



# GT

# MACHINE TOOLS

CNC & CONVENTIONAL  
MACHINE TOOLS

# Company Profile



**GLOBAL ELECTROMECH (M) SDN BHD**

**GLOBAL ELECTROMECH (M) SDN BHD**

**ESTABLISHED IN  
2001**

**LOCATED IN  
MELAKA, MALAYSIA**

**INTEGRATED WITH  
R&D AND MARKETING**

**IDEAL FOR EDUCATION**

**SOLUTION FOR INDUSTRIES**

# Contents

## LATHE MACHINES

Lathe Machine	1 - 13	Shaper Machine	44
Lathe/Mill/Drill Machine	14 - 16	Slotting Machine	45 - 46
Mill/Drill Machine	17 - 21	Fiber Laser Cutting Machine	47 - 49
Vertical Drilling Machine	22 - 23	Press Brake	50 - 51
Milling Machine	24 - 31	Shearing Machine	52 - 53
Hydraulic Radial Drilling Machine	32	Rolling Machine	54 - 56
Surface Grinding Machine	33 - 35	Press Machine	57 - 60
Cylindrical Grinding Machine	36 - 39	Belt Grinder	61
Saw Machine	40 - 43	Round Bending Machine	62
		Wire Cut Machine	63

## CNC MACHINES

CNC Gantry-Type Machining Center	64 - 65
CNC Drilling Tapping Center	66
Horizontal Machining Center	67
Vertical Machining Center	68
CNC Milling Machine	69 - 71
CNC Lathe	72
CNC Swiss Lathe	73
Slant-bed CNC Lathe	74 - 78
CNC Turn-Mill Machining Center	79
Electrical Lathe Machine	80
Flat-bed CNC Lathe	81 - 82
CNC Pipe Threading Lathe	83 - 85
Pipe Threading Lathe	86
CNC Vertical Lathe	87 - 90
Milling Boring Machine	91 - 92

## EDM

Multi-cut WEDM	93 - 98
EDM	99 - 104

## TOOL CUTTER GRINDER

Drill Bit Series	105 - 115
Milling Cutter Series	116 - 121
Tap Series	122 - 123
Saw Blade Series	124 - 125
Chamfering Machine Series	126 - 129
Tapping Machine Series	130 - 131
Multifunctional Series	132 - 133
Turning Inserts Series	134 - 135
Production Equipment Series	136 - 147

# HEAVY-DUTY BIG LATHE



Specification	6j63	6j80	6j100Q	6j125Q
Max. swing over bed	630mm	800mm	1000mm	1250mm
Max. swing over toolpost	350mm	480mm	780mm	930mm
Max. workpiece length	1500mm/2000mm/3000mm/4000mm/5000mm/6000mm,etc			
Bed width	550mm	600mm	600mm	600mm
Swing in gap/width	800mm/300mm	1000mm/300mm	1250mm/310mm	1450mm/310mm
Spindle bore	104mm(Optional. 130mm)			
Spindle front taper	Metric 120			
Spindle speed and range	18 kinds, 5.4-720r/min			
Cross feed step and range	64 kinds, 0.06-24.3 mm/r			
Range 1:1	0.1-1.52			
Range 16:1	1.6-24.3			
Change gears micro feed range	0.05-0.912 mm/r			
Ratio of longitudinal feed to cross	1/2			
Gap rapid speed	4000 mm/min			
Leadscrew pitch	12(metric) 1/2 (inch)			
Metric thread	50 kinds 1-240 mm(other type thread 14kinds)			
Inch thread	26 kinds 14-1 TPI			
Module thread	53 kinds 0.5-120 mm			
Pitch thread	24 kinds 28-1 D.P			
Lower toolpost travel	420mm	500mm	500mm	500mm
Upper toolpost travel	200mm	200mm	200mm	200mm
Tailstock travel	250mm	250mm	250mm	250mm
Tailstock taper	MT6	MT6	MT6	MT6
Main motor	11kw	11kw	11kw	11kw
Rapid motor	1.1kw	1.1kw	1.1kw	1.1kw
Coolant pump motor	90w	90w	90w	90w
Loading weight	1.5T	2.5T	2.5T	2.5T



- 4 jaw chuck
- Chuck wrenches
- Working light
- Lubricating system
- Foundation bolts
- Leveling iron pads
- Steady rest
- Follow rest
- Splash guard
- English instruction manual

\*steady rest and follow rest and splash guard are optional for 1.5m and 2m lathe

Specification	6j125B	6j160B	61160	61180	61200	61220	61250
Max. swing over bed	1250mm	1600mm	1600mm	1800mm	2000mm	2200mm	2500mm
Max. swing over toolpost	860mm	1200mm	1200mm	1380mm	1580mm	1780mm	2080mm
Bed width	755mm	755mm	1100mm	1100mm	1100mm	1100mm	1100mm
Max. workpiece length	1500mm/2000mm/3000mm/4000mm/5000mm /6000mm,etc						
Toolpost feed kinds each spindle rotate	56 kinds	56 kinds	56 kinds	56 kinds	56 kinds	56 kinds	56 kinds
Toolpost cross feed range each spindle rotate	0.1-12mm/r	0.1-12mm/r	0.1-12mm/r	0.1-12mm/r	0.1-12mm/r	0.1-12mm/r	0.1-12mm/r
Toolpost longitudinal feed range each spindle rotate	0.05-6mm/r	0.05-6mm/r	0.05-6mm/r	0.05-6mm/r	0.05-6mm/r	0.05-6mm/r	0.05-6mm/r
Upper toolpost	0.025-3mm/r	0.025-3mm/r	0.025-3mm/r	0.025-3mm/r	0.025-3mm/r	0.025-3mm/r	0.025-3mm/r
Metric thread	44 kinds 1-120mm						
Inch thread	31 kinds 28-1/4 teeth/inch						
Module thread	45kinds 0.5-60mm						
Pitch thread	38 kinds 1/2-56D.P						
Spindle bore	130mm	130mm	130mm	130mm	130mm	130mm	130mm
Spindle front taper	Metric 140	Metric 140	Metric 140	Metric 140	Metric 140	Metric 140	Metric 140
Spindle speed steps and range forward	21 kinds 3.15-315r/min						21 kinds 2-200r/min
Reverse	12 kinds 3.5-278r/min						12 kinds 2.25-178r/min
Max.section of tool	45×45mm	45×45mm	45×45mm	45×45mm	45×45mm	45×45mm	45×45mm
Toolpost longitudinal travel	630mm	630mm	630mm	630mm	630mm	630mm	630mm
Upper toolpost travel	300mm	300mm	300mm	300mm	300mm	300mm	300mm
Toolpost rapid movement Longitudinal/Cross/Upper	3470/1870/935mm/min						
Tailstock sleeve dia and travel	160×300mm	160×300mm	160×300mm	160×300mm	210×300mm	210×300mm	210×300mm
Tailstock taper	MT6	MT6	MT6	MT6	MT6	MT6	MT6
Tailstock longitudinal movement	±25mm	±25mm	±25mm	±25mm	±25mm	±25mm	±25mm
Main motor	22kw	22kw	22kw	22kw	22kw	22kw	22kw
Main transion V belt specification	2134C/2235C/2540C				2540C/2880C	2540C/2880C	2540C/2880C
Carriage rapid motor	1.5kw	1.5kw	1.5kw	1.5kw	1.5kw	1.5kw	1.5kw
Coolant pump	90w	90w	90w	90w	90w	90w	90w
Coolant pump flow	45L/min	45L/min	45L/min	45L/min	45L/min	45L/min	45L/min
Max. loading weight	6T	6T	10T/25T(optional)	10T/25T(optional)	10T/25T(optional)	10T/25T(optional)	10T/25T(optional)

- 3 jaw chuck
- Live center
- Taper turning attachment
- Drill chuck
- Chuck guard
- Leadscrew guard
- Toolpost guard
- Digital readout
- Lathe tools
- Face plate
- Grinding attachment

# ENGINE LATHE



## Standard accessories

- 3 jaw chuck
- 4 jaw chuck
- Face plate
- Coolant system
- Working light
- Foot brake
- Rapid travel
- Steady rest
- Follow rest
- Change gears set
- Tool box with tools

ENGINE LATHE

ENGINE LATHE

Specification	6240	6250B	6266B	6280B	6250C	6266C	6280C
Max. swing over bed	φ400mm	φ500mm	φ660mm	φ800mm	φ500mm	φ660mm	φ800mm
Max. swing gap	φ630mm	φ710mm	φ870mm	φ1000mm	φ710mm	φ870mm	φ1000mm
Max. swing over slide	φ220mm	φ300mm	φ420mm	φ560mm	φ300mm	φ420mm	φ560mm
Bed width	390mm	390mm	390mm	390mm	390mm	390mm	510mm
Max workpiece length	1000/1500/2000/3000mm		1000/1500mm, 2000/3000mm		2000/3000mm	1000/1500mm, 2000/3000mm	
Spindle bore	φ52mm	φ82mm	φ82mm	φ82mm	φ105mm	φ105mm	φ105mm
Spindle taper	CS6240:ISO 702/III No.6 bayonet lock; others:ISO 702/II No.8 com-lock type						
Spindle speed	24 steps 9-1600rpm			24 steps 8-1400rpm	12 steps 36-1600rpm		12 steps 30-1400rpm
Spindle motor	7.5kw	7.5kw	7.5kw	7.5kw	7.5kw	7.5kw	7.5kw
Max. travel of top slide	145mm	145mm	145mm	145mm	145mm	145mm	145mm
Max. travel of cross slide	320mm	320mm	320mm	320mm	320mm	310mm	320mm
Max. section of tool	25×25mm	25×25mm	25×25mm	25×25mm	25×25mm	25×25mm	25×25mm
X feed range	93 kinds 0.028-6.43mm/r					65 kinds 0.063-2.52mm/r	
Z feed range	93 kinds 0.012-2.73mm/r					65 kinds 0.027-1.07mm/r	
Metric thread	48 kinds 0.5-224mm					22 kinds 1-14mm	
Inch thread	46 kinds 72-1/8t.p.i					25 kinds 28-2t.p.i	
Module thread	42 kinds 0.5-112πmm					18 kinds 0.5-7πmm	
Pitch thread	42 kinds 56-1/4t.p.i.π					24 kinds 56-4t.p.i.π	
Diameter of quill	φ75mm	φ75mm	φ75mm	φ75mm	φ90mm	φ90mm	φ90mm
Max. travel of quill	150mm	150mm	150mm	150mm	150mm	150mm	150mm
Taper of quill	MT5	MT5	MT5	MT5	MT5	MT5	MT5
Cooling power	60w	60w	60w	60w	60w	60w	60w
Length	2632/3132/3632/4632mm		2632/3132mm, 3632/4632mm		3365/4365mm	2632/3132mm, 3632/4632mm	
Width	975mm	975mm	1050mm	1340mm	975mm	975mm	1340mm
Height	1230mm	1230mm	1350mm	1430mm	1270mm	1450mm	1490mm
N.w/G.w	2050/2250/2450/2850kg	2050/2100kg	2400/2600kg, 2800/3000kg	3300/3700kg	2100/2300kg, 2500/2900kg	2200/2400kg, 2600/3000kg	3000/3200kg

# ENGINE LATHE

- Digital Readout(2 axis/3 axis)
- Quick change tool post
- Taper turning attachment
- Lathe tools
- Chasing dial indicator
- Live center
- Leadscrew guard
- Chuck guard
- CE standard



ENGINE LATHE

ENGINE LATHE

Specification	6241(D)	6246(D)	6251	6253	6266	6280
Max. swing over bed	φ410mm	φ460mm	φ510mm	φ530mm	φ660mm	φ800mm
Max. swing over cross slide	φ224mm	φ274mm	φ310mm	φ329mm	φ440mm	φ580mm
Max. swing in gap	φ640mm	φ690mm	φ740mm	φ750mm	φ896mm	φ1036mm
Distance between centers	1000/1500mm		1000/1500/2000/3000mm	1500/2000mm	1500/2000/3000/4000mm	1500/2000/3000/4000mm
Effective length of gap	155mm		250mm	310mm	200	200
Width of bed	300mm		350mm	400mm	400mm	400mm
Spindle nose	D1-6		D1-8	D1-8 or A1-8	D1-8	D1-8
Spindle bore	φ58mm(D:φ82mm)		φ80mm	φ82mm	φ105mm	φ105mm
Spindle taper	MT6		MT7	Metric90/MT5	φ113mm(1:20)	φ113mm(1:20)
Range of spindle speed	12 changes,25-2000r/min		12 changes,25-1600r/min	12 changes,20-1600 r/min	16 Steps 25-1600rpm	16 Steps 25-1600rpm
Max. travel of top slide	120mm		135mm	200mm	130mm	130mm
Max. travel of cross slide	290mm		320mm	320mm	400mm	400mm
Max. section of tool	25×25mm		25×25mm	25×25mm	25mm × 25mm	25mm × 25mm
Leadscrew pitch	6mm or 4T.P.I.		6mm	6mm or 4T.P.I.	φ40mm×2T.P.I. or φ40mm×12mm	φ40mm×2T.P.I. or φ40mm×12mm
Longitudinal feeds range	42 kinds, 0.031-1.7mm/rev		0.059-1.646mm/rev	0.03mm-0.85mm/rev	0.063-2.525mm/rev(69kinds)	0.063-2.525mm/rev(69kinds)
Cross feeds range	42 kinds, 0.014-0.784mm/rev		0.020-0.573mm/rev	0.01mm-0.286mm/rev	0.022-0.878mm/rev(66kinds)	0.022-0.878mm/rev(66kinds)
Metric threads range	41 kinds, 0.1-14mm		0.2-14mm	0.25-7mm	1-144mm (50 kinds)	1-144mm (50 kinds)
Inch threads range	60 kinds, 2-112T.P.I.		2-112T.P.I.	4-112T.P.I.	1/4-36T.P.I. (56 kinds)	1/4-36T.P.I. (56 kinds)
Diametrical pitches range	50 kinds 4-112D.P.		4-112D.P.	4-112(50 NOS)D.P.	1/2-72DP (56 kinds)	1/2-72DP (56 kinds)
Module pitches range	34 kinds, 0.1-7M.P.		39 kinds, 0.1-7M.P.	0.25-14(34 NOS)M.P.	0.5-72MP (50 kinds)	0.5-72MP (50 kinds)
Tailstock quill diameter	60mm		75mm	80mm	φ90mm	φ90mm
Tailstock quill travel	120mm		180mm	180mm	235mm	235mm
Tailstock quill taper	MT4		MT5	MT5	MT5	MT5
Main motor power	5.5kw(7.5HP) 3PH		7.5kw(10HP) 3PH	7.5kw/10HP	7.5kw	11kw
Coolant pump motor	90w		90w	90w	120w	120w
Overall size	2200/2750×1080×1370mm		2390/2840/3340/4340×1150×1430mm	2876/3376×1100×1500mm	3210/3710/4710×1230×1600mm	3210/3710/4710×1230×1670mm
Packing size	2250/2800×1120×1620mm		2450/2900/3400/4400×1200×1740mm	3035/3535×1110×1900mm	3350/3850/4850/5850×1150×2020mm	3350/3850/4850/5850×1150×2020mm
N.w	1670/1920/2070kg		1985/2335/2685/3400kg	2750/3010kg	3000/3300/3800/4500kg	3200/3500/4000/3700kg
G.w	1980/2265/2450kg		2285/2635/2985/3700kg	3090/3400kg	3500/3800/4300/5000kg	3700/4000/4500/5200kg

# ENGINE LATHE



**GT6250B**

## STANDARD ACCESSORIES

- ◆ 3 jaw chuck 250mm
- ◆ 4 jaw chuck 315mm
- ◆ Steady rest
- ◆ Follow rest
- ◆ Face plate
- ◆ Longitudinal touch stop
- ◆ Work lamp
- ◆ Coolant system
- ◆ Chasing dial indicator
- ◆ Full-length splash guard
- ◆ Foot brake
- ◆ Change gears
- ◆ Oil gun
- ◆ One whole set spanner



Indexable turning tool



Live centers



Lathe grinding attachment



Taper turning attachment



Fast feeding

Specification	GT6240B/C	GT6250B/C	GT6260B/C
Max. swing over bed	φ400mm	φ500mm	φ600mm
Max. swing over cross slide	φ225mm	φ325mm	φ360mm
Max. swing over gap	φ530mm	φ630mm	φ730mm
Effective length of gap	260mm		
Distance between centers	1000/1500/2000/3000mm		
Bed width	330mm		
Spindle bore	B:φ65mm C:φ80mm(optional:103mm)		
Spindle nose	B:ISO-D6, C:ISO-D8		
Spindle speed(Number)	B:20-1800rpm(15steps) C:24-1600rpm(15steps)		
Longitudinal feeds range	66kinds 0.072-4.038mm/rev(0.0027-0.15inch/rev)		
Cross feeds range	66kinds 0.036-2.019mm/rev(0.0013-0.075inch/rev)		
Metric threads range	66kinds 0.5-28		
Inch threads range	66kinds 1-56inch		
Module threads range	33kinds 0.5-3.5mtr		
Diametric threads range	33kinds 8-56D.P		
Max. travel of top slide	130mm		
Max. travel of cross slide	300mm		
Max. section of tool	25×25mm		
Dia. of tailstock sleeve	φ65mm		
Taper of tailstock sleeve	MT5		
Max. travel of tailstock	120mm		
Main motor power	5.5kw(CD6240/6250), 7.5kw(CD6260)		
Rapid traverse motor	120w		
Coolant pump motor	125w		
Packing size	2420/2920/3460/4720×1150mm×1800mm		
N.w/G.w	1000mm: 1560/2210kg 1600/2250kg 1640/2290kg		
	1500mm: 1770/2410kg 1830/2470kg 1870/2530kg		
	2000mm: 2010/2780kg 2010/2820kg 2130/2860kg		
	3000mm: 2400/3200kg 2460/3260kg 2580/3400kg		

# ENGINE LATHE



GT6250C



GT6240F

## OPTIONAL ACCESSORIES

- ◆ Digital readout (2axis / 3 axis))
- ◆ Quick change tool post
- ◆ Taper turning attachment
- ◆ Lathe tools
- ◆ Live center
- ◆ Leadscrew guard
- ◆ Chuck guard
- ◆ Magnetic brake
- ◆ Fast feeding(1000/1500mm)
- ◆ CE standard

Specification	6240C/ 6240F	6250C/ 6250F
Max. swing over bed	400mm	500mm
Max. swing over cross slide	230mm	330mm
Max. swing over gap	560mm	660mm
Effective length of gap	CC:160mm CF:160/130/130mm	
Distance between centers	1000/1500/2000mm	
Bed width	360mm	360mm
Spindle bore	52mm(optional:82mm)	
Spindle nose	ISO-C6	ISO-C6
Spindle taper	MT6	MT6
Spindle speed(Number)	CC:(9 steps)40-1400rpm	CF:(12 steps)16-1600rpm
Metric threads range	CC:19 kinds 0.25-14mm CF:17 kinds 0.25-7mm	
Inch threads range	CC:27 kinds 2-40inch CF:30 kinds 5-144inch	
Module threads range	CC:11 kinds 0.5-3.5mm CF:12 kinds 0.25-3.5mm	
Max. travel of top slide	95mm	95mm
Max. travel of cross slide	180mm	250mm
Max. section of tool	20×20mm	20×20mm
Dia. of tailstock sleeve	65mm	65mm
Taper of tailstock sleeve	MT4	MT5
Max. travel of tailstock	140mm	140mm
Main motor power	4kw or 5.5kw	4kw or 5.5kw
Coolant pump motor	125w	125w
Packing size	2420/2920/3420×1150×1800mm	
N.w/G.w	1000mm: 1450/1800kg 1500/1850kg 1600/1950kg	
	1500mm: 1600/1950kg 1650/2000kg 1750/2100kg	
	2000mm: 1700/2100kg 1800/2200kg 1900/2300kg	

# ENGINE LATHE



GT6241x1500



GT6241Variox1000

## FEATURES

- ◆ The bed rails are quenched and precision ground
- ◆ The spindle is supported with precision roller bearings
- ◆ Head stock gears are made of high quality steel ground and hardened
- ◆ Monoblock cast iron base ensures high rigidity of the whole machine
- ◆ The variable model can realize the spindle speed of 3000 rpm

### Specification

### GT6241/ GT6241V×1000/1500mm

Specification	GT6241/ GT6241V×1000/1500mm
Max. swing over bed	410mm
Max. swing over cross slide	255mm
Max. swing in gap	580mm
Effective length of gap	190mm
Width of bed	250mm
Distance between centers	1000mm/1500mm
Center height	205mm
Spindle nose	D1-6
Spindle bore	52mm
Spindle taper	MT6
Range of spindle speed	16 steps 45-1800r/min / V:50-3000r/min
Travel of compound rest	140mm
Max. travel of cross slide	210mm
Leadscrew pitch	4T.P.I.
Max. section of tool	20×20mm
Longitudinal feeds range	0.05-1.7mm/rev
Cross feeds range	0.029-1.019mm/rev
Metric threads range	42 kinds, 0.2-14mm
Inch threads range	45 kinds, 2-72T.P.I.
Diametrical pitches range	21 kinds 8-44D.P.
Module pitches range	18 kinds, 0.3-3.5M.P.
Tailstock quill diameter	50mm
Tailstock quill travel	120mm
Tailstock quill taper	MT4
Main motor power	2.2/3.3kw(optional 3.0/4.5kw)
Coolant pump motor	120w
Overall dimension	1940/2440×850×1300mm
Packing size	2060/2560×900×1640mm
N.w/G.w	1500/1750kg, 1550/1800kg

# ENGINE LATHE



**GT6240F**

ENGINE LATHE

ENGINE LATHE

## STANDARD ACCESSORIES

- ◆ Machine stand
- ◆ Coolant system
- ◆ 3 jaw self centering chuck 160mm
- ◆ Foot brake
- ◆ 4 jaw independent chuck 200mm
- ◆ Face plate
- ◆ Follow rest
- ◆ Steady rest
- ◆ Dead center
- ◆ Chasing dial indicator
- ◆ Splash guard
- ◆ Tool box with tools
- ◆ Working light

## OPTIONAL ACCESSORIES

- ◆ Digital Readout (2 axis/3 axis)
- ◆ Quick change tool post
- ◆ Taper turning attachment
- ◆ Lathe tools
- ◆ Live center
- ◆ Drill chuck
- ◆ Leadscrew guard
- ◆ Chuck guard
- ◆ Toolpost guard
- ◆ CE standard

## Specification

### GT6240F×1000

Max. swing over bed	400mm
Max. swing over cross slide	264mm
Max. swing over gap	550mm
Distance between centers	1000mm
Width of bed	206mm
Spindle bore and nose	51mm/D1-5
Spindle taper	MT6
Speed step	16 steps
Cross slide travel	150mm
Compound rest travel	90mm
Spindle speed range	45-1800rpm
Max. section of tool	16×16mm
Threads inch pitches	4-56T.P.I./28 kinds(Metric lathe)
	4-112T.P.I./40 kinds(Inch lathe)
Threads metric pitches	0.4-7mm/42 kinds(Metric lathe)
	0.45-7.5mm/22 kinds(Inch lathe)
Longitudinal feeds	0.043-0.653mm/rev(Metric lathe)
	0012-0.0294in/rev(Inch lathe)
Tailstock quill taper and travel	MT4/100mm
Tailstock quill diameter	45mm
Main motor power	1.5/2.4kw
Coolant pump power	40w
Packing size	1950×750×1500mm
N.w/G.w	700/800kg

# BENCH LATHE



**GT0636B**



Digital readout



Lathe tools



Quick change toolpost

## STANDARD ACCESSORIES

- ◆ Machine stand
- ◆ Coolant system
- ◆ 3 jaw self centering chuck 160mm
- ◆ Foot brake
- ◆ 4 jaw independent chuck 200mm
- ◆ Face plate
- ◆ Follow rest
- ◆ Steady rest
- ◆ Dead center
- ◆ Chasing dial indicator
- ◆ Splash guard
- ◆ Tool box with tools
- ◆ Working light

## OPTIONAL ACCESSORIES

- ◆ Digital Readout (2 axis/3 axis)
- ◆ Quick change tool post
- ◆ Taper turning attachment
- ◆ Lathe tools
- ◆ Live center
- ◆ Drill chuck
- ◆ Leadscrew guard
- ◆ Chuck guard
- ◆ Toolpost guard
- ◆ CE standard

Specification	0636A/C0636B	0636V
Max. swing over bed	360mm	360mm
Max. swing over cross slide	212mm	215mm
Max. swing over gap	491mm	500mm
Distance between centers	1000mm	1000mm
Width of bed	187mm	187mm
Spindle bore and nose	A:38mm D1-4/B:51mm D1-5	51mm
Spindle taper	A:MT5/B:MT6	MT5
Speed step	8 steps	2 steps
Cross slide travel	170mm	190mm
Compound rest travel	90mm	95mm
Spindle speed range	A:70-2000rpm/B:90-2000rpm	L:70-440rpm/H:350-2000rpm
Max. section of tool	16×16mm	16mmx16mm(5/8"x5/8")
Threads inch pitches	4-56T.P.I.(34 kinds)	4-56TPI/34 kinds
Threads metric pitches	0.4-7mm(26 kinds)	0.4-7mm/26 kinds
Longitudinal feeds	0.052-1.392mm/rev(32 kinds)	24Nos.0.046-3.249mm/rev
Cross feeds range	0.009-0.253mm/rev(Metric lathe) 0.015-0.402mm/rev(Inch lathe)	24Nos.0.01-0.703mm/rev
Tailstock quill taper and travel	MT4/100mm	MT4
Tailstock quill diameter	32mm	42mm
Main motor power	1.5kw	1.5kw
Coolant pump power	40w	40w
Packing size	1935×750×1500mm	1930x760x1690mm
N.w/G.w	600/700kg	660/765kg

# BENCH LATHE



**GT320A**



**GT6232**

Specification	6230	6232	320A
Max. swing over bed	310mm	330mm	330mm
Max. swing over cross slide	180mm	180mm	220mm
Max. swing over gap	450mm	470mm	N/A
Width of bed	181mm		160mm
Distance between centers	750/910/1000mm		600mm/750mm
Spindle bore	38mm		38mm
Spindle taper	MT5		MT5
Spindle speed range	65-1810rpm		60-1650rpm
Longitudinal feed range	0.0527-1.2912mm/rev	0.003"-0.0508"/rev	0.135-1.80mm/rev
Cross feed range	0.011-0.276mm/rev	0.007"-0.0108"/rev	N/A
Metric thread range	0.4-7mm		0.5-4mm
Inch thread range	4-60T.P.I.		9-40T.P.I.
Travel of tailstock quill	100mm		70mm
Taper of tailstock quill	MT3		MT3
Motor power	1.5kw		1.1kw
G.w	550/590/670kg		280/300kg
N.w	500/540/640kg		320/340kg
Packing size	1480/1680/1970×750×1400mm		1330/1550×760×720mm

## STANDARD ACCESSORIES

- ◆ 3 jaw chuck 160mm
- ◆ 4 jaw chuck 200mm (only for CQ Model)
- ◆ Machine stand (only for CQ Model)
- ◆ Steady rest (only for CQ Model)
- ◆ Follow rest (only for CQ Model)
- ◆ Dead centers
- ◆ Splash guard
- ◆ Change gear set
- ◆ Oil gun
- ◆ Oil tray

## OPTIONAL ACCESSORIES

- ◆ Working light
- ◆ Foot brake
- ◆ Coolant system
- ◆ Digital readout
- ◆ Quick change tool post
- ◆ Lathe tools
- ◆ Face Plate
- ◆ Live center
- ◆ Leadscrew
- ◆ Chuck guard
- ◆ CE standard

BENCH LATHE

BENCH LATHE

# BENCH LATHE-VARIO



**GT210VARIO**



**GT250VARIO**

Specification	280V	290V	300V
Max. swing over bed	280mm	290mm	300mm
Max. length of workpiece	700mm	800/900mm	800/900mm
Max. swing over cross slide	170mm	180mm	190mm
Width of bed	180mm	182mm	182mm
Spindle bore	26mm	38mm	38mm
Spindle taper	MT4	MT5	MT5
Spindle variable speed	50-2500rpm	80-2000rpm	80-2000rpm
Metric threads range	0.2-4mm	0.2-3.5mm	0.2-3.5mm
Inch threads range	8-56T.P.I.	8-56T.P.I.	8-48T.P.I.
Top slide travel	70mm	70mm	70mm
Cross slide travel	140mm	160mm	170mm
Tailstock quill travel	70mm	70mm	70mm
Tailstock quill taper	MT2	MT3	MT3
Motor power	850w	1100w	1100w
Packing size(L×W×H)	1450×700×680mm	1450/1550×700×680mm	1450/1550×700×680mm
N.w	200kg	250/260kg	260/270kg
G.w	230kg	270/280kg	280/290kg

## STANDARD ACCESSORIES

- ◆ Speed display
- ◆ 3-jaw chuck 125/160/160mm
- ◆ Splash guard
- ◆ Chip tray
- ◆ Dead centers
- ◆ Change gears
- ◆ Tool box with tools

## OPTIONAL ACCESSORIES

- ◆ 4-jaw chuck 160mm
- ◆ Face plate
- ◆ Steady rest
- ◆ Follow rest
- ◆ Machine Stand
- ◆ Lathe tools
- ◆ Live center
- ◆ Digital readout
- ◆ Toolpost guard
- ◆ Chuck guard
- ◆ Leadscrew guard
- ◆ Working light
- ◆ Chasing dial indicator



**GT280**



**GT0632V**

**GT280 FEATURES**

- ◆ Full ground gear transmission in the headstock, speed-changing by single-handle cyclic shift with main motor. The main spindle achieves variable, adjustment within High-Medium-Low speed range. The required speed within the speed range can be got by rotating the adjustment knob. The spindle speed shall be displayed in realtime on the main screen.
- ◆ The lathe feeding is achieved by independent high-accuracy servo motor driven which is smooth and steady and can be variable adjusted within the speed range (the choosing of suitable tooling depth is required).
- ◆ Longitudinal & cross auto feeding adopts inter-lock structure with good safety.
- ◆ Two V-type guideway with high accuracy and rigidity. The tailstock is camlocked for good safety.

Specification	250	280/ 280	0632V
Max. swing over bed	250mm	280mm	320mm
Max. length of work piece	500mm, 700mm	500mm, 750mm	500mm, 750mm
Max. swing over cross slide	150mm	165mm	195mm
Max. cross slide travel	140mm	185mm	200mm
Max. longitudinal travel over tool post	70mm	75mm	75mm
Spindle bore	26mm	38mm	38mm
Spindle taper	MT4	MT5	MT5
Spindle speed range	12 steps: 80-1600r/min	8 steps: 90-1800r/min / 3 steps: variety	3-step internal speed change, 30-2000rpm
Metric thread kinds	18	18/-	18
Metric pitches range	0.25-5.0mm	0.2-3.5 mm / more variety	0.2-3.5mm
Inch thread kinds range	36	34/-	34
Inch pitches range	4-96T.P.I	4 1/2-48T.P.I/ more variety	4 1/2-48T.P.I
Module threads kinds	24	24/-	24
Module threads range	9-96D.P	16-120D.P/ more variety	16-120D.P
Longitudinal feed range	0.035-0.375mm/r	0.05-0.35mm/r/ 0.01-2mm/r	0.05-0.35mm/r
Cross feed range	0.0175-0.188mm/r	0.025-0.18mm/r/ 0.005-1mm/r	0.025-0.18mm/r
Tailstock quill travel	75mm	75 mm	75mm
Tailstock quill taper	MT3	MT3	MT3
Motor power	750w	750w/1.1kw	750w
N.w/G.w(without stands)	160/180kg, 185/208kg	260/300kg, 270/320kg	280/320kg, 290/335kg
Overall dimensions(LxWxH)	1070x570x500mm, 1270x570x500mm	1170x650x650mm, 1420x650x650mm	1170x680x650mm, 1420x680x650mm
Packing size(without stands):(LxWxH)	1200x610x670mm, 1400x610x670mm	1310x770x750mm, 1530x770x750mm	1310x780x770mm, 1530x780x770mm

**STANDARD ACCESSORIES**

- ◆ 3-jaw chuck
- ◆ V-Belt
- ◆ Dead centers
- ◆ Splash guard
- ◆ Change gear set
- ◆ Toolbox and tools

**OPTIONAL ACCESSORIES**

- ◆ 4-jaw chuck 160mm
- ◆ Face plate
- ◆ Steady rest
- ◆ Follow rest
- ◆ Machine stand
- ◆ Lathe tools
- ◆ Live center
- ◆ Digital readout
- ◆ Toolpost guard
- ◆ Chuck guard
- ◆ Leadscrew guard

# MINI LATHE



**GT210VARIO**



**GT250VARIO**

Specification	180V	210V	250V
Max. swing over bed	180mm	210 mm	250 mm
Max. swing over cross slide	110mm	110mm	150mm
Max. compound slide travel	55mm	55mm	70mm
Max. carriage slide travel	75mm	75mm	135mm
Max. carriage travel	195mm	276mm	450/650mm
Distance between centers	300mm	400mm	550/750mm
Width of bed	100mm	100mm	135mm
Spindle bore	21mm	21mm	26mm
Spindle taper	MT3	MT3	MT4
Spindle speed	Variable: 50-2500rpm	Variable: 50-2500rpm	Variable: 50-2500rpm
Range of metric threads	10 kinds: 0.5-3mm	10 kinds: 0.5-3mm	21 kinds: 0.2-4mm
Range of imperial threads	8 kinds: 8-44T.P.I	8 kinds: 8-44T.P.I	8 kinds: 8-56T.P.I
Max. travel of tailstock quill	60mm	60mm	60mm
Tailstock taper	MT2	MT2	MT2
Motor power	DC motor: 450w or 600w, Optional brushless motor: 550w		750w
Machine size(L×W×H)	740×390×370mm	840×390×370mm	1150(1350)×480×500mm
Packing size	810×480×470mm	910×480×470mm	1220(1400)×560×560mm
N.w/G.w	60/70kg	70/77kg	125/132kg, 135/142kg

## STANDARD ACCESSORIES

- ◆ Speed display
- ◆ 3-jaw chuck 100/100/125mm)
- ◆ Splash guard
- ◆ Chip tray
- ◆ Toolpost spanner
- ◆ Dead centers
- ◆ Change gears
- ◆ Tool box with tools

## OPTIONAL ACCESSORIES

- ◆ Machine stand
- ◆ 4-jaw chuck
- ◆ Live center
- ◆ Working light
- ◆ Lathe tools
- ◆ Chuck guard
- ◆ Toolpost guard

# LATHE MACHINE



**GT0714**



**GT0820**



**GT0816**



**GT1028**

LATHE MACHINE

LATHE MACHINE

Specification	GT0708/ GT0712/ GT0714	GT0816	GT0820	GT1018/ GT1028
Distance between centers	200/300/350mm	400/800mm	520mm	450/700mm
Swing over bed	180mm	210mm	200mm	250mm
Taper of spindle bore	MT3	MT5	MT3	MT4
Spindle bore	20mm	38mm	20mm	27mm
Step of spindle speed	Variable speed	Variable speed	6 steps	6 steps
Range of spindle speed	50-2500rpm	0-2500rpm	140-1710rpm	115-1620rpm
Range of inch threads	12-52T.P.I	8-44T.P.I	8-32T.P.I	8-56T.P.I
Range of metric threads	0.5-2.5mm	0.5-3mm	0.4-3mm	0.2-3.5mm
Travel of cross slide	65mm	75mm	70mm	140mm
Taper of tailstock quill	MT2	MT2	MT2	MT3
Main Motor	400/550w	600w/1.1kw	550w	750w
Packing size	660/760/810×310×370mm	920/1270×450×500mm	1200×500×550mm	1260/1510×570×580mm
N.w/G.w	35/38/40kg,38/42/45kg	70/80kg,85/95kg	105/110kg	151/171kg

# LATHE / MILL / DRILL MACHINE



## FEATURES

- ◆ Turning, milling, drilling and threading
- ◆ Metric or imperial thread cutting
- ◆ Suitable for processing metal, wood and other materials
- ◆ Excellent advantage of various functions, small occupation and economic

### STANDARD ACCESSORIES

- ◆ 3 jaw chuck 130mm
- ◆ Draw bar
- ◆ Change gear set
- ◆ Wedge
- ◆ Wench

### OPTIONAL ACCESSORIES

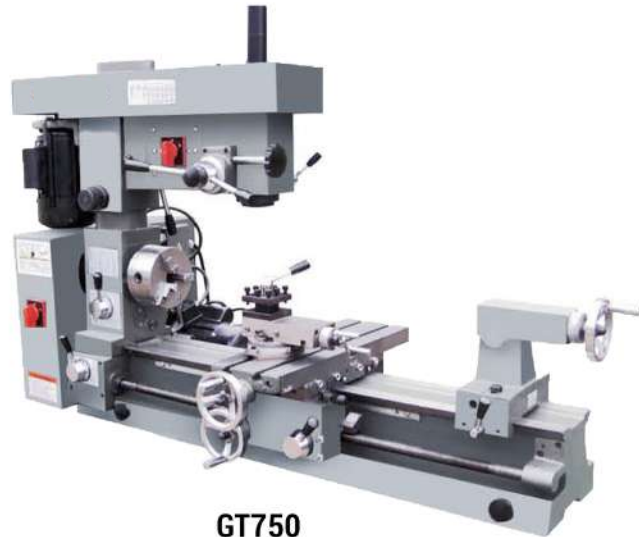
- ◆ Machine stand
- ◆ 4-jaw chuck with back plate 160mm
- ◆ Working light
- ◆ Steady rest
- ◆ Follow rest
- ◆ Cooling system
- ◆ Lathe tools
- ◆ Drill chuck
- ◆ Milling Cutter holder
- ◆ Leadscrew guard
- ◆ Chuck guard
- ◆ CE standard

Specification	GT500/800
Max. swing over bed	420mm
Max. distance between centers	500/800mm
Max. longitudinal travel	400mm/740mm
Max. cross travel	200mm
Spindle taper	MT4
Spindle bore	28mm
Step of spindle speed	7 steps
Range of spindle speed	160-1360rpm
Barrel travel	70mm
Barrel taper	MT3
Metric thread range	0.2-6mm
Inch thread range	4-120T.P.I
Longitudinal range of automatic feeding	0.05-0.35mm/0.002-0.014"
Cross range of automatic feeding	0.05-0.35mm/0.002-0.014"
Max. drilling capacity	22mm
Worktable size(L×W)	475×160mm
Max. end mill dia.	28mm
Max. face mill dia.	80mm
Distance between spindle center and column	285mm
Distance between spindle and worktable	306mm
Headstock travel of up and down	110mm
Spindle taper	MT3
Step of spindle speed	16 steps
Range of spindle speed	120-3000rpm
Head rotation in vertica	360°
Motor power	0.75kw
Packing size	1130/1430×580×1100mm
N.w/G.w	245/280kg 275/325kg

# LATHE / MILL / DRILL MACHINE



**GT300-2**



**GT750**

## FEATURES

- ◆ Adjustable height drill/mill head increases capacity
- ◆ Fine feed handle and clutch for precision milling
- ◆ Spindle is supported by high precision bearing
- ◆ Headstock is constantly oiled during operation
- ◆ T-slot cross slide
- ◆ Adjustable gibs for the slideway
- ◆ Power longitudinal & cross feed
- ◆ Gearbox gets left and right hand threads
- ◆ Tailstock can offset for turning taper

Specification	300-2 / 300-5	520/ 750
Max. swing over bed	300mm	300mm
Max. distance between centers	470mm	500/750mm
Max. cross travel of worktable	160mm	200mm
Spindle taper	MT4	MT4
Spindle bore	26mm	26mm
Range of spindle speed	160-1600r/min	160-1600r/min
Top slide travel	80mm	80mm
Metric thread range	0.5-3mm	0.5-3mm
Inch thread range	11-40 1/n"	11-40 1/n"
Quill travel	40mm	50mm
Quill taper	MT3	MT3
Motor power	0.55kw	0.55kw
Max. drilling capacity	15mm	20mm
Spindle speed	125-1600r/min	315-2000r/min
Spindle taper	MT3	MT3
Spindle stroke	80mm	80mm
Spindle nose to table	170-250mm	240-320mm
Working table size	200x150/425x150mm	425x150mm
Head rotation in vertical	360°	360°
Motor power	N/A	0.37kw
Packing size	1160x580x600mm	1100/1350x550x740mm
N.w/G.w	160/190kg	230/270kg

# LATHE / MILL / DRILL MACHINE - VARIO



LATHE / MILL / DRILL MACHINE - VARIO

LATHE / MILL / DRILL MACHINE - VARIO

## STANDARD ACCESSORIES

- ◆ 3 jaw chuck (125/160mm)
- ◆ Speed display
- ◆ Splash guard
- ◆ Chip tray
- ◆ Chuck guard
- ◆ Dead center
- ◆ Change gears set
- ◆ Draw bar
- ◆ Morse taper
- ◆ Tool box with tools

## OPTIONAL ACCESSORIES

- ◆ Working light
- ◆ Machine stand
- ◆ Steady rest
- ◆ Follow rest
- ◆ 4-jaw chuck with back plate 160mm
- ◆ Lathe tools
- ◆ Drill chuck
- ◆ Milling Cutter holder
- ◆ Leadscrew guard
- ◆ Chuck guard
- ◆ CE standard

Specification	250	280	290	300
Max. swing over bed	250mm	280mm	290mm	300mm
Max. swing over cross slide	150mm	170mm	180mm	190mm
Distance between centers	550/750mm	700mm	800/900mm	800/900mm
Spindle taper	MT4	MT4	MT5	MT5
Width of bed	135mm	180mm	182mm	182mm
Spindle bore	26mm	26mm	38mm	38mm
Range of cross feed	0.07-0.20mm/rev	0.07-0.40mm/rev	0.01-0.10mm/rev	0.01-0.10mm/rev
Range of longitudinal feed	0.085-0.832mm/rev	0.085-mm/rev	0.085-0.832mm/rev	0.085-0.832mm/rev
Range of inch threads	8-56T.P.I.	8-56T.P.I.	8-56T.P.I.	8-56T.P.I.
Range of metric threads	0.2-3.5mm	0.2-3.5mm	0.2-3.5mm	0.2-3.5mm
Top slide travel	70mm	65mm	70mm	70mm
Cross slide travel	115mm	180mm	160mm	160mm
Tailstock quill travel	60mm	70mm	70mm	70mm
Taper of tailstock quill	MT2	MT2	MT3	MT3
Motor power	0.75kw	1.1kw	1.5kw	1.5kw
<b>Drilling and milling head</b>	<b>ZAY7016V</b>	<b>ZAY7020V</b>	<b>ZAY7020V</b>	<b>ZAY7020V</b>
Spindle taper	MT2	MT2	MT2	MT3
Spindle travel	52mm	52mm	52mm	52mm
Range of spindle speeds(variable speed)	50-2250rpm	50-2250rpm	50-2250rpm	50-2250rpm
Max. distance from spindle nose to table	280mm	280mm	380mm	380mm
Max. distance from spindle to column	175mm	175mm	190mm	185mm
Motor power	600w	600w	750w	750w
Packing size(for machine)	1200/1400x580x860mm	1370x850x1050mm	1450x700x1040mm	1450x770x1050mm
Packing size(for stand)	760x530x415mm	800x580x415mm	800x580x415mm	780x410x600mm
N.w	195kg	248kg	325kg	390kg

# MILL / DRILL MACHINE - VARIO



Specification	7013V	7020V(L)	7025V(L)	7030V
Max. drilling capacity	13mm	20mm	25mm	30mm
Max. face mill capacity	16mm	65mm	65mm	76mm
Max. end mill capacity	30mm	20mm	25mm	25mm
Max. distance from spindle to table	300mm	355mm	355mm	370mm
Working table size	460X110mm	500(700)x180mm	500(700)x180mm	700(840)x210mm
Swivel angle of headstock	±45°	±45°	±45°	±45°
Spindle taper	MT3/R8	MT2	MT3	MT3
Spindle speed	L: 50-1100rpm H:120-2500rpm	50-2250rpm	50-2250rpm	50-2250rpm
Sleeve stroke	N/A	50mm	50mm	70mm
X-axis travel	300mm	290/490mm	290/490mm	430/540mm
Y-axis travel	130mm	180mm	180mm	220mm
Z-axis travel	220mm	280mm	280mm	340mm
Motor power	550w/brushless motor	750w	750w/900w	1100w
N.w/G.w	65/85kg	118/138kg, 130/160kg	110/140kg, 130/160kg	200/240kg, 230/270kg
Packing size (LxWxH)	570x550x850mm	610(810)x560x880mm	610(710)x560(720)x910mm	940(1050)x730x1100mm

## STANDARD ACCESSORIES

- ◆ Speed display
- ◆ Working light
- ◆ Morse taper arbor
- ◆ Draw bar
- ◆ Drill chuck
- ◆ Tool box & tools

## OPTIONAL ACCESSORIES

- ◆ Coolant pump
- ◆ Machine vice
- ◆ Milling chuck (8 pcs)
- ◆ Milling cutter holder
- ◆ Machine stand with chip tray
- ◆ Depth ruler display
- ◆ Power feed attachment
- ◆ CE electrical and protection

## MILL / DRILL MACHINE (BRUSHLESS MOTOR)



### FEATURES

- ◆ Milling, drilling, tapping, reaming, boring
- ◆ The headstock can be rotated by  $\pm 45^\circ$  when placed vertically
- ◆ Brushless motor durable power output uniform torque constant
- ◆ The column stands on the base with good rigidity
- ◆ The main shaft is supported with powerful high-load tapered roller bearings
- ◆ The spindle can be locked and the machine head can be raised and lowered
- ◆ Accurate positioning, strong rigidity and large cutting force

### STANDARD ACCESSORIES

- ◆ Draw bar
- ◆ Wedge
- ◆ Double ended wrench
- ◆ Drill chuck and arbor
- ◆ Tool box & tools

### OPTIONAL ACCESSORIES

- ◆ Digital readout(2 axis/3 axis)
- ◆ Machine stand with oil tray
- ◆ Working lamp
- ◆ Milling chuck(8 pcs)
- ◆ Milling cutter holder
- ◆ Power feed attachment
- ◆ Cooling system
- ◆ Machine vice
- ◆ CE electrical and protection

Specification	7025VB	7030VB
Max. drilling capacity	25mm	30mm
Max. tapping capacity	M10	M12
Max. face mill capacity	63mm	76mm
Max. end mill capacity	16mm	20mm
Distance from spindle to table	45-300mm	95-465mm
Distance from spindle to column	160mm	190mm
Spindle travel	50mm	70mm
Spindle taper	MT3/R8	MT3
Spindle speed	50-2500rpm	50-3000rpm
Table size	700x180mm	840x210mm
T-slots size	3x12mm	3x12mm
X-axis travel	520mm	540mm
Y-axis travel	175mm	220mm
Z-axis travel	255mm	370mm
Motor power	750w,DC Brushless	1.5kw,DC Brushless
N.w/G.w	125/145kg	220/260kg
Packing size	710x710x890mm	1040x750x1140mm

# MILL / DRILL MACHINE - VARIO



GT32G



GT32GV



Machine vice



Milling cutter holder



Milling chuck set



Power feed



Coolant system

## STANDARD ACCESSORIES

- ◆ Draw bar
- ◆ Wedge
- ◆ Double ended wrench
- ◆ Drill chuck and arbor
- ◆ Tool box & tools

## OPTIONAL ACCESSORIES

- ◆ Digital readout(2 axis/3 axis)
- ◆ Machine stand with oil tray
- ◆ Working lamp
- ◆ Boring bar
- ◆ Milling chuck(8 pcs)
- ◆ Milling cutter holder
- ◆ Power feed attachment
- ◆ Cooling system
- ◆ Machine vice
- ◆ CE electrical and protection

Specification	32G	32GV
Max. drilling capacity	32mm	32mm
Max. tapping capacity	16mm	16mm
Max. face milling capacity	63mm	63mm
Max. distance from spindle center to column	203mm	214mm
Max. distance from spindle center to table	336mm	400mm
Table size	700×180mm	700×190mm
Spindle taper	MT3/R8	MT3/R8
X-axis travel	410mm	350mm
Y-axis travel	205mm	230mm
Z-axis travel	310mm	380mm
Spindle travel	85mm	75mm
T-slot size	12mm	12mm
Spindle speed range (50hz)	95-1420rpm	40-3000rpm
Swivel angle of headstock	±45°	±45°
Column size	150×130×690mm	150×130×690mm
Base size	550×340mm	542×340mm
Motor power	750w	750w
N.w/G.w	170/205kg	185/215kg

# MILL / DRILL MACHINE - VARIO



## FEATURES

- ◆ Variable speed
- ◆ Milling, drilling, tapping, boring, and reaming
- ◆ Head swivels  $\pm 45^\circ$  vertically
- ◆ Micro feed precision
- ◆ Adjustable gibs on table precision
- ◆ Strong rigidity, powerful cutting and precise positioning

Specification	7032V	7045V	7032V/1	7045V/1
Max. drilling capacity	32mm/45mm		32mm/45mm	
Max. tapping capacity	20mm		20mm	
Max. face mill capacity	63mm/80mm		63mm/80mm	
Max. end mill capacity	20mm/32mm		20mm/32mm	
Max. distance from spindle nose to table	400mm		450mm	
Min. distance from spindle axis to column	260mm		260mm	
Spindle travel	130mm		130mm	
Spindle taper	MT3/MT4/R8		MT3/MT4/R8	
Range of spindle speed(2 steps)	100-530, 530-2800rpm		100-530, 530-2800rpm	
Auto-feeding steps of spindle	N/A		3 steps	
Auto-feeding value of spindle	N/A		0.06-0.30mm/r	
Swivel angle of headstock	$\pm 45^\circ$		$\pm 45^\circ$	
Table size	800×240mm		800×240mm	
Forward and backward travel of table	175mm		175mm	
Left and right travel of table	500mm		500mm	
Motor power(D.C)	1.5kw(2HP)		1.5kw(2HP)	
N.w/G.w	325/375kg		325/375kg	
Packing size(LxWxH)	770×880×1160mm		770×880×1160mm	
Loading amount/20" container	36pcs		36pcs	

# MILL / DRILL MACHINE



MILL / DRILL MACHINE

MILL / DRILL MACHINE

## STANDARD ACCESSORIES

- ◆ Draw bar
- ◆ Wedge
- ◆ Double ended wrench
- ◆ Drill chuck and arbor
- ◆ Tool box & tools

## OPTIONAL ACCESSORIES

- ◆ 3 axis DRO
- ◆ CE electrical part and protection
- ◆ Working lamp
- ◆ Milling chuck(8 pcs)
- ◆ Boring bar
- ◆ Milling cutter holder
- ◆ Power feed attachment
- ◆ Cooling system
- ◆ Machine stand with oil tray
- ◆ 2.2kw big motor
- ◆ SKF bearing
- ◆ Spindle speed display
- ◆ Machine vice

Specification	7032FG 7045FG	7032FG/1 7045FG/1
Max. drilling capacity	32mm/45mm	32mm/45mm
Max. tapping capacity	20mm	20mm
Max. face milling capacity	63mm/80mm	63mm/80mm
Max. end milling capacity	20mm/32mm	20mm/32mm
Max. distance from spindle nose to table	450mm	450mm
Min. distance from spindle axis to column	260mm	260mm
Spindle travel	130mm	130mm
Spindle taper	MT3/MT4/R8	MT3/MT4/R8
Step of spindle speed	6 steps	6 steps
Range of spindle speed 50HZ	80-1250 rpm	80-1250 rpm
Range of spindle speed 60HZ	95-1500 rpm	95-1500 rpm
Auto-feeding steps of spindle	N/A	3
Auto-feeding amount of spindle	N/A	0.06-0.30mm/rev
Swivel angle of headstock(vertical)	±45°	±45°
Table size	800×240mm	800×240mm
Forward and backward travel of table	175mm	175mm
Left and right travel of table	500mm	500mm
Motor power	1.5kw(2HP)	1.5kw(2HP)
N.w/G.w	320/370kg	320/370kg
Packing size(LxWxH)	770×880×1160mm	770×880×1160mm
Loading amount/20" container	36pcs	36pcs

# VERTICAL DRILLING MACHINE



## FEATURES

- ◆ Drilling, milling and tapping
- ◆ Headstock and worktable up and down
- ◆ Head swivels 360° horizontally
- ◆ Gear driven, lower noise
- ◆ Positive spindle lock

## STANDARD ACCESSORIES

- ◆ Drill chuck and arbor
- ◆ Arbor
- ◆ Allen wrenches
- ◆ Coolant pump
- ◆ Wedge
- ◆ Draw bar

## OPTIONAL ACCESSORIES

- ◆ Machine vice
- ◆ Working lamp
- ◆ 58 pcs clamping kits
- ◆ Milling cutter holder

Model	5045	5045/1	5045C	5040T
Max.drilling capacity	Φ45mm	Φ45mm	Φ45mm	Φ40mm
Width of T-slot	16mm	16mm	16mm	18mm
Spindle taper	MT3/MT4/R8	MT3/MT4/R8	MT3/MT4/R8	MT4
Spindle travel	Φ130mm	Φ130mm	Φ130mm	180mm
Step of spindle speed	3 steps	3 steps	3 steps	2 steps
Range of spindle speed 50Hz	80-1250rpm	80-1250rpm	80-1250rpm	50-1450rpm
Step of spindle auto-feeding	N/A	3 steps	N/A	2 steps
Range of spindle auto-feeding amount	N/A	0.06-0.30mm/rev	N/A	0.1-0.2mm/rev
Min.distance from spindle axis to column	290mm	290mm	290mm	350mm
Max.distance from spindle nose to worktable	725mm	725mm	700mm	770mm
Max.distance from spindle nose to stand table	1125mm	1125mm	1125mm	1210mm
Max.travel of headstock	Φ250mm	Φ250mm	Φ250mm	Φ250mm
Swivel angle of headstock (horizontal/vertical)	360°	360°	360°	N/A
Diameter of column	115mm	115mm	115mm	150mm
Worktable size of availability	380×300mm	380×300mm	700×180mm	560×560mm
Swivel angle of table horizontally	360°	360°	360°	N/A
Table leaned	±45°	±45°	±45°	±45°
Size of stand worktable of availability	417×416mm	417×416mm	417×416mm	730×500mm
Motor Power	1.5kw	1.5kw	1.5kw	0.85/1.5kw
Packing size(LxWxH)	820×770×1850mm	820×770×1850mm	820×770×1850mm	2270×690×1100mm
N.w/G.w	440/490kg	440/490kg	470/530kg	510/650kg

# VERTICAL DRILLING MACHINE

## FEATURES

- This vertical drilling machine tool. It is suitable for drilling, reaming, boring, tapping countersunk hole. Automatic reverse feed spindle tapping and micro feeding , for blind and deep hole is very convenient. Widely used in machinery manufacturing, workshop production and construction processing, etc.
- It has the advantages of high efficiency, good rigidity, high precision, low noise, wide speed range, high speed operation, novel appearance, convenient maintenance and so on



VERTICAL DRILLING MACHINE

VERTICAL DRILLING MACHINE

## STANDARD ACCESSORIES

- ◆ Drill chuck and arbor
- ◆ Reducing sleeve
- ◆ Wedge
- ◆ Working light
- ◆ Coolant system

## OPTIONAL ACCESSORIES

- ◆ Machine vice
- ◆ 58 pcs clamping kits

Model	5150B	5163B	5180B
Max. drilling diameter	50mm	65mm	80mm
Max tapping capacity	M30x3	M40x3	M50x3
T-slot size(NxWxD)	3-18/150 mm	3-18/135 mm	3-22/138 mm
Spindle taper	MT5	MT5	MT6
Stroke of spindle quill	250mm	250mm	250mm
Spindle box travel(manual)	200mm	250mm	250mm
Spindle speed step	12 steps	9 steps	9 steps
Spindle speed range	31.5-1400rpm	40-570rpm	40-570rpm
Spindle feed step	9 steps	6 steps	6 steps
Spindle feed range	0.056-1.80mm/rev	0.11-0.75mm/rev	0.11-0.75mm/rev
Worktable size	560x480mm	650x550mm	650x550mm
Vertical travel	300mm	300mm	300mm
Min. distance from spindle axis to column	335mm	375mm	375mm
Max. distance between spindle and table surface	750mm	800mm	800mm
Main motor power	3kw	5.5kw	5.5kw
Motor of cooling pumps	40w	40w	40w
Speed of cooling pumps	25L/min	12L/min	12L/min
Maximum spindle feed resistance	16000N	30000N	30000N
Maximum spindle torque	350N.m	800N.m	800N.m
Overall size	1090x910x2465mm	1050x1200x2800mm	1050x1200x2800mm
Net weight	1300kg	2500kg	2500kg

# VERTICAL / HORIZONTAL MILLING MACHINE

MILLING MACHINE

MILLING MACHINE



## FEATURES

- ◆ Rectangular guide way, better stability
- ◆ Easily changing from vertical milling to horizontal milling
- ◆ Worktable can be automatically feed in X axis, and equipped with quick-reverse unit to realize high efficiency in working
- ◆ Headstock swivels  $\pm 90^\circ$
- ◆ GT7550CW vertical milling is gear-driven; Horizontal milling is belt-driven
- ◆ GT7550ZW vertical milling spindle can be auto feeding based on GT7550CW

## STANDARD ACCESSORIES

- ◆ Reduction sleeve
- ◆ Machine vice 160mm
- ◆ Wrenches
- ◆ Milling chuck
- ◆ Drill chuck

## OPTIONAL ACCESSORIES

- ◆ 3 axis DRO
- ◆ Universal dividing head
- ◆ 58 pcs clamping kits
- ◆ Collected operating panel
- ◆ Y axis power feed
- ◆ Z axis automatic fit
- ◆ Spindle guard

Specification	GT7550CW	GT7550ZW
Max.drilling dia.	Φ50mm	Φ50mm
Max.horizontal milling dia.	Φ100mm	Φ100mm
Max.vertical milling dia.	Φ25mm	Φ25mm
Max.boring dia.	Φ120mm	Φ120mm
Spindle taper	ISO40/MT4	ISO40
Spindle speed	V:115-1750 8steps	V:60-1500 8steps
	H:60-1350 8steps	H:60-1350 8steps
Spindle travel	120mm	120mm
Table size	240×800(1000)mm	240×800(1000)mm
Table travel	400(600)×230×350mm	400(600)×230×350mm
Main motor power (V/H)	V:0.85kw/1.5kw H:1.5kw	V:1.5kw H:1.5kw
Packing size	1140x1220x2250(1 set/pkg)	1140x1220x2250(1 set/pkg)
	1140x1300x2250(2 sets/pkg)	1140x1300x2250(2 sets/pkg)
N.w/G.w	850kg/1000kg	900kg/1050kg



## FEATURES

- ◆ Headstock swivels  $\pm 45^\circ$
- ◆ GT6350C vertical milling spindle by manual
- ◆ GT6350Z vertical milling spindle by auto-feeding
- ◆ GT6350ZA vertical milling spindle auto-feeding, X/Y axis auto-feeding, Z axis automatic lift

## STANDARD ACCESSORIES

- ◆ Coolant system
- ◆ Working light
- ◆ Taiwan milling turret head
- ◆ Oil tray
- ◆ Machine vice 160mm
- ◆ Milling chuck
- ◆ Tool box with tools

## OPTIONAL ACCESSORIES

- ◆ 3 axis DRO
- ◆ Universal dividing head
- ◆ 58 pcs clamping kits
- ◆ Collected operating panel
- ◆ Rotary table
- ◆ Slotting head
- ◆ Spindle guard

Specification	GT6350C	GT6350Z	GT6350ZA
Max.drilling dia.	Copper:Φ50 Casting:Φ30mm	Copper:Φ50 Casting:Φ30mm	Copper:Φ50 Casting:Φ30mm
Spindle taper	ISO30/ISO40/R8/MT4	ISO30/ISO40/R8/MT4	ISO30/ISO40/R8/MT4
Max. vertical milling dia.	25mm	25mm	25mm
Max. boring dia.	120mm	120mm	120mm
Distance from spindle to table surface	60-460mm	60-460mm	60-420mm
Spindle speeds(V/H)	V:115-1750rpm H:40-1300rpm	V:90-2000rpm H:38-1310rpm	V90-2000,H40-1300rpm
Spindle travel	120mm	120mm	120mm
Table size (L×W)	1120×280mm	1200×280mm	1370×320mm
Table travel	600×260mm	680×320mm	720×320mm
Main motor power(V/H)	1.5/2.2kw	2.2/2.2kw	2.2/2.2kw
Packing size	1680x1450x2350mm	1680x1450x2350mm	1750x1600x2350mm
N.w/G.w	1200/1350kg	1260/1400kg	1550/1680kg

# TURRET MILLING MACHINE



## STANDARD ACCESSORIES

- ◆ Coolant system
- ◆ Working light
- ◆ Taiwan milling turret head
- ◆ Oil tray
- ◆ Machine vice 160mm
- ◆ Milling chuck
- ◆ Tool box with tools

## OPTIONAL ACCESSORIES

- ◆ Taiwan variable speed head
- ◆ 3 axis DRO
- ◆ X / Y power feed attachment
- ◆ Z-axis lifting motor
- ◆ 58 pcs clamping kits
- ◆ Rotary table
- ◆ Universal dividing head
- ◆ NT30/NT40 spindle

Specification	GT6323	GT6325(4H)	GT6330(5H)
Table size(L×W)	1067×230mm	1270×254mm (Optional:1370×254mm)	1370×305mm
T-slot size(N×W×D)	3/16/63mm	3-16/65mm	3-16/85mm
Table travel (X/Y/Z)	600×320×400mm	800×400×400mm	850×400×450mm
Distance between spindle nose and table surface	60-460mm	60-460mm	80-500mm
Spindle speed	66-4540rpm	66-4540rpm	66-4540rpm
Main motor power	3HP	3HP	5HP
Spindle taper	R8	R8 or NT30	NT40
Travel of spindle sleeve	127mm	127mm	127mm
Ram travel	300mm	480mm	500mm
Feed of spindle sleeve	0.04/0.08/0.15mm/r	0.08/0.04/0.20mm/r	0.08/0.04/0.20mm/r
Milling head rotation	swivel:45° tilt:90°	swivel:45° tilt:90°	swivel:45° tilt:90°
Overall size (L×W×H)	1550×1400×2150mm	1700×1600×2150mm	1750×1650×2150mm
N.w	950kg	1200kg	1350kg

# UNIVERSAL MILLING MACHINE



## STANDARD ACCESSORIES

- ◆ Coolant system
- ◆ Working light
- ◆ Taiwan milling turret head
- ◆ Oil tray
- ◆ Machine vice 160mm
- ◆ Milling chuck
- ◆ Tool box with tools

## OPTIONAL ACCESSORIES

- ◆ Taiwan variable speed head
- ◆ 3 axis DRO
- ◆ X / Y power feed attachment
- ◆ Z axis lifting motor
- ◆ 58 pcs clamping kits
- ◆ Rotary table
- ◆ Universal dividing head
- ◆ NT30/NT40/NT50 spindle

Specification	6325U	6330U	6332U	6336U
Table size(L×W)	1270×254mm (Optional:1370×254mm)	1370×305mm	1570×320mm	1370×360mm
T-slot size(N×W×D)	3/16/65mm	3/16/85mm	3/16/85mm	3/18/80mm
Table travel (X/Y/Z)	800×420×450mm	800×370×450mm	1000×370×450mm	1000×320×450mm
Spindle taper:vertical/horizontal	R8/NT30(V),NT40(H)	R8/NT40(V),NT40(H)	R8/NT40(V),NT40(H)	NT40(V),NT50(H)
Distance between horizontal nose and table surface	0-400mm	0-400mm	0-400mm	0-400mm
Distance between spindle axis and ram surface	230mm	230mm	230mm	270mm
Vertical spindle variable speed	80-4200rpm(variable)	80-4200rpm(variable)	80-4200rpm(variable)	50-3750rpm(variable)
Vertical spindle step speed	66-4540rpm(16 steps)	66-4540rpm(16 steps)	66-4540rpm(16 steps)	66-4540rpm(16 steps)
Horizontal spindle step speed	40-1300rpm(12 steps)	40-1300rpm(12 steps)	40-1300rpm(12 steps)	60-1800rpm(12 steps)
Ram travel	400mm	400mm	400mm	600mm
Main motor power(V/H)	2.25kw, optional 3.75kw(vertical) 3kw(horizontal)	2.25kw, optional 3.75kw(vertical) 3kw(horizontal)	2.25kw, optional 3.75kw(vertical) 3kw(horizontal)	3.75kw(vertical) 5.5kw(horizontal)
Overall size (L×W×H)	1650×1680×2450mm	1750×1680×2450mm	1950×1700×2450mm	2250×2050×2550mm
N.w	1400kg	1500kg	1600kg	2200kg

# HYDRAULIC RADIAL DRILLING MACHINE



## FEATURES

- Extremely rigid machine bed made of high-strength HT-200 cast-iron with heavy ribbing
- Precision-ground guideways with hardened surfaces for long-term accuracy and wear-resistance
- Quite, precision-made headstock gears with hardened and ground gears
- Universal milling head can realize fast conversion between vertical milling and horizontal milling
- One powerful servo motor allows infinite adjustment of the feed on all 3 axes
- 5.5 kw main drive guarantees high torque
- Coolant system and chip tray are included

## STANDARD ACCESSORIES

- Coolant system
- Working light
- Taiwan milling turret head
- Oil tray
- Machine vice 160mm
- Milling chuck
- Tool box with tools

## OPTIONAL ACCESSORIES

- Taiwan variable speed head
- 3 axis DRO
- X / Y power feed attachment
- Z axis lifting motor
- 58 pcs clamping kits
- Rotary table
- Universal dividing head
- NT30/NT40/NT50 spindle

Specification	GT 6436	GT6436C	GT6436CL
Table size(L×W)	1325×360mm	1325×360mm	1600×360mm
Table travel (X/Y/Z)	750×3.0×450mm	1100×320×450mm	1300/320/450mm
Table feed (X/Y/Z)	30-750/20-500/15-375rpm		
Swivel Table	±45°Optional	±45°Optional	±45°Optional
Spindle taper	7:24 ISO50(H/V)	7:24 ISO50(H/V)	7:24 ISO50(H/V)
Max. loading capacity	350kg	350kg	350kg
T-slot(N×W×D)	3-18/80mm	3-18/80mm	3-18/80mm
Ram travel	600mm	600mm	600mm
Distance between spindle nose and table surface	196-646mm	190-590mm	190-590mm
Distance between horizontal nose and table surface	20-470mm	175-625mm	175-625mm
Distance between horizontal nose and arm surface	200mm	200mm	200mm
Spindle speed(12 steps)	60-1750rpm(V) 60-1800rpm(H) 12 steps 60-1750rpm (V) 12 steps 60-1800rpm (H)		
Main motor power	4kw(V), 5.5kw(H)	4kw(V), 5.5kw(H)	4kw(V), 5.5kw(H)
3 phase AC feeding servo motor torque	10N.m	10N.m	10N.m
Overall size	1800×2100×2000mm	2520×2100×2000mm	2520×2100×2000mm
N.w	2650kg	2800kg	2800kg

# NC MILLING MACHINE

## FEATURES

- ◆ Main components are of high strength cast iron, metallographic structure stability, ensure the stability of machine tool for long-term use.
- ◆ Column bottom are front bridge type structure, Combined with the base of the boxbody, greatly reduce the heavy cutting vibration body
- ◆ The X/Y/Z three axis adopt Taiwan linear guide, high precision, accurate positioning, small friction, fast reaction speed
- ◆ The high speed, high precision and high rigidity spindle unit
- ◆ The intermittent automatic lubrication

## STANDARD ACCESSORIES

- ◆ Draw bar
- ◆ Tool box and tools
- ◆ Hung up control panel
- ◆ Coolant system
- ◆ Oil collecting plate
- ◆ Plastic splashing guard
- ◆ Auto lubrication system
- ◆ Working lamp



Specification	Unit	GT6330
The X axis travel	mm	880
The Y axis travel	mm	400
The Z axis travel	mm	400
The spindle nose to table	mm	0-445
Quill travel	mm	100
Spindle center distance to column guide-way	mm	140-609
High speed feeding of X/Y/Z axis	mm/min	3000
Feeding speed	mm/min	1-2000
Table size	mm	1500×305
Ram travel	mm	500
Maximum load capacity	kg	300
T-slot No./width/distance of table	mm	3/16/85
The spindle speed/Step	rpm	66-4540/16 steps
The main motor power	kW	3.7
Spindle taper		7:24 ISO40
Machine net weight	kg	1680
Machine tool appearance size	mm	2000×1950×2230

# RAM MILLING MACHINE



## FEATURES

- Table 3 axes with ball screws, high precision
- Table feeding with 3 separated servo motors, variable speeds, not interfere each other,
- high reliability, easy to operate
- Mechanical change speeds in head stock, powerful milling
- Table with an extra supporting column, big load, high accuracy
- It can mill any angle surface through front half-sphere by swivelling milling head

### STANDARD ACCESSORIES

- Draw bar
- Machine chuck
- End face milling
- cutter handle
- Wrenches

### OPTIONAL ACCESSORIES

- Schneider electric components
- Aluminium hang arm
- 3 Axis DRO
- Spindle guard
- Work table cover
- LED working light
- Automatic lubrication

Specification	GT5750	GT5750A
Table size	500x1600mm	500x2000mm
Table travel (X/Y/Z)	1200x700x500mm	1400x700x500mm
Table feed(X/Y/Z)	10-1000/10-1000/5-500mm/min	
Spindle taper	ISO50	ISO50
Distance between spindle nose and table surface	50-550mm	50-550mm
Swivel Table	360°	360°
Distance between spindle and arm	45-745mm	45-745mm
Spindle speed range	(27steps) 30-2050rpm	(27steps) 30-2050rpm
T-slot size(NxWxD)	5-18x80mm	5-18x80mm
Table rapid speed	2200/2200/1100mm/min	
Feeding motor torque(X/Y/Z)	AC servo motor: 18/18/27Nm	
Max loading capacity	1500kg	1500kg
Main motor power	7.5kw	7.5kw
Overall size	2625x2460x2080mm	3125x2860x2080mm
N.w	4500kg	5000kg

# UNIVERSAL TOOL MILLING MACHINE



## FEATURES

- Ball screws and servo motors adopted on X Y Z 3-axis for easy and precise feeds
- Infinitely variable vertical cutting head with a swivel  $\pm 90^\circ$  and the spindle controlled by variable frequency motor
- Electronic handwheel adopted on X Y Z with axis, easy operating
- Automatic oil lubrication, cooling system, oil tray, CE schneider electric are standard

### STANDARD ACCESSORIES

- Schneider electric
- LED working light
- Electronic handwheel
- Horizontal milling arbors
- Reducing sleeves
- Milling chuck
- Collet chuck with collets
- Draw bar
- Coolant system
- Oil tray

### OPTIONAL ACCESSORIES

- 3 axis DRO
- Spindle guard
- Table guard
- Universal swivel table (GT8140)
- Dividing head F12100A
- Machine Vice QM160mm
- 58 pcs clamping kits M12

Specification	GT8132	GT8140	GT8145
Table size	750x320mm	800x400mm	800x450mm
Table travel (X/Y/Z)	405/305/400mm	500/400/400mm	600/450/450mm
Table feed(X/Y/Z)	10-1000mm/min	10-1000mm/min	10-1000mm/min
T-slots(work table)	5-14x63mm	6-14x63mm	7-14x63mm
T-slots(vertical table)	3-14x63mm	3-14x63mm	3-14x63mm
Spindle taper	NT40	NT40	NT40
Spindle speed range	(2 steps)40-2000rpm	(2 steps)40-2000rpm	(2 steps)40-2000rpm
3 axis feed AC servo motor torque	7.7/7.7/10N.m	7.7/7.7/10N.m	10/10/15N.m
Table rapid speed	1200mm/min	1200mm/min	1200mm/min
Max loading capacity	160kg	200kg	300kg
Main motor power	3.7kw	3.7kw	5.5kw
Vertical table dimensions	890x225mm	1020x225mm	1190x250mm
Quill stroke	60mm	60mm	60mm
Overall size	1500x1700x1800mm	1500x1700x1800mm	1600x1800x2000
N.w	1500kg	1550kg	1750kg

# HYDRAULIC RADIAL DRILLING MACHINE



## FEATURES

- The speed and feeding of machine have range of speed changes can be operated by motor, manual, and inching. The feed can be easily switched on or off at any time
- The displacement error of the main shaft is small when it is loosened and clamped
- The speed change control mechanism is concentrated on the main shaft box which is convenient for operation and speed change. The hydraulic power realizes the clamping of each part and the speed change of the main shaft which is sensitive and reliable
- The parts of the main shaft set are made of special high-quality steel, and the world class heat treatment equipment is used to ensure the high strength and wear resistance of the machine tool
- The main gears are processed by grinding to ensure the high precision and low noise of the machine tool

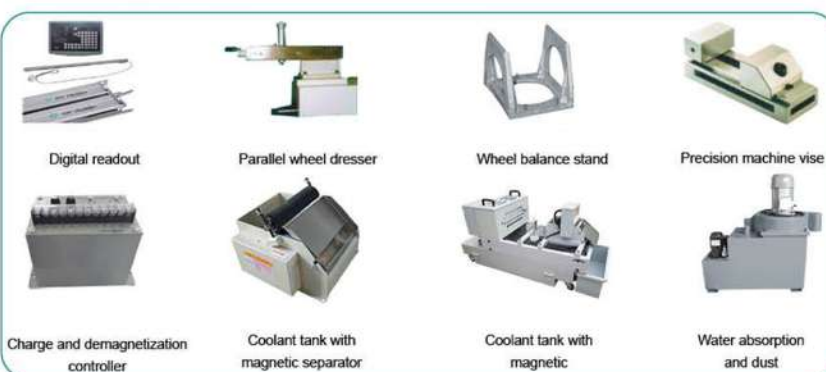
Specification	3040X13	3050X16	3063x20	3080X25	30100X31
Max. drilling dia.	40mm	50mm	63mm	80mm	100mm
Distance between spindle axis and column	300-1300mm	350-1600mm	450-2000mm	500-2500mm	570-3150mm
Distance from spindle nose and working surface of base	300-1120mm	320-1220mm	400-1600mm	550-2000mm	750-2500mm
Diameter of column	300mm	350mm	450mm	550mm	700mm
Spindle travel	280mm	315mm	400mm	450mm	500mm
Spindle taper	MT4	MT5	MT5	MT6	MT6
Spindle speed	32-2500rpm	25-2000rpm	20-1600rpm	16-1250rpm	8-1000rpm
Number of spindle speed	16 steps	16 steps	16 steps	16 steps	22 steps
Range spindle feed	0.10-1.25mm/rev	0.04-3.20mm/rev	0.04-3.20mm/rev	0.04-3.20mm/rev	0.06-3.2mm/rev
Number of spindle feed	8 steps	16 steps	16 steps	16 steps	16 steps
Distance of head horizontal movement	1000mm	1250mm	1600mm	2000mm	2580mm
Table size	600x450x450mm	630x500x500mm	950x630x500mm	1000x800x560mm	1250x800x630mm
Base size	2050x900x200mm	2400x1000x200mm	2900x1250x250mm	3530x1400x300mm	4425x1630x350mm
Main motor power	3kw	4kw	5.5kw	7.5kw	15kw
Overall size	2100X900X2300mm	2500X1060X2650mm	3110X1250X3150mm	3730X1400X3790mm	4660X1630X4525mm
Packing size(LxWxH)	2350X1060X2450mm	2600x1120x2550mm	3480X1470X2200mm	3870X1620X2230mm 3730X1540X1530mm	4800x1800x1550mm 4600x1530x2000mm
N.w/G.w	2100/2500kg	3400/3650kg	6795/7145kg	10000/10450kg	20000/22000kg

# SURFACE GRINDING MACHINE



## FEATURES

- ♦ AH: axis(longitudinal) electric  
Y axis (cross) hydraulic  
Z axis manual
- ♦ AHR X axis(longitudinal) electric  
Y axis (cross) hydraulic  
Z axis lifting motor rapid up and down
- ♦ AHD: X axis(longitudinal) electric  
Y axis (cross) hydraulic  
Z axis PLC control, servo drive



Specification	GT1224AH/AHR/AHD	GT1230AH/AHR/AHD	GT4080AH/AHR/AHD
Table size(W×L)	300×600mm	300×700mm	400×800mm
Max.workpiece to be ground(L×W×H)	600×300×270mm	680×300×270mm	800×400×350mm
Max.cross travel	630mm	680mm	830mm
Max.longitudinal travel	320mm	300mm	420mm
Distance from table surface to spindle center	490mm	490mm	480mm
Slide way	One flat rail one V —平— V	One flat rail one V —平— V	One flat rail one V —平— V
Max longitudinal of work table	200kg	200kg	200kg
Number of T-slot	1×14mm	1×14mm	1×14mm
Speed of work table	18m/min	18m/min	18m/min
Cross feed on handwheel	0.02/Grauation 4/revolution mm	0.02/Grauation 4/revolution mm	0.02/Grauation 4/revolution mm
Vertical MPG feed	0.001/0.01/0.1Graduation 0.1/1/10/revolution mm	0.001/0.01/0.1Graduation 0.1/1/10/revolution mm	0.001/0.01/0.1Graduation 0.1/1/10/revolution mm
Wheel size(dia×width×bore)	Φ300×30×Φ75mm	Φ300×30×Φ75mm	Φ300×30×Φ75mm
Spindle speed	1440rpm	1440rpm	1440rpm
The total power of electric motor	6.5kw	6.5kw	7.5kw
Spindle motor	4kw	4kw	4kw
The machined surface the base of parallelism	0.005/300mm	0.005/300mm	0.005/300mm
Surface roughness	Ra0.63μm	Ra0.63μm	Ra0.63μm
Vertical feeding servo motor	0.75kw	0.75kw	0.75kw
Cross feed motor of table	0.06kw	0.08kw	0.06kw
Capacity of oil tank	80L	60L	80L
Coolant pump	0.04kw	0.04kw	0.09kw
Packing size(L×W×H)	2000×1700×2100mm	2100×1750×2100mm	2660×1970×2220mm
N.w/G.w	1400/1550kg	1450/1600kg	2000/2200kg

## STANDARD ACCESSORIES

- ♦ Coolant tank
- ♦ Magnetic chuck
- ♦ Balancing arbor
- ♦ Wheel extractor
- ♦ Wheel flange
- ♦ Leveling wedge and bolt
- ♦ Tool box and tools
- ♦ Standard grinding wheel
- ♦ Working lamp
- ♦ Wheel dresser stand (not include diamond plan)

## OPTIONAL ACCESSORIES

- ♦ Parallel wheel dresser
- ♦ Digital readout
- ♦ Wheel balance stand
- ♦ Coolant tank with magnetic separator and paper filter
- ♦ Coolant tank with magnetic separator
- ♦ Precision machine vise
- ♦ Charge and demagnetization controller
- ♦ Water absorption and dust

# HIGH PRECISION SURFACE GRINDER



HIGH PRECISION SURFACE GRINDER

HIGH PRECISION SURFACE GRINDER

Specification	GT-2550AH/AHR/AHD	GT-3063AH/AHR/AHD	GT-4080AH/AHR/AHD
Table size (W×L)	250×500mm	305×600mm	406×800mm
Max.longitudinal travel	520mm	765mm	910mm
Max.cross travel	260mm	340mm	450mm
Max.distance from spindle center to table	450mm	550mm	550mm
Magnetic chuck size	250×500mm	300×600mm	400×800mm
Speed of table longitudinal movement		7-23m/min	
Table transverse movement	Auto feed	0.1-8mm/min	
	Rapid speed	990mm/min	
	Feed of handwheel	0.02mm/div.	
Wheelhead vertical movement	Auto feed	(H/R mode) 0.005/0.1/0.02/0.03/0.04/0.05 (Only for D mode)mm/stroke	
	Rapid speed	(H mode) 610 (Only for R mode) 480 (Only for D mode)mm/min	
	Feed of handwheel	0.005 mm/div.	
Grinding wheel	Speed	50Hz 2800rpm 60Hz 3600rpm	50Hz 1450rpm 60Hz 1750rpm
	(OD×W×ID)Size	Φ200×20×31.75	Φ350×40×Φ127mm
Spindle motor	2.2kw	5.5kw	5.5kw
Hydraulic motor	1.5kw	2.2kw	2.2kw
Cooling pump motor	0.04kw	0.09kw	0.09kw
Elevating motor		-(H mode) 0.25 (R mode) 0.75 (D mode,servo motor)kw	
Cross feed motor		0.04kw	
Max loading of work table (include magnetic chuck)	200kg	270kg	500kg
Total rated power	4kw	9kw	9kw
Surface roughness	Ra≤0.25μm	Ra≤0.25μm	Ra≤0.25μm
Packing size (L×W×H)	2050×1500×1980mm	2315×2220×2230mm	2720×2265×2250mm
G.w	1400kg	2800kg	3600kg

Specification	GT-30100AH/AHR/AHD	GT-40100AH/AHR/AHD	GT-50100AH/AHR/AHD
Table size (W×L)	305×1003mm	406×1005mm	506×1005mm
Max.longitudinal travel	1130mm	1130mm	1040mm
Max.cross travel	340mm	450mm	530mm
Max.distance from spindle center to table	550mm	550mm	550mm
Magnetic chuck size	300×1000mm	400×1000mm	500×1000mm
Speed of table longitudinal movement	7-23m/min	7-23m/min	5-25m/min
Table transverse movement	Auto feed	0.1-8m/min	
	Rapid speed	990mm/min	
	Feed of handwheel	0.02mm/div.	
Wheelhead vertical movement	Auto feed	(H/R model) 0.005/0.01/0.02/0.03/0.04/0.05(Only for D model)mm/stroke	
	Rapid speed	(H model) 610 (Only for R model) 480 (Only for D model)mm/min	
	Feed of handwheel	0.005 mm/div.	
Grinding wheel	Speed	50Hz 1440rpm 60Hz 1750rpm	50Hz 1440rpm 60Hz 1750rpm
	(OD×W×ID)Size	Φ350×40×Φ127mm	Φ350×40×Φ127 mm
Spindle motor		5.5kw	
Hydraulic motor		2.2kw	
Cooling pump motor		0.09kw	
Elevating motor		(H model) 0.25(R model) 0.75 (D model,servo motor)kw	
Cross feed motor		0.04kw	
Max loading of work table (include magnetic chuck)	400kg	600kg	600kg
Total rated power	9kw	9kw	9kw
Surface roughness	Ra≤0.25μm	Ra≤0.25μm	Ra≤0.25μm
Packing size (L×W×H)	2960×2210×2220mm	3420×2250×2230mm	3060×2360×2300mm
G.w	3200kg	3900kg	4100kg

## STANDARD ACCESSORIES

- ◆ Coolant tank
- ◆ Magnetic chuck
- ◆ Balancing arbor
- ◆ Wheel extractor
- ◆ Wheel flange
- ◆ Leveling wedge and bolt
- ◆ Tool box and tools.
- ◆ Standard grinding wheel
- ◆ Working lamp
- ◆ Wheel dresser stand (not include diamond pen)

## OPTIONAL ACCESSORIES

- ◆ Parallel wheel dresser
- ◆ Digital readout
- ◆ Wheel balance stand
- ◆ Coolant tank with magnetic separator and paper filter
- ◆ Coolant tank with magnetic separator
- ◆ Worktable cover

## FEATURES

- ◆ AH: axis(longitudinal) electric Y axis (cross) hydraulic Z axis manual
- ◆ AHR X axis(longitudinal) electric Y axis (cross) hydraulic Z axis lifting motor rapid up and down
- ◆ AHD: X axis(longitudinal) electric Y axis (cross) hydraulic Z axis PLC control, servo drive

# HORIZONTAL SHAFT SURFACE GRINDER



Specification	7130	7132	7140x10/16/20/25/30				
Size of worktable (LxWxH)	1000x300x400mm	1000x320x400mm	1000/1600/2000/2500/3000x400x400mm				
Max. Longitudinal movement of worktable	1100mm	1100mm	1100mm	1700mm	2100mm	2600mm	3100mm
Max. Distance from the spindle centerline to the worktable surface	580mm	580mm	580mm	770mm	770mm	770mm	770mm
Max. Cross movement grinding head	350mm	370mm	450mm	450mm	450mm	450mm	450mm
Vertical movement of the grinding head	Per graduation	0.01mm	0.01mm	0.01mm	0.01mm	0.01mm	0.01mm
		Per revolution	1mm	1mm	1mm	1mm	1mm
Rapid lifting	Power		0.37kw	0.37kw	0.37kw	0.37kw	0.37kw
	Speed	1440r/min	1440r/min	1440r/min	1440r/min	1440r/min	1440r/min
Grinding wheel (ODxWxID)Size	Ø 350x40x127mm						
Speed of grinding wheel	1440r/min	1440r/min	1440r/min	1440r/min	1440r/min	1440r/min	1440r/min
Total power of motor	11kw	11kw	11kw	13.5kw	17kw	17kw	17kw
Power of spindle motor	7.5kw	7.5kw	7.5kw	7.5kw	11kw	11kw	11kw
Power of oil pump motor	3kw	3kw	3kw	5.5kw	5.5kw	5.5kw	5.5kw
Parallelism of Work piece Surface to Base level	300: 0.008mm	300: 0.008mm	300: 0.008mm	300: 0.008mm	300: 0.008mm	300: 0.008mm	300: 0.008mm
Surface roughness	Ra:0.63µm	Ra:0.63µm	Ra:0.63µm	Ra:0.63µm	Ra:0.63µm	Ra:0.63µm	Ra:0.63µm
Packing size (LxWxH)	2800x1750x235mm	2800x1750x2350mm	2800x1750x2350mm	4300x1700x2480mm	5200x1700x2480mm	5200x1700x2480mm	7500x1900x2480mm
N.W/G.W	3680/4000kg	3980/4200kg	4100/4600kg	5600/6200kg	6800/7200kg	6800/7200kg	8500/9100kg



## FEATURES

- We adopt special type plain bearing at the spindle nose. (the external is conical, the internal is cylindrical) this kind of structure is long serves life
- We adopt a motor built-in type motor structure. This structure is compact and excellent rigidity
- Worktable longitudinal movement and grinding head cross movement is supported by hydraulic system. They are stepless and variable speed

Specification	7150x12/16/20			7163x12/16/20		
Size of worktable (LxWxH)	1250/1600/2000x500x600 mm			1250/1600/2000x630x600 mm		
Max. Longitudinal movement of worktable	1350mm	1700mm	2100mm	1350mm	1700mm	2100mm
Max. Distance from the spindle centerline to the worktable surface	800mm	800mm	800mm	800mm	800mm	800mm
Max. Cross movement grinding head	550mm	550mm	550mm	680mm	680mm	680mm
Vertical movement of the grinding head	Per graduation	0.01mm	0.01mm	0.01mm	0.01mm	0.01mm
		Per revolution	1mm	1mm	1mm	1mm
Rapid lifting motor	Power		0.37kw	0.37kw	0.37kw	0.37kw
	Speed	1440r/min	1440r/min	1440r/min	1440r/min	1440r/min
Grinding wheel (ODxWxID)Size	Ø 400x40x127mm	Ø 400x50x203mm	Ø 400x40x127mm	Ø 400x40x127mm	Ø 400x40x127mm	Ø 400x50x203mm
Speed of grinding wheel	1440r/min	1440r/min	1440r/min	1440r/min	1440r/min	1440r/min
Total power of motor	12kw	15.5kw	17kw	12kw	13.5kw	15.5kw
Power of spindle motor	7.5kw	9kw	11kw	7.5kw	7.5kw	9kw
Power of oil pump motor	4kw	5.5kw	5.5kw	4kw	5.5kw	5.5kw
Parallelism of Work piece Surface to Base level	300: 0.008mm	300: 0.008mm	300: 0.008mm	300: 0.008mm	300: 0.008mm	300: 0.008mm
Surface roughness	Ra:0.63µm	Ra:0.63µm	Ra:0.63µm	Ra:0.63µm	Ra:0.63µm	Ra:0.63µm
Package (LxWxH)	3600x1930x2480mm	4600x1850x2350mm	5100x1850x2350mm	3800x1950x2480mm	4800x1850x2350mm	5300x1850x2350mm
N.W/G.W	5300/6000kg	6000/6900kg	7000/7800kg	5800/6500kg	6500/7500kg	7800/8500kg

# CYLINDRICAL GRINDING MACHINE



## FEATURES

- ◆ The machine has the characteristics of high cutting precision, strong rigidity and high efficiency  
Suitable for grinding cylindrical and conical workpieces
- ◆ The workpiece, cylindrical grinding wheel, oil pump and cooling pump by an independent motor drive
- ◆ Machine moving parts with electrical, hydraulic and the operation is safe and reliable

## STANDARD ACCESSORIES

- ◆ Complete set of coolant equipment
- ◆ Wheel hub
- ◆ Leveling wedge
- ◆ Wheel peripheral dresser
- ◆ Wheel balancing arbor
- ◆ Open type steady rest
- ◆ Complete set of electric equipment

## OPTIONAL ACCESSORIES

- ◆ Wheel Balancing stand
- ◆ Radius Dresser
- ◆ Digital Readout

Specification	1320H×500	1320H×800
Grinding diameters with steady-rest (O.D.)	8/60mm	8/60mm
Grinding diameters without steady-rest (O.D.)	8/200mm	8/200mm
Max. workpiece weight	50kg	50kg
Grinding length external	500mm	800mm
Center height	135mm	135mm
Distance between centers	500mm	800mm
External wheel size	MaxΦ400×50×Φ203mm; MinΦ280×50×203 mm	
Peripheral speed of grinding wheel	38m/s	38m/s
Wheelhead spindle speed	1670r/min	1670r/min
Wheelhead rapid advance & withdrawal	25mm	25mm
Headstock and tailstock center	MT4	MT4
Worktable speed	0.1~4m/min	0.1~4m/min
Max. travel of table	600mm	900mm
Swivel range of worktable	-5~+7°	-3~+6°
Total motor power	5.625kw	5.625kw
Machine weight	2500kg	3000kg
O.D. Roundness	1.5μm	1.5μm
Surface roughness	Ra0.32μm	Ra0.32μm
Uniform of dia. in longitudinal section	5μm	5μm
O.D. roundness by chuck	2.5μm	2.5μm

# UNIVERSAL CYLINDRICAL GRINDING MACHINE



## FEATURES

- The machine has the characteristics of high cutting precision, strong rigidity and high efficiency. Suitable for grinding cylindrical and conical workpieces
- Machine workpiece, outer round grinding wheel, inner ring grinding wheel, oil pump and cooling pump are driven by independent motors
- The longitudinal movement of the machine table can be driven by hydraulic stepless speed change. or by handwheel, and the workbench is lubricated in the form of small hole throttling and unloading
- Each moving part of the machine tool has electrical, hydraulic and mechanical interlocking mechanisms, so the operation is safe and reliable

## STANDARD ACCESSORIES

- ◆ Complete set of coolant equipment
- ◆ Wheel hub
- ◆ Leveling wedge
- ◆ Complete set of electric equipment
- ◆ Wheel balancing arbor
- ◆ Int. grinding attachment
- ◆ Wheel peripheral dresser
- ◆ Open type steady rest

## OPTIONAL ACCESSORIES

- ◆ Wheel Balancing stand
- ◆ Radius Dresser
- ◆ Center rest close type
- ◆ Extension bar
- ◆ Digital Readout

Specification	GT1420H/F×500	GT1420H/F×800
Grinding diameters with steady-rest (O.D.)	8/60mm	8/60mm
Grinding diameters without steady-rest (O.D.)	8/200mm	8/200mm
Grinding diameters with steady-rest (I.D.)	35/100mm	35/100mm
Grinding diameters without steady-rest (I.D.)	25/100mm	25/100mm
Max. workpiece weight	50kg	50kg
Grinding length(O.D/I.D)	500/125mm	800/125mm
Center height	135 mm	135mm
Distance between centers	500mm	800mm
External wheel size	Max. Φ400×50×Φ203mm	Max. Φ400×50×Φ203mm
	Min. Φ280×50×Φ203mm	Min. Φ280×50×Φ203mm
Max. peripheral speed of grinding wheel	38m/s	38m/s
Wheel size for internal grinding attachment	Max. Φ50×40×Φ16mm	Max. Φ50×40×Φ16mm
	Min. Φ45×35×Φ10mm	Min. Φ45×35×Φ10mm
Internal wheel spindle rotating-speed	1670r/min	1670r/min
Wheelhead rapid advance and retreat	25mm	25mm
Headstock and tailstock center	MT4	MT4
Swivel range of worktable	-5~+7°	-3~+6°
Worktable speed	0.1~4m/min	0.1~4 m/min
Max. travel of table	645mm	945 mm
Spindle speed of headstock	50Hz:25~380 steplessr/min	50Hz:25~380 steplessr/min
	60Hz:30~456 steplessr/min	60Hz:30~456 steplessr/min
Total motor power	5.625kw	5.625kw
Overall dimensions(L×W×H)	2500×1600×1600mm	3000×1600×1600mm
Machine weight	2500kg	3000kg
Roundness	1.5/2.5μm(O.D/I.D)	1.5/2.5μm(O.D/I.D)
Surface roughness	Ra0.32/0.63μm(O.D/I.D)	Ra0.32/0.63μm(O.D/I.D)
Uniformity of dia. in longitudinal section	5μm	5μm
O.D.roundness by chuck	2.5μm	2.5μm

# UNIVERSAL CYLINDRICAL GRINDING MACHINE



## STANDARD ACCESSORIES

- ◆ Complete set of electric equipment
- ◆ Wheel peripheral dresser
- ◆ Wheel balancing mandrel
- ◆ Leveling wedge
- ◆ Int.grinding attachment
- ◆ Complete set of coolant equipment
- ◆ Wheelflanges
- ◆ Open type steady rest
- ◆ Three jaw chuck

## OPTIONAL ACCESSORIES

- ◆ Close type stead rest
- ◆ Radius Dresser
- ◆ Wheel balancing stand
- ◆ End-face dresser
- ◆ Digital Readout

Specification	1432B×1000	1432B×1500	1432B×2000	M1432B×3000	1450B×1500	1450B×2000	1450B× 3000
Grinding length(O.D/I.D)	1000/125mm	1500/125mm	2000/125mm	3000/125mm	1500/320mm	2000/320mm	3000/320mm
Grinding dia.(O.D/I.D)	Φ8-Φ320/Φ30-Φ100mm				Φ500/200mm		
Center height	180mm	180mm	180mm	180mm	270mm	270mm	270mm
Max. workpiece weight	150kg	150kg	150kg	150kg	1000kg	1000kg	1000kg
Worktable speed	0.1~4m/min	0.1~4m/min	0.1~4m/min	0.1~4m/min	0.1~3m/min	0.1~3m/min	0.1~3m/min
Max. peripheral speed of grinding wheel	38m/s	38m/s	38 m/s	38m/s	38m/s	38m/s	38m/s
Max. travel of table	1100mm	1600mm	2100mm	3100mm	1500mm	2000mm	3000mm
Swivel range of worktable	-3~+7°	-3~+6°	-2~+5°	-2~+3°	-3~+6°	-2~+5°	-2~+3°
External wheel size	Φ400×50×Φ203mm		Φ500×50×Φ203mm		Φ500×75×Φ305mm	Φ500×75×Φ305mm	Φ500×75×Φ305mm
Spindle speed of headstock	50Hz:25~220 stepless r/min		60Hz:30~264 stepless r/min		50Hz:20~224r/min	50Hz:20~224r/min	50Hz:20~224r/min
Headstock and tailstock center	MT4	MT4	MT4	MT4	MT6	MT6	MT6
Wheelhead displacement per div. of handwheel coarse/fine	0.01/0.0025mm	0.01/0.0025mm	0.01/0.0025mm	0.01/0.0025mm	0.02/0.0025mm	0.02/0.0025mm	0.02/0.0025mm
Total motor power	9kw	9kw	9kw	9kw	14.08 kw	14.08kw	14.08kw
Overall dimensions(L×W×H)	3605×1810×1515mm	4605×1810×1515mm	5605×1810×1515mm	7605×1810×1515mm	5320×2680×1560mm	6090×2680×1560mm	10240×2680×1560mm
Machine weight	3700kg	4300kg	6600kg	8600kg	8600kg	9900kg	11350kg
Roundness	1.5/2.5μm(O.D/I.D)	1.5/2.5μm(O.D/I.D)	1.5/2.5μm(O.D/I.D)	1.5/2.5μm(O.D/I.D)	1.5/2.5μm(O.D/I.D)	1.5/2.5μm(O.D/I.D)	1.5/2.5μm(O.D/I.D)
Uniformity of dia. in longitudinal section	8/10μm(O.D/I.D)	8/10μm(O.D/I.D)	8/10μm(O.D/I.D)	8/10μm(O.D/I.D)	8/10μm(O.D/I.D)	8/10μm(O.D/I.D)	8/10μm(O.D/I.D)
Surface roughness	Ra0.32/0.63μm(O.D/I.D)	Ra0.32/0.63μm(O.D/I.D)	Ra0.32/0.63μm(O.D/I.D)	Ra0.32/0.63μm(O.D/I.D)	Ra0.32/0.63μm(O.D/I.D)	Ra0.32/0.63μm(O.D/I.D)	Ra0.32/0.63μm(O.D/I.D)

# CNC CYLINDRICAL GRINDING MACHINE



CNC CYLINDRICAL GRINDING MACHINE

CNC CYLINDRICAL GRINDING MACHINE

## STANDARD ACCESSORIES

- ◆ Wheel peripheral dresser
- ◆ Wheel chuck
- ◆ Balancing arbor
- ◆ Diameter measuring instrument
- ◆ Wheel extractor
- ◆ Magnetic separator

## OPTIONAL ACCESSORIES

- ◆ Wheel balancing stand
- ◆ Hybrid wheel spindle
- ◆ Surface measuring instrument
- ◆ Open-type steady rest
- ◆ Automatic loading and unloading

Specification	1320Hx500	1320Hx500	1320Hx500	1332Bx1000
External grinding dia.	Φ8-Φ200 mm	Φ8-Φ200 mm	Φ8-Φ200 mm	Φ8-Φ320 mm
External grinding length	500 mm	400 mm	400 mm	1000 mm
Center height	135 mm	135 mm	135 mm	180 mm
Distance between centers	500 mm	500 mm	500 mm	1000 mm
Headstock center	MT4	MT4	MT4	MT5
Tailstock center	MT4	MT4	MT4	MT4
Max. workpiece weight	50 kg	5 kg	5 kg	150 kg
Wheel size	Φ400×50×Φ203 mm	Φ400×50×Φ203 mm	Φ500×50×Φ203 mm	Φ600×75×Φ305 mm
Max. peripheral speed of grinding wheel	38 m/s(Dynamic and static pressure spindle 45 m/s)			
Wheel spindle rotation speed	1815/2150 r/min	1815/2150 r/min	1452/1720 r/min	1210/1433 r/min
Min. pulse amount in X-axis	0.001 mm	0.001 mm	0.001 mm	0.001 mm
Min. pulse amount in Z-axis	0.001 mm	0.001 mm	0.001 mm	0.001 mm
Total motor power	10.825 kw	15 kw	22 kw	21.475 kw
Longitudinal servo motor	1.6(6Nm) kw	2.4(11.5Nm) kw	3.1(15Nm) kw	4.7(23Nm) kw
Traverse servo motor	1.6(6Nm) kw	2.4(11.5Nm) kw	3.1(15Nm) kw	3.9(15Nm) kw
Roundness	1.5μm	1.5μm	1.5μm	1.5μm
Surface roughness	Ra0.32μm	Ra0.32μm	Ra0.32μm	Ra0.32μm
Dia.uniformity in the longitudinal. Section	5μm	5μm	5μm	5μm

# DOUBLE COLUMN SAW MACHINE



## FEATURES

- ◆ Double column structure, stable operation, stable sawing and high precision
- ◆ Hydraulic controlled sawing feed speed, stepless speed
- ◆ The new structure of the saw blade guide uses hard metal alloy blades to Extend the service life of the saw blade
- ◆ The upper pressing device and the electric feeding device can be customized
- ◆ The work table of the Z series sawing machine can be manually adjusted and rotated 45 degrees to realize the oblique cutting of materials

Specification	4220	4228	4230	4235	4230Z	4235Z	4240Z	4250Z
Cutting range	200-200x200mm	280-280x280mm	300-300x300mm	350-350x350mm	90°:320x300 45°:200x220	90°:380x350mm 45°:240x220mm	90°:600x400mm 45°:400x300mm	90°:700x500mm 45°:500x400mm
Blade linear speed	27/45/69m/min	27/45/69m/min	27/45/69m/min	27/45/69m/min	27/45/69m/min	27/45/69m/min	27/45/69m/min	27/45/69m/min
Blade size(LxWxT)	2800x27x0.9mm	3505x27x0.9mm	3505x27x0.9mm	4115x34x1.1mm	3850x27x0.9mm	4525x34x1.1mm	5400x41x1.3mm	6200x41x1.3mm
Main motor power	1.5kw	2.2kw	2.2kw	3kw	3kw	4kw	4kw	5.5kw
Hydraulic motor power	0.55kw	0.55kw	0.55kw	0.55kw	0.55kw	0.55kw	1.5kw	1.5kw
Coolant power	40w	40w	40w	40w	40w	40w	125w	125w
Workpiece clamp type	Hydraulic vise	Hydraulic vise	Hydraulic vise	Hydraulic vise	Hydraulic vise	Hydraulic vise	Hydraulic vise	Hydraulic vise
Main drive structure	Worm gear	Worm gear	Worm gear	Worm gear	Worm gear	Worm gear	Worm gear	Worm gear
Workpiece feeding type	Scroll wheel	Scroll wheel	Scroll wheel	Scroll wheel	Scroll wheel	Scroll wheel	Scroll wheel	Scroll wheel
Overall size	1350x900x1200mm	1780x1050x1500mm	1780x1050x1500mm	1980x1110x1600mm	2000x1250x1500mm	2200x1300x1600mm	2400x1800x1850mm	2800x2000x2000mm
Packing size	1460x930x1270mm	1950x1100x1550mm	1950x1100x1550mm	2100x1160x1650mm	2100x1300x1550mm	2300x1350x1650mm	2460x1950x2000mm	2960x2150x2200mm



## FEATURES

- ◆ The CNC double-column metal band sawing machine is controlled by the imported PLC and 7" touch screen, and 5 sets data can be preset
- ◆ Manual and automatic integration, distributed operation, reasonable design, strong stability, high cutting efficiency, suitable for batch material sawing and bundle sawing

Description	4240	4250	4260	4280	4230	4235	4240	4250	4260
Cutting range	400-400x400mm	500-500x500mm	600-600x600mm	800-800x800mm	300-300x300mm	350-350x350mm	400-400x400mm	500-500x500mm	600-600x600mm
Blade linear speed	27/45/69m/min	27/45/69m/min	27/45/69m/min	27/45/69m/min	27/45/69m/min	27/45/69m/min	27/45/69m/min	27/45/69m/min	27/45/69m/min
Blade size(LxWxT)	5000x41x1.3mm	5800x41x1.3mm	6630x67x1.6mm	8220x67x1.6mm	3505x27x1.1mm	4115x34x1.1mm	5000x41x1.3mm	5800x41x1.3mm	6640x67x1.6mm
Main motor power	4kw	5.5kw	5.5kw	7.5kw	3kw	4kw	4kw	5.5kw	5.5kw
Hydraulic motor power	0.75kw	0.75kw	1.5kw	2.2kw	0.75kw	0.75kw	0.75kw	1.5kw	1.5kw
Coolant power	90w	90w	125w	125w	90w	90w	90w	90w	125w
Workpiece clamp type	Hydraulic vise	Hydraulic vise	Hydraulic vise	Hydraulic vise	Hydraulic vise	Hydraulic vise	Hydraulic vise	Hydraulic vise	Hydraulic vise
Main drive structure	Worm gear	Worm gear	Worm gear	Worm gear	Worm gear	Worm gear	Worm gear	Worm gear	Worm gear
Workpiece feeding type	Scroll wheel	Scroll wheel	Scroll wheel	Scroll wheel	Hydraulic auto	Hydraulic auto	Hydraulic auto	Hydraulic auto	Hydraulic auto
Overall size	2380x1200x1850mm	2780x1300x2000mm	3150x1350x2100mm	3360x2000x2600mm	1900x2380x1550mm	2000x2380x1600mm	2500x2280x2000mm	2780x2250x2000mm	3200x2250x2400mm
Packing size	2460x1270x2000mm	2960x1470x2200mm	3350x1400x2200mm	3500x2150x2700mm	1950x2450x1700mm	2200x2450x1700mm	2600x2300x2100mm	2960x2320x2200mm	3300x2300x2500mm

# BAND SAW MACHINE



BAND SAW MACHINE

BAND SAW MACHINE

Specification		GT-115	GT-125	GT -712N	GT-712R	GT-912B	GT -1018B
Capacity	Circular 90°	115mm	125 mm	178mm	178mm	229mm	254mm
	Rectangular 90°	100x150mm	150x125mm	178x305mm	178x210mm	178x305mm	127x457mm
	Circular 45°	75mm	95mm	127mm	127mm	150mm	150mm
	Rectangular 45°	70x60mm	95x75mm	120x125mm	85x140mm	127x150mm	150x190mm
Blade speed	60HZ	24,36,61MPM	24,36,61MPM	27,41,59,78MPM	27,41,59,78MPM	32,60,88,115MPM	35,60,88,115MPM
	50HZ	20,29,50MPM	20,29,50MPM	22,34,49,64MPM	22,34,49,64MPM	26,50,73,95MPM	29,50,73,95MPM
Blade size		12.5x0.6x1638mm	13.5x0.68x1638mm	19x0.9x2362mm	19x0.9x2362mm	27x0.9x2655mm	27x0.9x3280mm
Motor power		370w(1PH)	750w,380V	750w 1HP(3PH),1.1kw 1.5HP(1PH)		1.1kw 1.5HP(3PH,1PH)	1.5kw 2HP(3PH)
Drive type		V-Belt	V-Belt	V-Belt	V-Belt	V-Belt	V-Belt
Packing size		1020x320x390mm	950x450x550mm	1250x510x1150mm	1290x730x1150mm	1540x590x1150mm	1830x830x1150mm
N.w/G.w		61/64kg	90/100kg	145/178kg	170/192kg	230/260kg	310/385kg

# CIRCULAR SAW MACHINE



## AUTO CS-SA TYPE FEATURES

- ♦ Strong power, maintenance-free motor Cut off at the best position of the workpiece
- ♦ High-grade, anti-cracking moveable protection device provides the most suitable protection during cutting
- ♦ Center positioning, four-dimensional guidance, clamping table that can independently adjust the jaws
- ♦ Equipped with moveable cooling box and powerful cooling pump

## MANUAL CS TYPE FEATURES

- ♦ There are mounting holes on both sides of the machine table, which can be installed with workpiece brackets
- ♦ Equipped with moveable cooling box and powerful cooling pump
- ♦ Extended handle for labor-saving sawing
- ♦ Cut off at the best position of the workpiece
- ♦ Center positioning, four-dimensional guidance, clamping bench vise with independent jaw adjustment

Specification		GT275	GT275SA	GT315	GT315SA	GT350	GT350SA
Saw blade size	Max. diameter	φ275mm		φ315mm		φ350mm	
	Bore	φ40mm		φ40mm		φ40mm	
	Pin holes	2xφ8xPCD55mm		2xφ8xPCD55mm		2xφ8xPCD55mm	
0° Max. cutting capacity	Round	60mm		70mm		120mm	
	Square	60x60mm		70x70mm		120x120mm	
	Rectangular	100x60mm		130x70mm		135x110mm	
45° Max. cutting capacity	Round	60mm		70mm		110mm	
	Square	60x60mm		70x70mm		110x110mm	
	Rectangular	70x60mm		90x70mm		110x90mm	
Saw blade speed	96/48rpm		38/19rpm		38/19rpm		
Head rotation	±45°		±45°		±45°		
Clamping vice	double edge		double edge		double edge		
Max. vice opening	110mm		140mm		150mm		
Motor power	2.0/1.4kw (2/4 poles)		1.5/0.75kw (4/8 poles)		1.5/1.1kw (4/8 poles)		
Coolant pump power	40w/380V/50Hz		40w/380V/50Hz		40W/380V/50Hz		
Packing size	940x560x1470mm		980x630x1530mm		1000x630x1560mm		
	1040x560x1470mm		1100x630x1560mm		1130x650x1580mm		
N.w/G.w	175/200kg		235/265kg		260/290kg		
	210/245kg		270/320kg		290/345kg		
Standard accessories	Machine stand, coolant system, tool box with tools						
Optional accessories	Saw blade						

# HACK SAW MACHINE



HACK SAW MACHINE

HACK SAW MACHINE

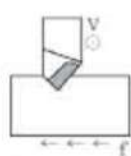
Specification		GT7125	GT7132	GT7140	GT7150
Capacity	Round bar	250mm	320mm	400mm	500mm
	Square bar	220x220mm	290x290mm	330x330mm	400x400mm
	Oblique saw	45°	45°	45°	45°
Sawing speed		39,49,63,78,98,126rpm	39,60,70rpm	39,60,70rpm	39,60,70rpm
Blade size		450x45x2.25mm	600x50x2.5mm	650x55x2.5mm	750x63x2.5mm
Main motor		2.4/3kw	3 kw	3kw	3kw
Coolant pump motor		0.04 kw, 2 poles	0.04 kw, 2 poles	0,04 kw, 2 poles	0,04 kw, 2 poles
Saw blade rapid down		0.25 kw, 4 poles	0.25 kw, 4 poles	0.25 kw, 4 poles	0.25 kw, 4 poles
Packing size		2000x950x1300mm	2440x1020x1600mm	2440x1020x1600mm	2440x1190x1760mm
N.w/G.w		600/830kg	1100/1350kg	1200/1450kg	1450/1700kg

# SHAPER MACHINE

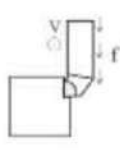


## FEATURES

- The machine has the characteristics of high cutting precision, strong rigidity and high efficiency  
Suitable for grinding cylindrical and conical workpieces
- The workpiece, cylindrical grinding wheel, oil pump and cooling pump by an independent motor drive
- Machine moving parts with electrical, hydraulic and the operation is safe and reliable



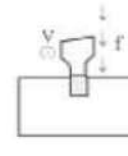
Planing surface



Planing vertical surface



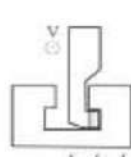
Planing inclined surface



Side straight groove



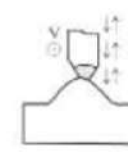
Planing V groove



Planing T-slot



Planing dovetail groove



Planing shaped surface

参数	Specification	635A	6050	6063/6066	6085	60100
最大刨削长度	Max. planing length	350mm	500mm	630/660mm	850mm	1000mm
滑枕底面到工作台面最大距离	Max. distance from ram bottom to working table	330mm	370mm	385mm	400mm	400mm
横向行程	Cross travel	400mm	525mm	630mm	710mm	800mm
垂直行程	Vertical travel	270mm	270mm	360mm	360mm	380mm
刀架行程	Tool post travel	110mm	120mm	120mm	160mm	160mm
滑枕往复次数 (每分钟)	Ram reciprocating times	32/50/80/125(per min.)	14/20/28/40/56/80(per min.)	14/20/28/40/56/80(per min.)	17/24/35/50/70/100(per min.)	15/20/29/42/58/83(per min.)
主电机功率	Main motor power	1.5kw	3kw	3kw	5.5kw	7.5kw
刀柄最大尺寸 (宽 × 厚)	Max. tool size (width×thickness)	20×30mm	20×30mm	20×30mm	30×45mm	30×45mm
T型槽尺寸	T-slots size	14mm	18mm	18mm	22mm	22mm
回转角度	Swivel angle	±90°(Without vice),±55°(With vice)	±60°(Toolpost)	±60°(Toolpost)	±60°(Toolpost)	±60°(Toolpost)
工作台尺寸	Worktable size	350×300mm	440×360mm	630×400/600×400mm	800×450mm	1000×500mm
外形尺寸 (长 × 宽 × 高)	Overall size (L×W×H)	1530×930×1370mm	2000×1250×1400mm	2000×1300×1550mm 2357×1225×1480mm	2950×1325×1693mm	3640×1575×1780mm
包装尺寸 (长 × 宽 × 高)	Package size (L×W×H)	1500×1000×1500mm	2000×1300×1600mm	2000/1300/1650mm	2450/1450/1800mm	3700×1600×1800mm
净重 / 毛重	N.w /G.w	1100/1250kg	1650/1760kg	1750/1870kg 1800/1920kg	2940/3050kg	4870/5150kg

# CNC SLOTTING MACHINE



## FEATURES

- ◆ Suitable for key slot, spline, blind hole, internal keyway processing
- ◆ The machine with CNC system and the 4th axis as option to realize the pin function of special workpieces , which greatly improves the applicable range and processing efficiency
- ◆ Good rigidity, large service life and can be widely used in machine tool and automobile manufacturing, all kinds of mechanical electrical and aerospace industries

Specification	GT5030	GT5032	GT5035	GT5040
The maximum length of ram	300mm	320mm	350mm	400mm
Ram adjustment stroke	300mm	315mm	200mm	315mm
Number of ram movement	30~150n/min	20~80n/min	0-70n/min	20~80n/min
Worktable size	550×405mm	800×610mm	750×510mm	800×610mm
Table travel(X/Y)	250×300mm	350×400mm	400×420mm	350×400mm
The distance between the support hole axis of the cutter and the front of column	505mm	600mm	625mm	600mm
The distance between the support surface of the cutter and the table	540(690)mm	540mm	700mm	620mm
X axis motor torque	6N.m	7.7N.m	10N.m	7.7N.m
Y axis motor torque	6N.m	7.7N.m	15N.m	7.7N.m
Rapid speed(X)	X:5m/min	X: 5m/min	X: 5m/min	X:5m/min
Rapid speed(Y)	Y:5m/min	Y: 5m/min	Y: 5m/min	Y:5m/min
Ball screw(X)	FFZD3205-3/P4	FFZD3205-3/P4	FFZD3205-3/P4	FFZD3205-3/P4
Ball screw(Y)	FFZD3205-3/P4	FFZD3205-3/P4	FFZD3205-3/P4	FFZD3205-3/P4
Main motor power	3.7kw	4kw	5.5kw	4kw
Packing size(LxWxH)	2300x2200x2300mm	2800x2400x2500mm	2600x2300x2500mm	2800x2400x2500mm
Machine weight(about)	2800kg	3700kg	3400kg	3700kg

# SLOTING MACHINE



SLOTING MACHINE

SLOTING MACHINE

## FEATURES

- The machine is used to process various parts of the plane, surface and keyway, and so on, single or small batch production workshop is the most suitable.
- The mechanism of the main transmission is that the rotary motion of the variable shank gear changes into the reciprocating motion of the ram. Table can be vertical, horizontal and rotary, mobile and manual feed. When the working table is in trouble, it will stop feeding automatically
- The machine is well designed, standardized, Universal, serialized, high degree, reasonable layout, compact structure, easy maintenance

Specification	GT5020	GT5032	GT5040
Max. cutting length	200mm	320mm	400mm
Max. interpolated inner hole	360mm	360mm	360mm
Table diameter	500mm	630mm	630mm
The number of reciprocations per minute of the ram	32, 50, 80, 125n/min	20,32,50,80n/min	20, 32, 50, 80n/min
Ram vertical adjustment stroke	230mm	315mm	315mm
Max. size of the plug(W×H)	25×40mm	25×40mm	25×40mm
Table rotary angle	360°	360°	360°
Max.worktable longitudinal travel (mechanic moving/hand moving)	400(450)mm	480(620)mm	620mm
Max.worktable cross travel (mechanic moving/hand moving)	450(500)mm	480(560)mm	560mm
Max. weight of the work piece	400kg	500kg	500kg
Max. cutting force	55000N	75000N	75000N
Work surface to the lower end of the carriage	320mm	490mm	690mm
Distance between the support surface of the cutter and the front wall of the bed	485mm	600mm	600mm
Worktable vertical and horizontal mechanic feed range	0.08-1.21mm	0.08-1.21mm	0.08-1.21mm
Worktable rotary mechanic feed range	0.052-0.783deg	0.052-0.783deg	0.052-0.783deg
Main motor speed	1430rpm	960rpm	960rpm
Main motor power	3kw	4kw	4kw
Overall dimension(L×W×H)	1916×1305×1995mm	2180×1505×2285mm	2290×1525×2485mm
Machine weight (about)	2200kg	3500kg	3700kg

# OPEN TYPE FIBER LASER CUTTING MACHINE



## FEATURES

- ▶ Laser power: 1000-4000W
- ▶ Heat treated thick welding machine body
- ▶ Aviation aluminium gantry
- ▶ UK VEICHI servo motor
- ▶ Shanghai Cypcut software

Specification	GT1530	GT1545	GT2040	GT2060	GT2560
Cutting range	1530x3050mm	1530x4550mm	2030x4050mm	2030x6050mm	2530x6050mm
Laser power	1000W-4000W				
Linkage speed	120m/min				
Acceleration	1.0G				
Positional accuracy	±0.03mm				
Re-Positional accuracy	±0.02mm				
Input power	380V/50Hz/60Hz 3Phase				

# OPEN TYPE PLATES & PIPES FIBER LASER CUTTING MACHINE

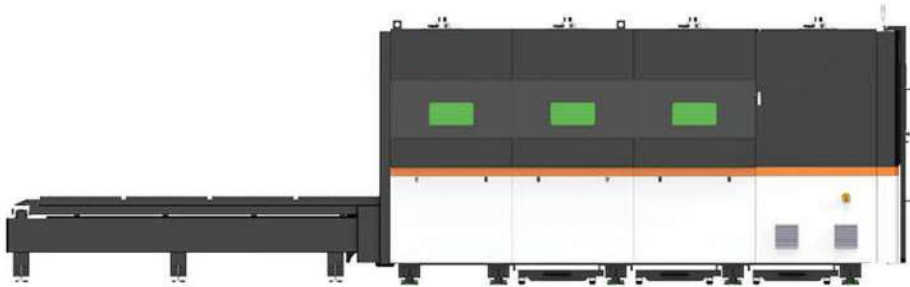


## FEATURES

- ▶ Laser power: 1000-4000W
- ▶ Heat treated thick welding machine body
- ▶ Aviation aluminium gantry
- ▶ UK VEICHI servo motor
- ▶ Shanghai Cypcut & Tubepro software

Specification	GT1530T	GT1545T	GT2040T	GT2060T	GT2560T
Cutting range	1530x3050mm	1530x4550mm	2030x4050mm	2030x6050mm	2530x6050mm
Laser power	1000W-4000W				
Linkage speed	100m/min				
Acceleration	1.0G				
Clamping range	T160:Φ10-160mm			T240:Φ10-240mm	
Processing Length of the pipe	3m/6m				
Max. loading pipe	T160:160Kg 16Kg/m			T240:300Kg 30Kg/m	
Input power	380V/50Hz/60Hz 3Phase				

# G FULLY ENCLOSED EXCHANGE TABLE FIBER LASER CUTTING MACHINE



FIBER LASER CUTTING MACHINE

FIBER LASER CUTTING MACHINE

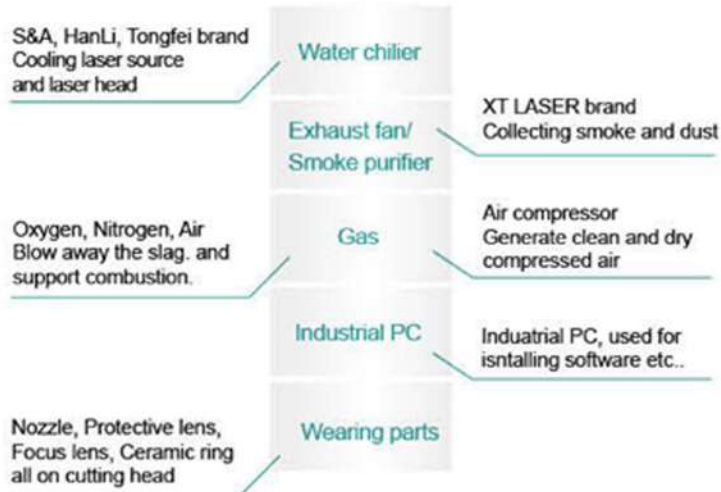
Specification	G1530	G2040	G2060	G2560
Cutting range	1530X3050mm	2000×4050mm	2000×6050mm	2530×6050mm
Laser power	1500W-6000W	1500W-6000W	1500W-6000W	1500W-6000W
Linkage speed	140m/min	140m/min	140m/min	140m/min
Acceleration	1.5G	1.5G	1.5G	1.5G
Positional accuracy	±0.03mm	±0.03mm	±0.03mm	±0.03mm
Re-Positional accuracy	±0.02mm	±0.02mm	±0.02mm	±0.02mm
Pallet exchange time	25s	30s	35s	35s
Input power	380V/50Hz/60Hz 3Phase			

- Laser power: 1500-6000W
- Plate welding machine body
- Aviation aluminum gantry
- Japan Fuji servo motor
- Shanghai Cypcut/CypcutE software
- Full enclosure and exchange table

## FINISHED WORKPIECES



## AUXILIARY SYSTEM



## LASER CUTTING HEAD



Precitec: Pro Cutter/ Light Cutter, auto focus

Raytools: Manual and auto focus



BOCI: auto focus



## TRANSMISSION SYSTEM



## LASER SOURCE



# HYDRAULIC PRESS BRAKE



## GT67K SERIES CNC HYDRAULIC PRESS BRAKE

- ◆ Special CNC system for press brake(double axes)
- ◆ The drive element of backgauge adopts imported ball screw and linear guideway
- ◆ The equipment of automatic hydraulic crowning system can compensate the bending to leranc caused by the ram torsion.



## GT67Y SERIES HYDRAULIC PRESS BRAKE

- ◆ Total steel-welded structure and stress elimination by vibration, High mechanical strength and good rigidity.
- ◆ Hydraulic top-drive, stepless pressure adjustment and high quality sealing rings imported from overseas to ensure the machine tools reliability.
- ◆ Mechanical stop and steel torsion bar to maintain synchronization and high precision.
- ◆ The stroke and distance of the backgauge is adjusted by the motor and is well adjusted by hand, the adjustment is displayed by digital meters.
- ◆ Deflection compensation device is provided for the upper die (The lower die is option for pressure 250T above)
- ◆ Safe fence and the electric interlocker have been designed for the machine to ensure the operation safety.

HYDRAULIC PRESS BRAKE

HYDRAULIC PRESS BRAKE

	Nominal pressure	Length of work table	Distance between uprights	Throat depth	Stroke	Open height	Motor power
67Y/K-30/1600	300 kN	1600 mm	1250 mm	200 mm	90 mm	300 mm	4 kw
67Y/K-40/2000	400 kN	2000 mm	1650 mm	250 mm	100 mm	330 mm	5.5 kw
67Y/K-40/2500	400 kN	2500 mm	2100 mm	250 mm	100 mm	330 mm	5.5 kw
67Y/K-63/2500	630 kN	2500 mm	2100 mm	250 mm	120 mm	340 mm	5.5 kw
67Y/K-63/3200	630 kN	3200 mm	2450 mm	250 mm	120 mm	340 mm	5.5 kw
67Y/K-80/2500	800 kN	2500 mm	2100 mm	250 mm	120 mm	380 mm	7.5 kw
67Y/K-80/3200	800 kN	3200 mm	2450 mm	250 mm	120 mm	380 mm	7.5 kw
67Y/K-100/2500	1000 kN	2500 mm	2100 mm	320 mm	120 mm	380 mm	7.5 kw
67Y/K-100/3200	1000 kN	3200 mm	2450 mm	320 mm	120 mm	380 mm	7.5 kw
67Y/K-100/4000	1000 kN	4000 mm	3090 mm	320 mm	120 mm	380 mm	7.5 kw
67Y/K-125/2500	1250 kN	2500 mm	2100 mm	320 mm	120 mm	380 mm	7.5 kw
67Y/K-125/3200	1250 kN	3200 mm	2450 mm	320 mm	120 mm	380 mm	7.5 kw
67Y/K-125/4000	1250 kN	4000 mm	3090 mm	320 mm	120 mm	380 mm	7.5 kw
67Y/K-160/3200	1600 kN	3200 mm	2450 mm	320 mm	180 mm	440 mm	11 kw
67Y/K-160/4000	1600 kN	4000 mm	3090 mm	320 mm	180 mm	440 mm	11 kw
67Y/K-200/3200	2000 kN	3200 mm	2450 mm	350 mm	200 mm	465 mm	15 kw
67Y/K-200/4000	2000 kN	4000 mm	3090 mm	350 mm	200 mm	465 mm	15 kw
67Y/K-200/6000	2000 kN	6000 mm	4800 mm	350 mm	200 mm	465 mm	15 kw
67Y/K-250/3200	2500 kN	3200 mm	2450 mm	400 mm	250 mm	500 mm	18.5 kw
67Y/K-250/4000	2500 kN	4000 mm	3090 mm	400 mm	250 mm	500 mm	18.5 kw
67Y/K-250/6000	2500 kN	6000 mm	4800 mm	400 mm	250 mm	500 mm	18.5 kw
67Y/K-300/3200	3000 kN	3200 mm	2530 mm	400 mm	250 mm	500 mm	22 kw
67Y/K-300/4000	3000 kN	4000 mm	3090 mm	400 mm	250 mm	535 mm	22 kw
67Y/K-300/6000	3000 kN	6000 mm	4800 mm	400 mm	250 mm	535 mm	22 kw
67Y/K-400/4000	4000 kN	4000 mm	3090 mm	400 mm	320 mm	600 mm	22 kw
67Y/K-400/6000	4000 kN	6000 mm	4800 mm	400 mm	300 mm	600 mm	37 kw
67Y/K-500/4000	5000 kN	4000 mm	3100 mm	400 mm	300 mm	600 mm	45 kw
67Y/K-500/6000	5000 kN	6000 mm	4800 mm	400 mm	300 mm	600 mm	45 kw
67Y/K-600/4000	6000 kN	4000 mm	6200 mm	400 mm	300 mm	600 mm	45 kw
67Y/K-600/6000	6000 kN	6000 mm	4800 mm	400 mm	300 mm	600 mm	45 kw

## 2 GT67K SERIES DUAL LINKED CNC HYDRUALIC PLATE PRESS



- Use two or more than two WC67K series machines, providing duplex linked or multiplex synchronous device
- The linked braked can produce unususly long workpieces, especially suitable for city building, expressway lamp poles, automobile beams and so on
- The linked brake can be used alone, in order to raise production efficiency
- We can desgin and produce for special order

Model	Nominal Pressure	Length of working table	Distance between uprights	Throat depth	Stroke	The Max open height between table and sliding bloke		Motor power	Dimension
2-320/5000	2×3200 kN	2×5000 mm	4300 mm	400mm	250mm		560mm	2×22kw	2×5060x2570x4560mm
2-320/6000	2×3200 kN	2×6000 mm	5300 mm	400mm	200mm		500mm	2×22kw	2×6060x2570x4560mm
2-400/4000	2×4000 kN	2×4000 mm	3100 mm	400mm	320mm		625mm	2×37kw	2×4140x3240x3880mm
2-400/5000	2×4000 kN	2×5000 mm	4210 mm	400mm	320mm		625mm	2×37kw	2×5050x3240x3880mm
2-500/4000	2×5000 kN	2×4000 mm	3100 mm	400mm	320mm		630mm	2×37kw	2×4090x2965x5320mm
2-500/5000	2×5000 kN	2×5000 mm	4100 mm	400mm	320mm		630mm	2×37kw	2×6530x2965x5320mm
2-500/6000	2×5000 kN	2×6000 mm	5100 mm	400mm	320mm		630mm	2×37kw	2×6090x2965x5320mm
2-630/5000	2×6300 kN	2×5000 mm	4100 mm	400mm	320mm		710mm	2×45kw	2×5050x4910x3200mm
2-630/6000	2×6300 kN	2×6000 mm	5100 mm	400mm	320mm		710mm	2×45kw	2×6050x4910x3200mm
2-800/8000	2×8000 kN	2×8000 mm	6700 mm	400mm	100mm		750mm	2×55kw	2×9500x3000x6050mm

# GT12Y/K SERIES HYDRAULIC SWING BEAM SHEAR



## FEATURES

- Total steel-welded structure and stress elimination by vibration, hydraulic drive and accumulator return stroke, reliable performance
- NG system and position coder form a closed ring control system, characterized by high accuracy and good stability, it is capable of ensuring the accuracy of the backgauge displacement
- Safe fence and the electric interlocker have been designed for the machine to ensure the operation safety.

Model	Shear Thickness	Shear Width	Shear Angle	Number of Stroke	Backgauge Range	Main Power
12Y/K-4×2500	4 mm	2500 mm	1°-30'	20 min <sup>-1</sup>	10-500 mm	5.5 kw
12Y/K-4×3200	4 mm	3200 mm	1°-30'	18 min <sup>-1</sup>	10-500 mm	5.5 kw
12Y/K-4×4000	4 mm	4000 mm	1°-30'	12 min <sup>-1</sup>	10-500 mm	5.5 kw
12Y/K-4×6000	4 mm	6000 mm	1°-30'	7 min <sup>-1</sup>	20-600 mm	7.5 kw
12Y/K-6×2500	6 mm	2500 mm	1°-30'	18 min <sup>-1</sup>	10-600 mm	7.5 kw
12Y/K-6×3200	6 mm	3200 mm	1°-30'	16 min <sup>-1</sup>	10-600 mm	7.5 kw
12Y/K-6×4000	6 mm	4000 mm	1°-30'	10 min <sup>-1</sup>	10-600 mm	7.5 kw
12Y/K-6×6000	6 mm	6000 mm	1°-30'	7 min <sup>-1</sup>	20-800 mm	11 kw
12Y/K-8×2500	8 mm	2500 mm	1°-30'	14 min <sup>-1</sup>	10-600 mm	7.5 kw
12Y/K-8×3200	8 mm	3200 mm	1°-30'	10 min <sup>-1</sup>	10-600 mm	11 kw
12Y/K-8×4000	8 mm	4000 mm	1°-30'	8 min <sup>-1</sup>	10-600 mm	11 kw
12Y/K-8×6000	8 mm	6000 mm	1°-30'	6 min <sup>-1</sup>	20-800 mm	15 kw
12Y/K-10×2500	10 mm	2500 mm	1°-30'	12 min <sup>-1</sup>	20-600 mm	11 kw
12Y/K-10×3200	10 mm	3200 mm	1°-30'	10 min <sup>-1</sup>	20-600 mm	11 kw
12Y/K-10×4000	10 mm	4000 mm	1°-30'	8 min <sup>-1</sup>	20-600 mm	15 kw
12Y/K-12×2500	12 mm	2500 mm	2°	10 min <sup>-1</sup>	20-600 mm	18.5 kw
12Y/K-12×3200	12 mm	3200 mm	2°	9 min <sup>-1</sup>	20-600 mm	18.5 kw
12Y/K-12×4000	12 mm	4000 mm	2°	8 min <sup>-1</sup>	20-600 mm	18.5 kw
12Y/K-12×6000	12 mm	6000 mm	2°	4 min <sup>-1</sup>	20-800 mm	22 kw
12Y/K-16×2500	16 mm	2500 mm	2°	9 min <sup>-1</sup>	20-600 mm	18.5 kw
12Y/K-16×3200	16 mm	3200 mm	2°	8 min <sup>-1</sup>	20-600 mm	18.5 kw
12Y/K-16×4000	16 mm	4000 mm	2°	7 min <sup>-1</sup>	20-600 mm	18.5 kw
12Y/K-16×6000	16 mm	6000 mm	2°	4 min <sup>-1</sup>	20-800 mm	22 kw
12Y/K-20×2500	20 mm	2500 mm	2°30'	5 min <sup>-1</sup>	20-800 mm	22 kw
12Y/K-20×3200	20 mm	3200 mm	2°30'	4 min <sup>-1</sup>	20-800 mm	22 kw
12Y/K-20×4000	20 mm	4000 mm	2°30'	4 min <sup>-1</sup>	20-800 mm	22 kw
12Y/K-25×2500	25 mm	2500 mm	3°	5 min <sup>-1</sup>	20-800 mm	30 kw
12Y/K-25×3200	25 mm	3200 mm	3°	4 min <sup>-1</sup>	20-800 mm	30 kw

HYDRAULIC SWING BEAM SHEAR

HYDRAULIC SWING BEAM SHEAR

# GT11Y/K SERIES CNC HYDRAULIC GUILLOTINE SHEAR

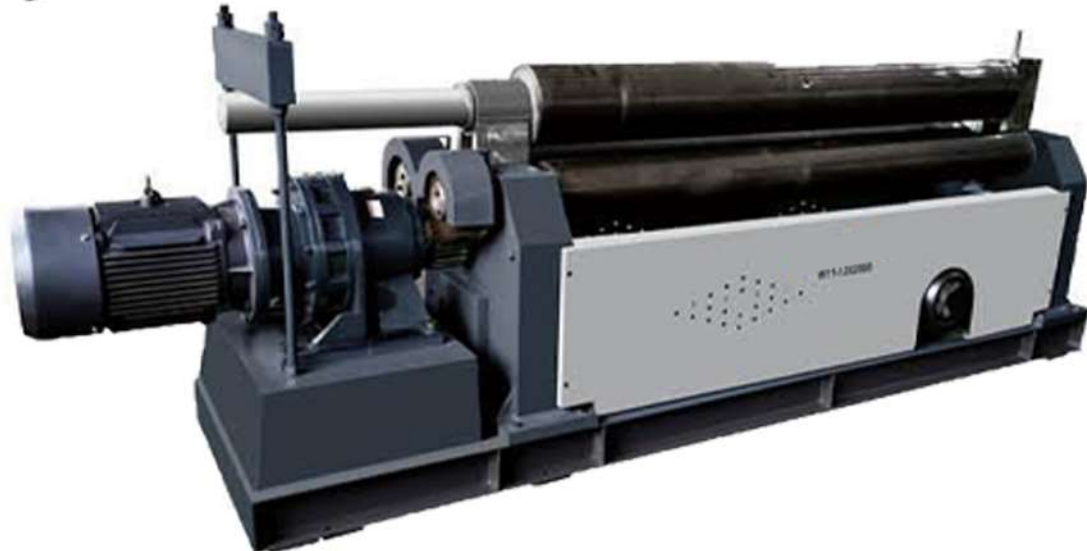


## FEATURES

- The main body adopts the structure of QC11Y series hydraulic guillotine shearing machine
- The control system adopts ESTUN is special for shearing machine
- The rear gear screw adopts imported ball screw and linear guide rail
- Other control systems can be selected according to the customer needs

Model	Shear Thickness	Shear Width	Shear Angle	Number of Stroke	Backgauge Range	Main Power
11Y/K-6×2500	6 mm	2500 mm	30°-1°30'	16-35 min <sup>-1</sup>	10-600 mm	7.5 kw
11Y/K-6×3200	6 mm	3200 mm	30°-1°30'	14-32 min <sup>-1</sup>	10-600 mm	7.5 kw
11Y/K-6×4000	6 mm	4000 mm	30°-1°30'	10-30 min <sup>-1</sup>	10-600 mm	7.5 kw
11Y/K-6×6000	6 mm	6000 mm	30°-1°30'	8-25 min <sup>-1</sup>	10-800 mm	11 kw
11Y/K-8×2500	8 mm	2500 mm	30°-1°30'	14-32 min <sup>-1</sup>	10-600 mm	7.5 kw
11Y/K-8×3200	8 mm	3200 mm	30°-1°30'	12-30 min <sup>-1</sup>	10-600 mm	11 kw
11Y/K-8×4000	8 mm	4000 mm	30°-1°30'	10-25 min <sup>-1</sup>	10-600 mm	11 kw
11Y/K-8×6000	8 mm	6000 mm	1°-2°	8-20 min <sup>-1</sup>	20-800 mm	15 kw
1Y/K-12×2500	12 mm	2500 mm	1°-2°	12-25 min <sup>-1</sup>	20-600 mm	18.5 kw
1Y/K-12×3200	12 mm	3200 mm	1°-2°	10-22 min <sup>-1</sup>	20-600 mm	18.5 kw
1Y/K-12×4000	12 mm	4000 mm	1°-2°	8-20 min <sup>-1</sup>	20-600 mm	18.5 kw
1Y/K-12×6000	12 mm	6000 mm	1°-2°30'	6-15 min <sup>-1</sup>	20-800 mm	22 kw
1Y/K-16×2500	16 mm	2500 mm	1°-2°30'	12-22 min <sup>-1</sup>	20-600 mm	18.5 kw
1Y/K-16×3200	16 mm	3200 mm	1°-2°30'	10-20 min <sup>-1</sup>	20-600 mm	18.5 kw
1Y/K-16×4000	16 mm	4000 mm	1°-2°30'	8-15 min <sup>-1</sup>	20-600 mm	18.5 kw
1Y/K-16×6000	16 mm	6000 mm	1°-3°	6-15 min <sup>-1</sup>	20-800 mm	22 kw
1Y/K-20×2500	20 mm	2500 mm	1°-3°	8-20 min <sup>-1</sup>	20-800 mm	22 kw
1Y/K-20×3200	20 mm	3200 mm	1°-3°	8-15 min <sup>-1</sup>	20-800 mm	22 kw
1Y/K-20×4000	20 mm	4000 mm	1°-3°	6-12 min <sup>-1</sup>	20-800 mm	30 kw
1Y/K-25×2500	25 mm	2500 mm	1°-3°	5-12 min <sup>-1</sup>	20-800 mm	30 kw
1Y/K-25×3200	25 mm	3200 mm	1°-3°	5-10 min <sup>-1</sup>	20-800 mm	30 kw
1Y/K-25×4000	25 mm	4000 mm	1°-3°	6-12 min <sup>-1</sup>	20-1000 mm	37 kw
1Y/K-32×2500	32 mm	2500 mm	1°-3°30'	5-12 min <sup>-1</sup>	20-1000 mm	37 kw
1Y/K-32×3200	32 mm	3200 mm	1°-3°30'	5-10 min <sup>-1</sup>	20-1000 mm	37 kw
1Y/K-32×4000	32 mm	4000 mm	1°-3°30'	8-12 min <sup>-1</sup>	20-1000 mm	55 kw
1Y/K-40×2500	40 mm	2500 mm	2°-4°	4-10 min <sup>-1</sup>	20-1000 mm	55 kw
1Y/K-40×3200	40 mm	3200 mm	2°-4°	4-10 min <sup>-1</sup>	20-1000 mm	55 kw
1Y/K-40×4000	40 mm	4000 mm	2°-4°	4-10 min <sup>-1</sup>	20-1000 mm	55 kw

# W11 SERIES MECHANICAL 3-ROLLER SYMMETRICAL PLATE ROLLING MACHINE

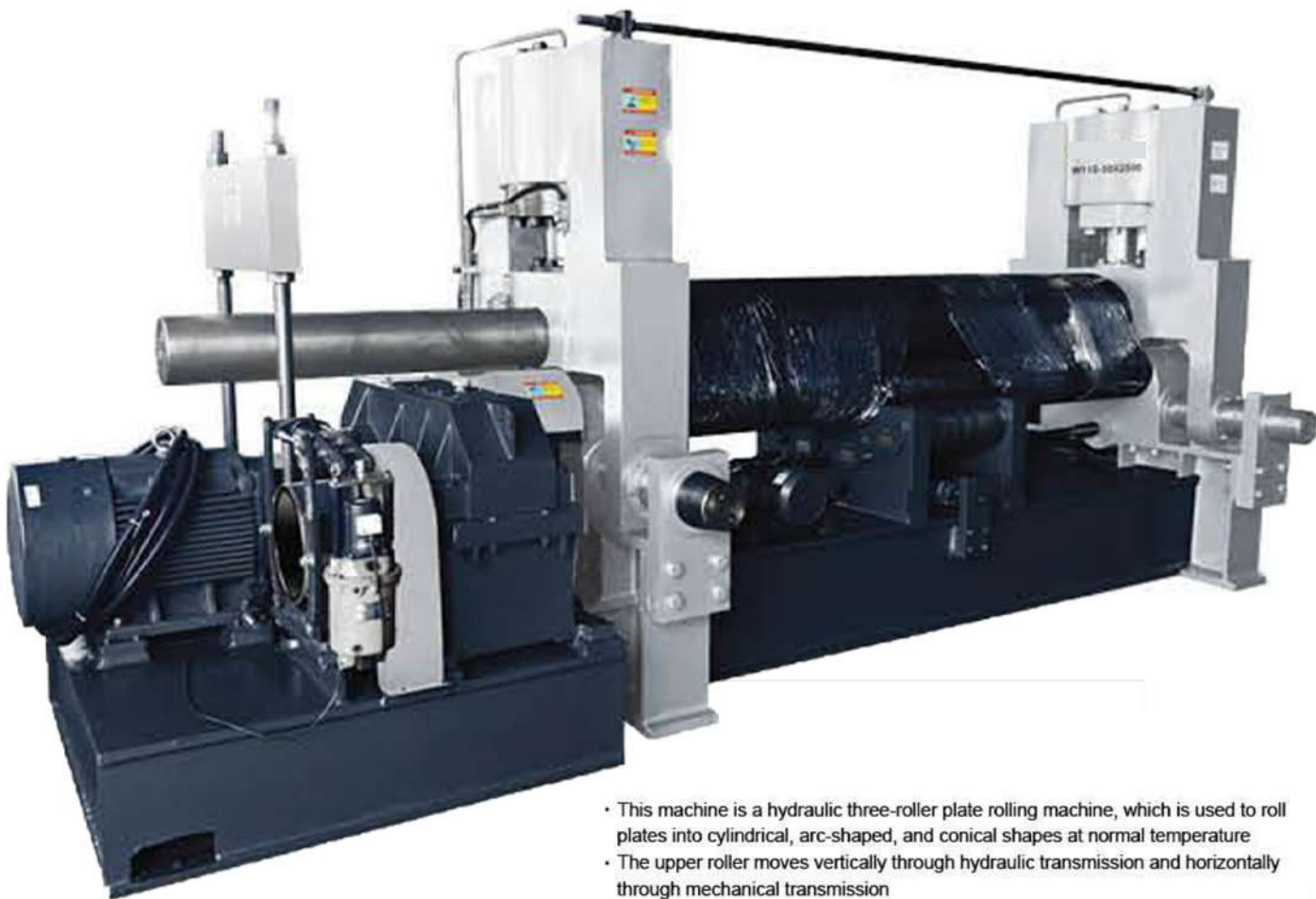


ROLLING MACHINE

ROLLING MACHINE

Model	Max.rolling thickness	Max.rolling width	Diameter of top roller	Diameter of bottom roller	Central distance between bottom roller	Min full loading diameter of coiled plate	Rolling speed	Motor power
W11-4x1500	4mm	1500mm	150mm	120mm	180mm	300mm	5m/min	3kw
W11-4x2000	4mm	2000mm	160mm	140mm	220mm	450mm	4m/min	4kw
W11-4x2500	4mm	2500mm	180mm	150mm	220mm	450mm	4.5m/min	4kw
W11-6x1500	6mm	1500mm	160mm	140mm	220mm	450mm	5m/min	4kw
W11-6x2000	6mm	2000mm	170mm	150mm	220mm	400mm	4m/min	4kw
W11-6x2500	6mm	2500mm	190mm	150mm	240mm	500mm	4.5m/min	5.5kw
W11-6x3000	6mm	3000mm	220mm	160mm	240mm	600mm	4m/min	5.5kw
W11-6x3200	6mm	3200mm	220mm	160mm	240mm	600mm	4m/min	5.5kw
W11-8x2000	8mm	2000mm	180mm	150mm	240mm	500mm	4m/min	5.5kw
W11-8x2500	8mm	2500mm	220mm	160mm	240mm	600mm	4m/min	5.5kw
W11-8x3000	8mm	3000mm	250mm	180mm	280mm	400mm	4m/min	7.5kw
W11-10x2000	10mm	2000mm	220mm	180mm	280mm	550mm	4m/min	7.5kw
W11-12x2000	12mm	2000mm	240mm	180mm	280mm	600mm	4m/min	7.5kw
W11-12x2500	12mm	2500mm	260mm	220mm	320mm	600mm	4m/min	7.5kw
W11-12x3000	12mm	3000mm	280mm	240mm	300mm	700mm	4m/min	11kw
W11-12x3200	12mm	3200mm	280mm	240mm	300mm	700mm	4m/min	11kw
W11-16x2000	16mm	2000mm	260mm	260mm	320mm	700mm	4m/min	7.5kw
W11-16x2500	16mm	2500mm	280mm	240mm	360mm	700mm	4m/min	11kw
W11-16x3000	16mm	3000mm	340mm	260mm	430mm	800mm	4m/min	15kw
W11-16x3200	16mm	3200mm	340mm	260mm	430mm	800mm	4m/min	15kw
W11-20x2000	20mm	2000mm	280mm	240mm	360mm	700mm	4m/min	15kw
W11-20x2500	20mm	2500mm	340mm	260mm	430mm	850mm	4m/min	15kw
W11-25x2000	25mm	2000mm	340mm	260mm	430mm	900mm	4m/min	15kw
W11-25x2500	25mm	2500mm	370mm	270mm	480mm	1200mm	4m/min	22kw
W11-30x2500	30mm	2500mm	420mm	360mm	550mm	1200mm	4m/min	30kw
W11-30x3000	30mm	3000mm	450mm	360mm	600mm	1200mm	4m/min	37kw

# WIIS SERIES UPPER ROLLER UNIVERSAL PLATE ROLLING MACHINE



- This machine is a hydraulic three-roller plate rolling machine, which is used to roll plates into cylindrical, arc-shaped, and conical shapes at normal temperature
- The upper roller moves vertically through hydraulic transmission and horizontally through mechanical transmission
- Pre-bending is achieved by moving the upper roller horizontally so that the upper roller is in an asymmetrical position relative to the lower roller
- When rounding, the two lower rollers are driven by the motor and the reducer
- Since the elevation of the lower roller remains unchanged, it is convenient for feeding and operation.
- The tipping frame adopts hydraulic tipping
- It adopts PLC programmable display control
- It can be added a cone device to roll cones within a certain range

Model	Pressure on the upper roller	Diameter of upper roller	Diameter of lower roller	Central distance	Driving power	Hydraulic power	Moving power
W11S-12 x 2000	65t	250mm	145mm	200mm	5.5kw	4kw	0.75kw
W11S-16 x 2000	75t	260mm	150mm	245mm	7.5kw	4kw	1.5kw
W11S-16 x 2500	100t	300mm	165mm	270mm	11kw	5.5kw	2.2kw
W11S-20 x 2000	130t	300mm	165mm	270mm	11kw	5.5kw	2.2kw
W11S-20 x 2500	130t	330mm	180mm	300mm	15kw	5.5kw	2.2kw
W11S-20 x 3000	160t	375mm	200mm	330mm	18.5kw	7.5kw	2.2kw
W11S-25 x 2500	190t	380mm	220mm	360mm	22kw	7.5kw	4kw
W11S-25 x 3000	230t	420mm	235mm	380mm	30kw	11kw	4kw
W11S-25 x 3500	230t	440mm	235mm	380mm	30kw	11kw	4kw
W11S-30 x 2500	230t	410mm	235mm	380mm	30kw	11kw	4kw
W11S-30 x 3000	270t	450mm	250mm	400mm	37kw	15kw	4kw
W11S-30 x 3500	320t	480mm	260mm	420mm	37kw	15kw	5.5kw
W11S-30 x 4000	380t	550mm	275mm	460mm	45kw	22kw	5.5kw
W11S-35 x 2500	270t	450mm	250mm	400mm	37kw	15kw	4kw
W11S-35 x 3000	380t	500mm	275mm	460mm	45kw	22kw	5.5kw
W11S-40 x 2500	380t	500mm	270mm	420mm	37kw	18.5kw	7.5kw
W11S-40 x 3200	430t	540mm	290mm	500mm	45kw	22kw	7.5kw
W11S-40 x 3500	460t	580mm	290mm	500mm	55kw	22kw	11kw
W11S-40 x 4000	540t	630mm	340mm	610mm	55kw	22kw	11kw
W11S-45 x 2500	430t	520mm	290mm	500mm	55kw	22kw	7.5kw
W11S-45 x 3000	540t	590mm	340mm	610mm	55kw	22kw	11kw
W11S-45 x 4000	610t	660mm	360mm	650mm	75kw	30kw	15kw
W11SNC-50 x 2500	540t	580mm	340mm	610mm	55kw	22kw	11kw
W11SNC-50 x 3000	540t	620mm	360mm	650mm	55kw	22kw	11kw
W11SNC-50 x 4000	690t	700mm	380mm	700mm	75kw	30kw	15kw
W11SNC-55 x 3000	610t	620mm	360mm	650mm	75kw	30kw	15kw
W11SNC-55 x 4000	850t	750mm	420mm	780mm	90kw	37kw	15kw

ROLLING MACHINE

ROLLING MACHINE

# W12 SERIES 4 ROLLER PLATE ROLLING MACHINE



ROLLING MACHINE

ROLLING MACHINE

Model	Max.rolling thickness	Max. pre-bending thickness	Max.rolling width	Diameter of top roller	Diameter of bottom roller	Diameter of side rollers	Min. full loading diameter of coiled plate	Rolling speed	Motor power
W12-6x1500	6mm	4mm	1500mm	170mm	160mm	150mm	300mm	4m/min	4kw
W12-6x2000	6mm	4mm	2000mm	190mm	180mm	170mm	400mm	4m/min	4kw
W12-8x2000	8mm	6mm	2000mm	210mm	190mm	180mm	400mm	4m/min	5.5kw
W12-12x2000	12mm	8mm	2000mm	260mm	240mm	200mm	450mm	4.5m/min	7.5kw
W12-12x2500	12mm	8mm	2500mm	280mm	260mm	220mm	500mm	4.5m/min	11kw
W12-16x2000	16mm	12mm	2000mm	280mm	260mm	220mm	480mm	4.5m/min	11kw
W12-16x2500	16mm	12mm	2500mm	300mm	280mm	220mm	500mm	4.5m/min	11kw
W12-20x2000	20mm	16mm	2000mm	300mm	280mm	220mm	500mm	5m/min	15kw
W12-20x2500	20mm	16mm	2500mm	350mm	320mm	280mm	600mm	5m/min	18.5kw
W12-20x3200	20mm	16mm	3200mm	400mm	340mm	300mm	600mm	5m/min	22kw
W12-25x2500	25mm	20mm	2500mm	400mm	340mm	300mm	600mm	4m/min	22kw
W12-30x2500	30mm	25mm	2500mm	430mm	380mm	320mm	700mm	4m/min	30kw
W12-40x2500	40mm	30mm	2500mm	520mm	460mm	380mm	900mm	4m/min	37kw

# PRESS MACHINE



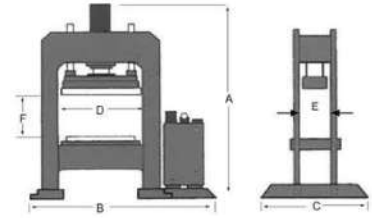
## HYDRAULIC PRESS

Model	Capacity	Pressure	Travel	Table size	Dimension	N.W
-10	100kn	25mpa	200mm+200mm	260x300mm	1000x450x1200mm	220kg
-20	200kn	25mpa	200mm+250mm	260x300mm	1160x550x1500mm	320kg
-30	300kn	25mpa	200mm+270mm	300x400mm	1160x550x1600mm	420kg
-50	500kn	25mpa	220mm+405mm	480x360mm	1500x650x1950mm	980kg
-63	630kn	30mpa	220mm+405mm	400x500mm	1500x650x1950mm	1020kg
-100	1000kn	30mpa	220mm+405mm	440x980mm	1730x730x2200mm+730x630x960mm	1220kg
-150	1500kn	30mpa	220mm+405mm	440x980mm	1730x730x2200mm+730x630x960mm	1350kg
-200	2000kn	30mpa	300mm+405mm	500x980mm	1800x800x2200mm+830x730x1260mm	2200kg
-250	2500kn	30mpa	300mm+405mm	500x980mm	1800x800x2250mm+830x730x1260mm	2400kg

## MANUAL PRESS

Model	Capacity	Pressure	Travel	Table size	Dimension	N.W
-10S	100kn	50mpa	180mm+450mm	200x300mm	700x450x1300mm	180/230kg
-20S	200kn	50mpa	200mm+450mm	200x300mm	700x450x1300mm	220/270kg
-30S	300kn	50mpa	200mm+450mm	300x400mm	750x500x1500mm	260/310kg
-40S	400kn	60mpa	250mm+450mm	360x500mm	1100x650x1500mm	320/370kg
-50S	500kn	60mpa	250mm+450mm	360x680mm	1100x650x1750mm	460/510kg

Model	A	B	C	D	E	F
-20	1400mm	1100mm	450mm	500mm	140mm	490mm
-30	1460mm	1100mm	450mm	500mm	160mm	490mm
-50	1750mm	1300mm	550mm	800mm	200mm	540mm
100	1950mm	1550mm	750mm	1000mm	270mm	540mm
150	2250mm	1600mm	750mm	1000mm	270mm	790mm
200	2250mm	2100mm	850mm	1000mm	300mm	790mm
300	2450mm	2450mm	1200mm	1200mm	350mm	600mm
500	2790mm	2700mm	1300mm	1200mm	400mm	600mm

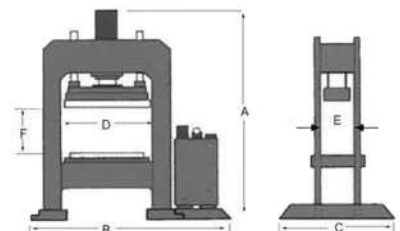


## HYDRAULIC BENDING MACHINE



Model	Capacity	Pressure	Travel	Table size	Dimension	N.W
-20	200kn	25mpa	200+270mm	200x360mm	1060x500x1400mm	550kg
-30	300kn	25mpa	300+270mm	300x400mm	1160x550x1600mm	650kg
-50	500kn	25mpa	220+405mm	400x800mm	1500x650x1950mm	1100kg
-63	630kn	30mpa	220+405mm	400x800mm	1500x650x1950mm	1200kg
-1010	1000kn	30mpa	220+405mm	460x980mm	1730x730x2250mm+730x630x960mm	1420kg
-150	1500kn	30mpa	220+405mm	460x980mm	1730x730x2250mm+730x630x960mm	1750kg
-200	2000kn	30mpa	300+405mm	500x1000mm	1940x950x2350mm+900x800x1060mm	2400kg
-300	3000kn	30mpa	300+405mm	700x1200mm	2100x950x2700mm+1100x1200x1350mm	4200kg
-100 (double cylinder)	1000kn	30mpa	300+405mm	420x1300mm	2100x750x2250mm+630x730x960mm	2100kg
-150 (double cylinder)	1500kn	30mpa	300+405mm	420x1300mm	2100x750x2250mm+630x730x960mm	2400kg

Model	A	B	C	D	E	F
-20	1400mm	1100mm	450mm	500mm	140mm	490mm
-30	1460mm	1100mm	450mm	500mm	160mm	490mm
-50	1750mm	1300mm	550mm	800mm	200mm	540mm
-1010	1950mm	1550mm	750mm	1000mm	270mm	540mm
-150	1950mm	1600mm	750mm	1000mm	270mm	790mm
-200	2250mm	2100mm	850mm	1000mm	300mm	790mm
-300	2450mm	2450mm	1200mm	1200mm	350mm	600mm
-500	2790mm	2700mm	1399mm	1200mm	400mm	600mm



# FOUR COLUMN HYDRAULIC PRESS



## FEATURES

- ◆ Four-column structure is simple, economical and the frame structure has good rigidity, high precision, and strong anti-eccentric load capability.
- ◆ The hydraulic control adopts an integral cartridge valve system to reduce leakage points, reliable operation and long service life.
- ◆ The electrical system controlled by PLC is compact, sensitive, reliable and flexible
- ◆ The working pressure and stroke can be adjusted according to the process requirements within the specified range, and the operation is simple

Model	Pressure	Travel	Max. opening and closing	Table size	Power	Packing size	G/N.W
30F1	300 KN	300 mm	500 mm	400x400 mm	3 kw	800x700x2100 mm 800x750x1200 mm	940/850 kg
40F1	400 KN	300 mm	500 mm	400x400 mm	3 kw	800x700x2100 mm 800x750x1200 mm	1120/1030 kg
50F1	500 KN	300 mm	600 mm	500x500 mm	4 kw	900x800x2200 mm 900x850x1400 mm	1620/1520 kg
63F1	630 KN	400 mm	600 mm	500x500 mm	4 kw	900x800x2200 mm 900x800x1400 mm	1750/1620 kg
100F1	1000 KN	400 mm	700 mm	600x600 mm	4 kw	1000x900x2350 mm 1000x900x1500 mm	2280/2150 kg
150F1	1500 KN	400 mm	700 mm	600x600 mm	4 kw	1000x900x2350 mm 1000x900x1500 mm	2460/2260 kg
200F1	2000 KN	400 mm	750 mm	700x700 mm	5.5 kw	2800x1000x1600 mm 1100x1000x1600 mm	3100/2950 kg
250F1	2500 KN	400 mm	750 mm	700x700 mm	5.5 kw	3000x1100x1800 mm 1100x1000x1600 mm	3600/3450 kg
315F1	3150 KN	400 mm	800 mm	800x800 mm	7.5 kw	3200x1100x1800 mm 1400x1200x1650 mm	4600/4420 kg
400F1	4000 KN	400 mm	800 mm	900x900 mm	7.5 kw	3200x1200x1900 mm 1400x1200x1650 mm	5350/5170 kg
500F1	5000 KN	500 mm	900 mm	1000x1000 mm	11 kw	3500x1300x2000 mm 1400x1200x1650 mm	7550/7350 kg
630F1	6300 KN	500 mm	1000 mm	1000x1000 mm	11 kw	3500x1300x2100 mm 1500x1300x1650 mm	9850/9650 kg

# C-FRAME INCLINABLE PRESS



- This series of press adopts rotating key positive clutch, which has a simple structure and is convenient to operate and maintain, achieving smooth operation, low impact and low noise.
- J23-25 open type inclinable press machine is the first to adopt rolling bearing rather than the commonly used silding bearing (copper bearing) for the transmission gear, making the transmission gear more wear-resistant and avoiding loud noises of gears caused by the quickly worn copper bearing.
- J23-80 type press machine all adopt the structure of pneumatic dual balance cylinder, which has small fluctuation of the balance force and it balances the slider and the upper die, which can cause the lathe unstable. And it can also avoid the clash and noise caused by the converse force of gears in transmission, and avoid accidents caused by the converse force of gears in transmission, and avoid accidents caused by the falling of slider when the brake fails or the connecting rodsruptures.

Specification		Unit	23-6.3	23-10	23-16	23-25	23-35	23-40	23-63	23-63A	23-80
Nominal pressure		KN	63	100	160	250	350	400	630	630	800
Nominal stroke		mm	2	2	2	2.5	3.5	6	7	7	7
Slide stroke		mm	35	45	55	65	80	90	110	110	120
Slide strokes per minute	High speed	min-1	170	145	125	N/A	N/A	N/A	N/A	N/A	N/A
	Low speed	min-1	N/A	N/A	N/A	55	50	45	40	40	38
Closure height		mm	150	180	220	270	290	320	390	390	440
Closing height adjustment		mm	30	35	45	55	60	65	80	80	90
Throat depth		mm	110	130	160	200	220	250	310	310	350
Distance between uprights		mm	150	180	220	270	280	340	420	420	450
Slide bottom size	L×R	mm	140	170	200	250	250	300	400	400	450
	F×B	mm	120	150	180	220	220	260	360	360	360
Shank hole size	Dia	mm	30	30	40	40	40	50	50	50	60
	Depth	mm	55	55	60	60	60	70	70	70	75
Bolster size	L×R	mm	310	370	450	560	610	700	860	860	950
	F×B	mm	200	240	300	370	400	460	570	570	650
Banking hole diameter		mm	60	80	100	120	130	150	180	180	200
Bolster thickness		mm	30	35	40	50	60	65	80	80	100
Max angle of Inclination			45	35	35	30	30	30	20	20	20
Bolster surface height		mm	750	730	750	800	815	850	850	850	850
Overall dimensions	F×B	mm	780	900	1150	1345	1460	1721	1958	1958	2060
	L×R	mm	620	665	847	950	1058	1335	1500	1500	1715
	H	mm	1503	1658	1910	2130	2225	2488	2868	2868	3290
Distance between foundation bolts	F×B	mm	530	610	780	920	1020	1060	1300	1300	1360
	L×R	mm	314	394	450	600	650	750	920	920	1010
Motor power		kw	0.75	1.1	1.5	2.2	4	5.5	7.5	7.5	7.5

# C-FRAME FIXED BOTSTER PRESS

## Optional Accessories

- Dry clutch
- Air cushion apparatus
- Light curtain Protection
- Die quick change device
- Foot pedal
- Output shaft
- Requency control
- Top stripping device for slider



Specification		Unit	21-200		21-250		21-315		21-400	
Type		kn	H	S	H	S	H	S	H	S
Nominal pressure		mm	2000		2500		3150		4000	
Nominal stroke		mm	6	6	6.5	6.5	7	7	8	8
Slide stroke		min-1	150	200	160	220	160	220	180	250
Side Strokes Per Minute	Fixed	min-1	60	45	48	33	50	33	40	30
	Variable	mm	40-70	30-55	35-58	25-40	35-58	25-40	30-50	20-35
Max Die Set Height		mm	485	450	530	500	530	500	585	550
Die Height Adjustment		mm	110		120		120		120	
Throat depth		mm	430		450		450		450	
Distance between uprights		mm	910		980		980		1050	
Slide bottom size	LxR	mm	880		900		900		1020	
	FxB	mm	650		700		700		750	
Shank hole size	Dia	mm	70		70		70		70	
	Depth	mm	100		100		100		100	
Bolster size	LxR	mm	1390		1500		1540		1700	
	FxB	mm	840		880		880		880	
Banking hole diameter		mm	240		240		240		240	
Bolster thickness		mm	180		190		190		210	
Bolster surface height		mm	1000		1000		1000		1100	
Overall dimensions	FxB	mm	2600		2660		2720		2850	
	LxR	mm	1540		1640		1680		1750	
Distance between Foundation bolts	H	mm	3800		3850		3850		4140	
	FxB	mm	2020		2230		2200		2385	
	LxR	kw	1360		1480		1500		1570	
Motor power		kw	18.5		22		30		37	
Press pressure		Mpa					0.5			

## Standard Accessories

- Wet clutch
- Hydraulic overload protecting pump
- Auto lubrication system
- Manual lubrication system
- Balance cylinders for slide and upper die
- Joint for miss-feeding
- Touch screen
- Electronic crankshaft angle indicator (JH21-25~80 are pointer type)

- Cam controller
- Die height adjusted motor(JH21-60~400)
- PLC: Programmable logical controller
- Air source quick connector
- Shock Absorption Pads
- Working lamp
- Air blowing
- Second degree drop
- Preset counter(Touch screen display)

Specification		Unit	JH21-25		JH21-45		JH21-60		JH21-80		JH21-125		JH21-160	
Type		kn	H	S	H	S	H	S	H	S	H	S	H	S
Nominal pressure		mm	250		450		600		1000		1250		1600	
Nominal stroke		mm	3	3	4	4	5	5	5	5	6	6	6	6
Slide stroke		min-1	50	80	70	120	100	160	100	160	110	180	130	200
Slide Strokes Per Minute	Fixed	min-1	125	100	95	80	80	60	80	55	70	50	60	45
	Variable	mm	75-150	60-120	65-115	50-95	55-95	40-75	55-95	35-65	50-85	35-80	40-70	30-55
Max Die Set Height		mm	265	250	295	270	350	320	365	335	385	350	435	400
Die Height Adjustment		mm	50		60		80		90		90		100	
Throat depth		mm	210		225		310		330		350		400	
Distance between uprights		mm	470		525		580		670		630		696	
Slide bottom size	LxR	mm	360		40		540		620		620		700	
	FxB	mm	250		340		460		520		520		580	
Shank hole size	Dia	mm	40		50		50		70		70		70	
	Depth	mm	50		60		70		80		80		100	
Bolster size	LxR	mm	720		825		950		1060		1100		1175	
	FxB	mm	400		440		600		640		680		760	
Banking hole diameter		mm	150		150		180		180				220	
Bolster thickness		mm	80		110		140		145		155		165	
Bolster surface height		mm	750		775		845		850		850		900	
Overall dimensions	FxB	mm	1500		1540		1765		2000		2040		2305	
	LxR	mm	945		1075		1200		1300		1320		1420	
Distance between foundation bolts	H	mm	2090		2365		2675		2960		2980		3210	
	FxB	mm	990		1095		1225		1350		1445		1665	
	LxR	kw	690		760		920		1020		1040		1140	
Motor power		kw	3		5.5		7.5		7.5		11		15	
Press pressure		Mpa							0.5					

## BELT GRINDER



### Features

- Large face grinding surface
- High belt speed
- High motor power
- Quick adjustment for tilted
- New way for discharge air(Patented product)
- Convenience protective equipment
- High strength, high stable rack

Specification	75	150
Motor power	3.0kw	4.0kw
Contact wheel	200x75mm	200x150mm
Belt size	2000x75mm	2000x150mm
Belt speed	30m/s	30m/s
Face grinding surface	590x75mm	590x150mm
Work height	600-1200mm	600-1200mm
Packing size	1150x650x670mm	1150x670x670mm
N.w/G.w	105/120kg	125/140kg
Loading amount	54pcs/20GP	48pcs/20GP

## PIPE BELT GRINDER



### Features

- High motor power
- Quick clamping device (Patent product)
- Rapid replacement belt and shaft
- Convenience protective equipment
- High strength, high stable rack

Specification	76H
Motor power	3.0kw
Speed	2850rpm
Belt dimension	100x2000mm
Belt speed	30m/s
Grinding area	20-76mm
Adjustable slide	30°-90°
Packing size	1450x1150x650mm
N.w/G.w	145/175kg

# ELECTRIC SLIP ROLL/ROUND BENDING MACHINE



Model	Max.rolling thickness	Max.rolling width	Dia. of roll (mm)	Motor power	Packing size (cm)	N.W/G.W(kg)
1020x2	2.0	1020	60	0.75	174x 60x 126	260/325
1300x1.5	1.5	1300	75	0.75	18x 65x 110	280/340
1300x1.5E	1.5	1300	60	0.75	190x 55x 110	270/340
1300x2.5	2.5	1300	90	1.5	200x 72x 120	540/600
1300x4.5	4.5	1300	120	2.2	200x 76x 127	750/830
1550x3.5	3.5	1550	120	2.2	222x 76x 127	790/890
2020x3.5	3.5	2020	127	4.0	270x 87x 130	1100/1200
2070x2.5	2.5	2070	120	2.2	282x 87x 130	1060/1200
2070x3.5	3.5	2070	127	3.0	282x 87x 130	1110/1250



Model	RBM40HV		RBM50HV		HRBM65	
Dia. of roller (mm)	Ø40		Ø50		Ø65	
Power	1.5kw/2HP		2.2kw/3HP		2.25kw/3HP	
Spindle speed	9.3r/min		13r/min		9.3r/min	
Packing size (cm)	140x 95x 34		150x 95x 134		125x 115x 180	
N.W/G.W(kg)	425/495		515/647		720/920	
Capacity	Size (mm)	Min Dia (mm)	Size (mm)	Min Dia (mm)	Size (mm)	Min Dia (mm)
	50x 10	600	60x10	500	80x25	600
	20x6	800	40x10	650	40x10	500
	60x20	800	100x15	920	120x25	600
	30x6	1250	60x10	1150	50x10	400
	30x30	650	35x35	600	50	600
	10x10	1100	20x20	780	20	400
	50x6	600	60x7	750	80x40x7	500
	30x3	500	50x5	500	40x40x5	400
	50x6	600	60x7	750	80x40x7	400
	30x3	500	50x5	700	40x40x5	360
	60x40x6	600	80x45x6	600	100x50x6	600
	30x15x4	900	65x40x5	550	50x40x5	500
	60x40x6	600	80x45x6	650	100x50x6	600
	30x15x4	900	65x40x5	550	50x40x5	500
	50x5	500	60x5	500	70x6	500
	30x4	500	50x5	500	40x5	400
	50x5	500	60x5	700	70x6	600
	30x4	500	50x5	700	40x5	500
	Ø30	650	Ø35	600	Ø50	600
	Ø10	1100	Ø30	650	Ø20	400
	50x50x2.5	700	60x60x3	600	70x70x3	900
	30x30x2	800	40x40x3	500	30x30x3	500
	50x25x2.5	800	70x50x3	1200	80x40x3	800
	40x20x2	1000	50x40x3	800	50x30x2	500

\* One set of combination roller from above molds as standard \*

ROUND BENDING MACHINE

ROUND BENDING MACHINE

# WIRE CUT MACHINE



WIRE CUT MACHINE

WIRE CUT MACHINE

## Wire Cut Machine

Model	Worktable size	Worktable travel	Max. cut thickness	Taper (optional)	Max. table carry	Net weight	Dimensions	Power supply
DK7720	270x420mm	200x250mm	200mm	60° /80mm	100kg	800kg	1160x880x1400mm	AC380V/220V 50Hz≤2kw
DK7730/25	340x560/340x520mm	300x360/250x220mm	400/400mm	6° -12° /80mm/6° -12° /80mm	200/200kg	1250/1200kg	1485x1050x1700, 1485x1010x1700mm	AC380V/220V 50Hz≤3kw
DK7735/32	380x650/380x600mm	350x450/320x400mm	400/400mm	6° -30° /80mm/6° -30° /81mm	300/300kg	1440/1400kg	1660x1330x1700, 1640x1280x1700mm	AC380V/220V 50Hz≤4kw
DK7740	410x710mm	400x500mm	400mm	6° -60° /80mm	450kg	1600kg	1830x1490x1700mm	AC380V/220V 50Hz≤5kw
DK7740B	450x840mm	400x630mm	400mm	6° -60° /80mm	450kg	1670kg	1845x1610x1700mm	AC380V/220V 50Hz≤6kw
DK7745	500x750mm	450x550mm	400mm	6° -60° /80mm	450kg	1650kg	1865x1520x1700mm	AC380V/220V 50Hz≤7kw
DK7755	596x880mm	550x650mm	500mm	6° -60° /80mm	800kg	2500kg	2070x1170x1790mm	AC380V/220V 50Hz≤8kw
DK7755B	596x1060mm	550x850mm	500mm	6° -60° /80mm	850kg	2600kg	2070x1950x1790mm	AC380V/220V 50Hz≤9kw
DK7763A	720x1260mm	630x1000mm	600mm	6° -60° /80mm	1000kg	3200kg	2200x2160x1930mm	AC380V/220V 50Hz≤10kw
DK7780A	880x1440mm	800x1200mm	600mm	6° -60° /80mm	1500kg	4700kg	2700x2300x1900mm	AC380V/220V 50Hz≤11kw
DK7780B	880x1260mm	800x1000mm	600mm	6° -60° /80mm	1500kg	4500kg	2620x2260x1900mm	AC380V/220V 50Hz≤12kw
DK77100	1010x1500mm	1000x1200mm	600mm	6° -60° /80mm	1500kg	5600kg	2930x2500x2000mm	AC380V/220V 50Hz≤13kw

## Die Sinking Machine

Model	Worktable size	Worktable grooves	X axis travel	Y axis travel	X axis travel	Distance between electrode&table	Max.workpiece weight	Max. electrode weight	Machine weight	Machine dimension
D7125	400x250mm	1030x560x320mm	250mm	150mm	240mm	400mm	250kg	50kg	250kg	250mm
D7132	500x320mm	1030x560x320mm	320mm	250mm	240+240mm	550mm	550kg	60kg	550kg	550mm
D7140	650x400mm	1350x630x410mm	400mm	300mm	250+250mm	650mm	750kg	70kg	750kg	750mm
D7145	720x450mm	1400x710x410mm	450mm	350mm	250+250mm	680mm	800kg	80kg	800kg	800mm
D7150	800x500mm	1450x780x500mm	500mm	400mm	250+300mm	700mm	800kg	100kg	800kg	800mm
D7160	1000x600mm	1680x850x580mm	600mm	450mm	250+350mm	800mm	1000kg	150kg	1000kg	1000mm

# CNC GANTRY-TYPE MACHINING CENTER

The machine tool has the characteristics of strong rigidity, symmetrical mechanism and high stability. By optimizing the structure of the basic parts and improving the dynamic performance of the product, Get the perfect combination of high power, high torque, high efficiency and high precision processing. Suitable for shipbuilding, metallurgy, petrochemical, mining machinery, electric power energy, construction machinery, heavy machinery and other large, heavy processing fields.



CNC GANTRY-TYPE MACHINING CENTER

CNC GANTRY-TYPE MACHINING CENTER

Specification	GMC2014	GMC2514	GMC2519	GMC3019	GMC3022
<b>Worktable</b>					
Worktable size(LxW)	1200x2000mm	1200x2500mm	1500x2500mm	1500x3000mm	1800x3000mm
T-slots size(NxWxD)	7-22x140mm	7-22x140mm	9-22x160mm	9-22x160mm	9-28x180mm
<b>Travel</b>					
X/Y/Z axis Travel	2100/1400/800mm	2600/1400/800mm	2600/1900/900mm	3100/1900/900mm	3200/2500/1000mm
<b>Machining range</b>					
Distance between gantry columns	1400mm	1400mm	1900mm	1900mm	2200mm
Distance from spindle nose to worktable surface	150-950mm	150-950mm	150-1050mm	150-1050mm	200-1200mm
<b>Spindle</b>					
Spindle taper	BT50-190	BT50-190	BT50-190	BT50-190	BT50-190
Spindle power	15/18.5kw	15/18.5kw	15/18.5kw	15/18.5kw	15-18.5/22-26kw
Max. spindle speed	6000rpm	6000rpm	6000rpm	6000rpm	6000rpm
<b>Feed</b>					
Max. feed speed	8000mm/min	8000mm/min	8000mm/min	8000mm/min	8000mm/min
Rapid feed speed(X/Y/Z)	12/12/10m/min	12/12/10m/min	12/12/10m/min	12/12/10m/min	12/12/10m/min
<b>Tool magazine</b>					
Tool Magazine capacity	24T	24T	24T	24T	24T
<b>Positioning accuracy</b>					
Positioning accuracy(X/Y/Z)	0.016/0.015/0.015mm	0.018/0.015/0.015mm	0.018/0.015/0.015mm	0.02/0.015/0.015mm	0.02/0.02/0.018mm
Re-positioning accuracy(X/Y/Z)	0.012/0.01/0.01mm	0.012/0.01/0.01mm	0.012/0.01/0.01mm	0.012/0.01/0.01mm	0.012/0.012/0.012mm
<b>Machine dimension</b>					
LxWxH	6300x3800x4700mm	7300x3800x4700mm	7300x4300x4900mm	8300x4300x4900mm	8300x5200x5300mm
<b>Machine weight</b>					
Max. loading of worktable	5000kg	6000kg	7000kg	8000kg	10000kg
Machine weight	15000kg	17500kg	20000kg	23000kg	31000kg



Specification	GMC4022	GMC4030	GMC4032	GMC5032
<b>Worktable</b>				
Worktable size(LxW)	1800x4000mm	2200x4000mm	2500x4000mm	2500x5000mm
T-slots size(NxWxD)	9-28x180mm	11*28*200mm	11-28x200mm	11-28x200mm
<b>Travel</b>				
X/Y/Z axis Travel	4200/2500/1000mm	4200/3150/1000mm	4200/3400/1200mm	5200/3400/1200mm
<b>Machining range</b>				
Distance between gantry columns	2200mm	3000mm	3200mm	3200mm
Distance from spindle nose to worktable surface	200-1200mm	250-1250mm	250-1450mm	250-1450mm
<b>Spindle</b>				
Spindle taper	BT50-190	BT50-190	BT50-190	BT50-190
Spindle power	15-18.5/22-26kw	22/26kw	22/26kw	22/26kw
Max. spindle speed	6000rpm	6000rpm	6000rpm	6000rpm
<b>Feed</b>				
Max. feed speed	8000mm/min	8000mm/min	8000mm/min	8000mm/min
Rapid feed speed(X/Y/Z)	12/12/10m/min	10/12/10m/min	10/12/10m/min	10/12/10m/min
<b>Tool magazine</b>				
Tool Magazine capacity	24T	24T	24T	24T
<b>Positioning accuracy</b>				
Positioning accuracy(X/Y/Z)	0.025/0.02/0.018mm	0.025/0.02/0.02mm	0.025/0.025/0.02mm	0.035/0.025/0.02mm
Re-positioning accuracy(X/Y/Z)	0.016/0.012/0.012mm	0.016/0.014/0.013mm	0.016/0.018/0.014mm	0.025/0.018/0.014mm
<b>Machine dimension</b>				
LxWxH	10200x5200x5300mm	10300x5800x5600mm	11000x6300x5400mm	13000x6300x5400mm
<b>Machine weight</b>				
Max. loading of worktable	12000kg	15000kg	22000kg	26000kg
Machine weight	35000kg	45000kg	52000kg	59000kg

GMC6022	GMC6030	GMC6032	GMC6038	GMC8030	GMC8032	GMC8038
1800x6000mm	2200x6000mm	2500x6000mm	3000x6000mm	2200x8000mm	2500x8000mm	3000x8000mm
9-28x180mm	11-28x200mm	11-28x200mm	15-28x200mm	11-28x200mm	11-28x200mm	15-28x200mm
6200/2500/1000mm	6200/3150/1000mm	6200/3400/1200mm	6200/4200(*4600,*5800)/1200mm	8200/3150/1000mm	8200/3400/1200mm	8200/4200(*4600,*5800)/1200mm
2200mm	3000mm	3200mm	3800(*4200,*5200)mm	3000mm	3200mm	3800(*4200,*5200)mm
200-1200mm	250-1250mm	250-1450mm	250-1450mm	250-1250mm	250-1450mm	250-1450mm
BT50-190	BT50-190	BT50-190	BT50-190	BT50-190	BT50-190	BT50-190
15-18.5/22-26kw	22/26kw	22/26kw	22/26kw	22/26kw	22/26kw	22/26kw
6000rpm	6000rpm	6000rpm	4000rpm	6000rpm	6000rpm	4000rpm
8000mm/min	8000mm/min	8000mm/min	8000mm/min	8000mm/min	8000mm/min	8000mm/min
12/12/10m/min	10/12/10m/min	10/12/10m/min	10/12/10m/min	10/12/10m/min	10/12/10m/min	10/12/10m/min
24T	24T	24T	24T	24T	24T	24T
0.04/0.02/0.018mm	0.04/0.02/0.02mm	0.04/0.025/0.02mm	0.04/0.03/0.02mm	0.05/0.02/0.02mm	0.05/0.025/0.02mm	0.05/0.03/0.02mm
0.026/0.012/0.012mm	0.025/0.014/0.013mm	0.03/0.018/0.014mm	0.03/0.025(0.26/0.26)/0.014mm	0.035/0.014/0.013mm	0.035/0.018/0.014mm	0.035/0.025/0.014mm
14200x5200x5300mm	14500x5800x5600mm	15000x6300x5400mm	15000x7600x6200mm	19000x5800x5600mm	20000x6300x5400mm	20000x7600x6200mm
15000kg	22000kg	30000kg	35000kg	30000kg	38000kg	40000kg
44000kg	57000kg	68000kg	75000kg	71000kg	85000kg	90000kg

# CNC DRILLING TAPPING CENTER

- Main machine components are made of high-grade Meehanite castings. After twice annealing treatment.
- 1G acceleration, from 0 to 60 m/min in just 0.21 seconds.
- The spindle head has no counterweight, and the feed is more sensitive and more accurate.
- 200-liter water tank, rear chip removal, rear inclined base design, and rapid chip removal.



CNC DRILLING TAPPING CENTER

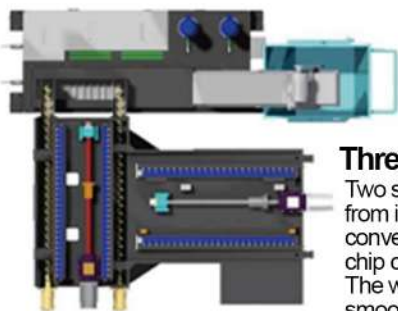
CNC DRILLING TAPPING CENTER

- Direct-drive high-speed spindle BT30, 20,000rpm.
- Spindle with T1DD heat source isolation design.
- Three-axis are all linear rails.
- X, Y, Z axis with fast moving speed 48 m/min.
- 14pcs flying saucer-type tool magazine.
- Quick tool change 1.8 seconds
- Disc-type tool magazine is optional.



Specification	600	700
<b>Worktable</b>		
Worktable size(LxW)	700x420mm	800x420mm
T-slots size(NxWxD)	3-14x125mm	3-14x125mm
<b>Travel</b>		
X/Y/Z axis travel	600/400/350mm	700/400/350mm
<b>Machining range</b>		
Distance from spindle nose to worktable surface	145-495mm	145-495mm
Distance from spindle center to column	445mm	445mm
<b>Spindle</b>		
Spindle taper	BT30-100	BT30-100
Spindle power	3.7/5.5kw	3.7/5.5kw
Max.spindle speed	20000rpm	20000rpm
<b>Feed</b>		
Rapid feed speed(X/Y/Z)	48/48/48m/min	48/48/48m/min
<b>Ball screw</b>		
X/Y/Z axis ball screw	Ø32/P16/C3	Ø32/P16/C3
<b>Positioning accuracy</b>		
Positioning accuracy(X/Y/Z)	±.005/300mm	±.005/300mm
Re-positioning accuracy(X/Y/Z)	±.003/300mm	±.003/300mm
<b>Machine dimension</b>		
LxWxH	1550x2700x2500 mm	1550x2700x2500 mm
<b>Machine weight</b>		
Max. loading of worktable	300kg	300kg
Machine weight	2400kg	2500kg

# HORIZONTAL MACHINING CENTER



## Three Automatic chip conveyors

Two screw type conveyors move the chips from inside machine to outside chain type conveyor during working, and the outside chip conveyor transfer the chips to chips tank. The whole process of cleaning the chips is smooth and efficient, reducing machine main body heat, avoiding machine body heat distortion



Spindle motor power: 15/18.52Kw  
Spindle speed: 6000rpm  
Torque: 143Nm



BT50, 24 position Arm type tool magazine are made by OKADA and PCJU who are Professional tool manufacturers in Taiwan



Tool holder type VT50  
Max. Tool Dia.  $\phi$ 112mm (continue)  
 $\phi$  200mm (Empty)



Standard JAPAN and GERMANY brand



TOP TAIWAN brand Ball screw & linear guideway  
Double nuts C3 level  
grinded ball screws  
Screw diameter\* pitch:  
40\*12/40\*12/50\*12



Roller type linear rails for three axis  
Three axis slide load block quantity:  
4 / 4 / 4



## OPTIONAL ACCESSORIES



CHAIN TYPE TOOL MAGAZINE



FANUC/SIEMENS CNC SYSTEM



LINEAR SCALE



CTS



ZF/BF/GTP GEAR BOX



0.001 DEGREE INDEXING



RENISHAW TOOL

Specification	630A(Inverted T)	63(Positive T)	800	1000	630P
<b>Worktable</b>					
Worktable size (W×L)	630×700mm	630×700mm	800×800mm	1000×1000mm	630×700mm
Workpiece clamping type	24×M16	24×M16	24×M16	24×M16	24×M16
Changing time of worktables	N/A	N/A	N/A	N/A	35s
Rotary diameter of workpiece	1380mm	1400mm	1750mm	1750mm	950mm
<b>Travel</b>					
X/Y/Z axis travel	1050/750/900mm	1050/750/900mm	1600/1000/1000mm	1600/1000/1000mm	1050/750/900mm
Distance from spindle center to worktable surface	120-870mm	120-870mm	160-1160mm	120-1120mm	0-750mm
Distance from worktable center to spindle nose	130-1030mm	130-1030mm	200-1200mm	200-1200mm	130-1030mm
<b>Spindle</b>					
Spindle hole taper	BT50	BT50	BT50	BT50	BT50
Spindle speed range	5300rpm	5300rpm	6000rpm	6000rpm	6000rpm
Drive type (Spindle)	Belt type	Belt type	Belt type	Belt type	Belt type
Spindle power	15/18.5kw	15/18.5kw	15/18.5kw	15/18.5kw	15/18.5kw
<b>Feed</b>					
X/Y/Z axis rapid feed speed	24/24/24m/min	32/32/32m/min	24/24/24m/min	24/24/24m/min	24/24/24m/min
B axis rapid feed speed	10m/min	10m/min	10m/min	10m/min	10m/min
<b>Tool magazine</b>					
Tool magazine model	Manipulator	Manipulator	Manipulator	Manipulator	Manipulator
Capacity	24T	24T	24T	24T	24T
Max. tools weight	15kg	18kg	15kg	15kg	15kg
Max. tools length	350mm	550mm	300mm	300mm	300mm
Tool change time	5.5s	5.5s	5.5s	5.5s	5.5s
<b>Positioning accuracy (GB standard)</b>					
Positioning accuracy (X/Y/Z)	±0.010mm	±0.010mm	±0.012mm	±0.012mm	±0.010mm
Re-positioning accuracy(X/Y/Z)	±0.006mm	±0.006mm	±0.008mm	±0.008mm	±0.006mm
B axis division accuracy	10"	10"	12"	12"	10"
B axis re-division accuracy	5"	5"	6"	6"	5"
<b>Machine Size</b>					
L×W×H	4800×3200×2950mm	5000×3720×3000mm	5600×4075×3180mm	5600×4075×3180mm	5770×3200×2850mm
<b>Machine weight</b>					
Max. loading of worktable	1200kg	1200kg	1200kg	1500kg	950kg
Machine weight	12000kg	12000kg	17000kg	18000kg	14000kg

# VERTICAL MACHINING CENTER

## FINISHED WORKPIECES



## STANDARD ACCESSORIES

- Full cover
- Taiwan spindle 8000rpm
- 24pcs Disk type tool magazine (Except GT600L/GT650L)
- Rigid tapping
- Ethernet and USB interface
- Automatic lubrication system
- Coolant system
- LED working lamp
- Tri-Color Alarm Light
- Electrical handwheel (MPG)
- Tool box
- Leveling bolts and blocks
- Air gun
- User manual

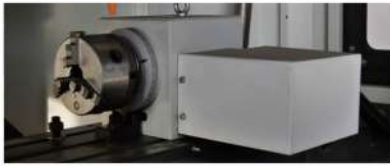
## OPTIONAL ACCESSORIES

- ◆ 4th/5th axis CNC rotary table
- ◆ Taiwan spindle 10000rpm
- ◆ Direct drive spindle 12000rpm
- ◆ Spindle oil cooler
- ◆ CTS coolant through spindle
- ◆ Workpiece probe
- ◆ Tool probe
- ◆ Oil mist collector
- ◆ Oil skimmer
- ◆ Chain type chip conveyor

Specification	650L	850L	855L	1050L	1160L	1370L	1580L
<b>Worktable</b>							
Worktable size (L×W)	900×400mm	1000×500mm	1000×550mm	1000×500mm	1200×600mm	1400×700mm	1600×800mm
T-slots size (N×W×D)	5-16x75mm	5-18x90mm	5-18x90mm	5-18x90mm	5-18x100mm	5-18x110mm	7-22x110mm
<b>Travel</b>							
X/Y/Z axis travel	650/450/500mm	800/500/500mm	800/550/550mm	1000/500/500mm	1100/600/600mm	1300/700/700mm	1500/800/700mm
<b>Machining range</b>							
Distance from spindle center to column	460mm	550mm	595mm	550mm	650mm	750mm	855mm
Distance from spindle nose to worktable surface	120-620mm	120-620mm	120-670mm	120-620mm	120-720mm	110-810mm	190-890mm
<b>Spindle</b>							
Spindle taper	BT40	BT40	BT40	BT40	BT40	BT40	BT40/BT50
Spindle power	5.5/7.5kw	7.5/11kw	7.5/11kw	7.5/11kw	11/15kw	11/15kw	11/15kw
Max. spindle speed	8000rpm	8000rpm	8000rpm	8000rpm	8000rpm	8000rpm	8000/6000rpm
<b>Feed</b>							
Max. cutting feed speed	10m/min	10m/min	10m/min	10m/min	10m/min	10m/min	10m/min
Rapid feed speed (X/Y/Z)	20/20/12m/min	24/24/20m/min	24/24/20m/min	24/24/20m/min	24/24/20m/min	24/24/20m/min	24/24/20m/min
<b>Ball screw (diameter+lead)</b>							
X/Y/Z axis ball screw	4012	4016	4016	X:4012/Y,Z:4016	4012	4512	5010
<b>Tool magazine</b>							
Tool magazine capacity	16/**24T	24T	24T	24T	24T	24T	24T
Max. length of tool	300mm	300mm	300mm	300mm	300mm	300mm	300mm
Tool change time	7/1.5s	1.5s	1.5s	1.5s	1.5s	1.5s	1.5s
<b>Positioning accuracy (GB standard)</b>							
Positioning accuracy (X/Y/Z)	±0.005mm	±0.005mm	±0.005mm	±0.005mm	±0.005mm	±0.006mm	±0.006mm
Re-positioning accuracy(X/Y/Z)	±0.003mm	±0.003mm	±0.003mm	±0.003mm	±0.003mm	±0.004mm	±0.004mm
<b>Machine dimension</b>							
L×W×H	2300×2200×2400mm	2750×2300×2700mm	2800×2300×2700mm	2900×2300×2700mm	3300×2350×2900mm	3400×2900×3800mm	4100×3000×3900mm
<b>Machine weight</b>							
Max. loading of worktable	400kg	500kg	600kg	500kg	800kg	1000kg	1500kg
Machine weight	3800kg	5300kg	5500kg	5400kg	6200kg	8200kg	13000kg

Note: "\*" means optional.

# CNC MILLING MACHINE



**4TH AXIS (OPTIONAL)**



**5TH AXIS (OPTIONAL)**



## STANDARD ACCESSORIES

- Full cover
- Taiwan spindle 8000rpm
- Umbrella type tool magazine
- Rigid tapping
- Ethernet and USB interface
- Automatic lubrication system
- Coolant system
- LED working lamp
- Tri-Color Alarm Light
- Electrical handwheel (MPG)
- Tool box
- Leveling bolts and blocks
- Air gun
- User manual

## OPTIONAL ACCESSORIES

- ◆ 4th axis dividing head
- ◆ Spindle speed 10000rpm
- ◆ Spindle oil cooler
- ◆ Heat exchanger of electric cabinet
- ◆ Tool probe
- ◆ Chain type chip conveyor

Specification	7122	7126	7132	7136
<b>Worktable</b>				
Worktable size(LxW)	700x210mm	800x260mm	800x320mm	1250x360mm
T-slot (NxWxD)	4-14x45mm	3-16x75mm	3-16x100mm	3-18x80mm
<b>Travel</b>				
XYZ axis travel	360/260/440mm	500/320/450mm	600/400/450mm	900/350/500mm
<b>Machining range</b>				
Distance from spindle center to column	270mm	360mm	400mm	460mm
Distance from spindle nose to worktable surface	75-520mm	90-540mm	100-550mm	100-600mm
<b>Spindle</b>				
Spindle taper	BT30	BT40	BT40	BT40
Spindle power	2.2kw	3.7kw/5.5kw	5.5kw/7.5kw	5.5kw
Max spindle speed	8000rpm	8000rpm	8000rpm	8000rpm
<b>Feed</b>				
Max feed speed	18m/min	10m/min	10m/min	10m/min
Rapid feed speed(X/Y/Z)	10/10/10m/min	15/15/15m/min	20/20/18m/min	10/10/8m/min
<b>Power</b>				
AC servo motor torque(X/Y/Z)	6/6/6N.m	6/6/15N.m	7.7/7.7/15N.m	7.7/7.7/15N.m
X/Y/Z feed motor power	0.75/0.75/1kw	1/1/2kw	1.5/1.5/2kw	1.5/1.5/2kw
Rated power	4.5kw	8kw	11kw	11kw
<b>Ball screw(Diameter+lead)</b>				
XYZ axis ball screw	2505	2510	3210	X-3206,YZ-4006
<b>Tool magazine</b>				
Tool magazine capacity	8T/12T(optional)	12T	16T	16T
Max length of tool	175mm	200mm	200mm	200mm
Tool change time(T-T)	7s	7s	7s	7s
<b>Positioning accuracy (GB standard)</b>				
Positioning accuracy (X/Y/Z)	±0.02mm	±0.02mm	±0.01mm	±0.02mm
Re-positioning accuracy(X/Y/Z)	±0.01mm	±0.01mm	±0.005mm	±0.01mm
<b>Machine dimension</b>				
LxWxH	1470x1550x2080mm	2100x1850x2250mm	2200x1950x2300mm	3000x2150x2450mm
<b>Machine weight</b>				
Max loading of worktable	200kg	200kg	300kg	350kg
Machine weight	1300ka	2200ka	2400ka	3500ka

# CNC MILLING MACHINE



## STANDARD ACCESSORIES

- CNC controller After type
- Half Cover (For GT7124)
- 8 pcs umbrella type tool magazine (For GT7116)
- Coolant system
- Auto lubrication system
- LED working lamp
- Tri-color Alarm Light
- Electrical handwheel (MPG)
- Tool box
- User manual

Specification	7116
<b>worktable</b>	
Worktable size(LxW)	600x163mm
T-slot (N×W×D)	3-12x50mm
<b>Travel</b>	
X axis travel(X/Y/Z)	350/160/400mm
<b>Machining range</b>	
Spindle center to column distance	161mm
Distance from spindle nose to worktable surface	476.4mm
<b>Spindle</b>	
Spindle taper	BT30
Main motor power	3.7kw
Coolant system	liquid cooling
Change tool way	Pumatic
Rapid feed speed(X/Y/Z)	8/8/8 m/min
Max.spindle speed	18000rpm
<b>Feed</b>	
AC servo motor torque (X/Y/Z)	2.4n.m/2.4n.m/4n.m
<b>Ball screw (diameter+lead)</b>	
XY Linear guideway	(Taiwan HIWIN)15mm
Z linear guideway	(Taiwan HIWIN)20mm
X axis ball leadscrew	(Taiwan TBI)1605
YZ axis ball leadscrew	(Taiwan TBI)2005
<b>Tool magazine</b>	
ATC Type	Umbrella type
Capacity of ATC	8T
<b>Power</b>	
Air compressor pressure	12L
Lubricating pump capacity	1L
Working light	10w
Cooling pump	40w
Controller system	After18i/GSK980MDC/Siemens 808Da
<b>Size</b>	
Machine size (LxWxH)	1820x1140x2100mm
Machine weight	900kg/1000kg



Specification	GT 45
Max. drilling capacity	45mm
Max. milling diameter	80mm
Max. tapping capacity	20mm
Distance from spindle nose to table	530mm
X-axis travel	630mm
Y-axis travel	265mm
Z-axis travel	460mm
Table size	1000x240mm
Distance from spindle to column	291mm
Spindle sleeve travel	130mm
Spindle taper	MT4/MT3/R8
Spindle motor power	1.5kw
Spindle motor voltage	AC 220V Single phase
Feed motor(X/Y/Z)	X/Y axis servo 750w+Z axis servo 1000w
Leadscrew(X/Y/Z)	2005/2505/2505
Spindle speed (two gears + stepless speed regulation)CNC system	0-2600PRM AFTER 990MDCa
Packing Size	1450x1150x1618mm
N.W/G.W	490KG/520kg

## STANDARD ACCESSORIES

- Domestic AFTER 990MDCa controller
- 3 axis servo motor type
- Taiwan TBI leadscrew
- 3-axis hard guideway
- Inpvance inverter
- Germany BKD bearings
- Wireless electronic handwheel
- Auto cooling system
- Spindle depth gauge display
- Lubrication system
- USB backup

# CNC MILLING MACHINE

## EDUCATIONAL AND METAL PROCESSING



**GT7113A**



**GT7113C**

### STANDARD ACCESSORIES

- ◆ Wrenches
- ◆ Oil gun
- ◆ Handwheel (For A/B)
- ◆ Allen wrench
- ◆ Toolbox with tools
- ◆ Screw driver

### OPTIONAL ACCESSORIES

- ◆ 4th axis dividing head
- ◆ Working lamp (Standard for C/D)
- ◆ Coolant system (Standard for C/D)
- ◆ Tool probe
- ◆ Electric handwheel
- ◆ Absolute servo motor
- ◆ GSK/Siemens CNC Controller



12000rpm electric spindle



Z axis tool setting



Electric handwheel



GSK/Siemens

Specification	7113A/B	7113C	7113D
<b>Worktable</b>			
Worktable size (L×W)	400x140mm	400x140mm	400x140mm
T-slots size (N×W×D)	3-12/40mm	3-12/40mm	3-12/40mm
<b>Travel</b>			
X axis travel	210mm	210mm	210mm
Y axis travel	120mm	120mm	120mm
Z axis travel	200mm	200mm	200mm
<b>Machining range</b>			
Max. drilling dia.	13mm	16mm	13mm
Max. milling dia.	13mm	16mm	13mm
Max. tapping dia.	N/A	M8	N/A
<b>Spindle</b>			
Distance from spindle center to column	189mm	194mm	200mm
Distance from spindle nose to worktable surface	205mm	215mm	215mm
Spindle speed	3000rpm	3000rpm	12000rpm
Spindle taper	ER20	ER25	ER20
Spindle power	400w	1.2kw	2.2kw
Main motor type	Brushless motor	Servo motor	Frequency motor
<b>Feed</b>			
Feeding motor torque(X/Y/Z)	2.6/2.6/3.2 N.m	2.0/2.0/3.0 N.m	2.0/2.0/3.0 N.m
Feeding motor type	Stepper motor with open loop	Stepper motor with closed loop, Z axis with brake	Stepper motor with closed loop, Z axis with brake
CNC controller system	Mach 3	After-CNC 1500MDC	After-CNC 1500MDC
<b>Size</b>			
Overall size(LxWxH)	590x590x780mm	1150*650*1560mm	1150*650*1560mm
N.W/G.W	90/115kg	310/330kg	310/330kg

### GT7113A/B FEATURES

- ◆ Small size and cheap price
- ◆ Lower noise and high precision
- ◆ Suitable for soft metal material processing
- ◆ Easy operation by P.C
- ◆ Popular for education training and mould machining
- ◆ Best choice for hobby users

### GT7113C FEATURES

- ◆ Servo main motor
- ◆ Suitable for casting and steel processing
- ◆ Low noise and high accuracy
- ◆ Vertical controller panel with easy operation and beauty
- ◆ Rigid tapping function
- ◆ Suitable for mould machining and production in lots

### GT7113D FEATURES

- ◆ 12000rpm high-speed electrical spindle unit
- ◆ With engraving function
- ◆ Suitable for casting and steel processing
- ◆ Low noise and high accuracy
- ◆ Vertical controller panel with easy operation and beauty
- ◆ Suitable for mould machining and production in lots and engraving

CNC MILLING MACHINE

CNC MILLING MACHINE

# CNC LATHE

## EDUCATIONAL AND METAL PROCESSING



PLC DOOR SWITCH



4 POSITION ELECTRIC TOOLPOST



AUTO LUBRICATION



PNEUMATIC SPRING 5C COLLET



Specification	GT180	GT 210
<b>Capacity</b>		
Max. swing over bed	180mm	210mm
Distance between centers	300mm	400mm
Rail width	100mm	100mm
<b>Spindle</b>		
Spindle bore dia.	21mm	26mm
Spindle taper	MT3	MT4/5C(Optional)
Spindle speed range	50-2500rpm	3000rpm
<b>Axis</b>		
X-axis travel	100mm	105mm
Z-axis travel	180mm	270mm
X rapid speed	1500mm/min	3000mm/min
Z rapid speed	1500mm/min	3000mm/min
<b>Motor</b>		
Spindle motor power	750W, 220V/ 1Ph/50Hz	1.2kw
Main motor type	Brushless motor	Servo motor
Controller system	Linux	After 990TDB
X motor torque	1.5N.m	2.4N.m
Z motor torque	2.0N.m	2.4N.m
Min. setting unit	0.001mm	0.001mm
<b>Turret</b>		
Type	Manual type	Electric type
No. of tool stations	4 position	4 position
Max. section of tool	8x8mm	12x12mm
<b>Tailstock</b>		
Tailstock sleeve dia	20mm	22mm
Tailstock sleeve tavel	55mm	50mm
Tailstock sleeve taper	MT2	MT2
<b>Machine Dimensions</b>		
Packing size(without stand)	980X632X520mm	1170X700X860mm
Overall size	1150X755X700mm	1300X800X1500mm
N.W(without stand)	103kg	200kg
N.W	123kg	230kg

### GT 210 FEATURES

- ◆ X/Z feeding motor and main motor:servo motor
- ◆ Machine stand with drawer
- ◆ Small size and cheap price
- ◆ Lower noise and high precision
- ◆ Suitable for educational training and mould machining

### GT210 STANDARD ACCESSORIES

- ◆ Manual 3-jaw chuck
- ◆ 4 position electric toolpost
- ◆ Manual lubrication system
- ◆ Cooling system
- ◆ Working lamp
- ◆ Tool box with tools

### GT210 OPTIONAL ACCESSORIES

- ◆ Machine stand
- ◆ GSK980Tdc CNC Controller
- ◆ Siemens 808D CNC Controller
- ◆ Pneumatic Spring 5C Collet
- ◆ Auto lubrication
- ◆ PLC door switch

# CNC SWISS LATHE

- ◆ A large number of cutting tools, fast tool exchange
- ◆ It can process various parts with ultra-fine length
- ◆ Live tools meet the requirements of turning and milling (Live tools as optional)
- ◆ Reasonable layout with small shape and footprint



Specification	0703	1303	203
<b>Capacity</b>			
Max. Bar Dia.	Φ7mm	Φ13mm	Φ20mm
Max length of workpiece	150mm	180mm	330mm
Slide guide mode	Linear Guide Rail	Linear Guide Rail	Linear Guide Rail
<b>Spindle</b>			
Spindle bore	Φ8mm	Φ14mm	Φ21mm
Drilling Spindle Size	ER8/12mm	ER11/16mm	ER11/20mm
CNC controller model	YZ150	YZ190	YZ190
Spindle speed	0-5000r/min	0-5000r/min	0-6000r/min
The height of spindle center from ground	890mm	980mm	980mm
<b>Axis</b>			
X axis travel	38mm	60mm	80mm
Y axis travel	80mm	200mm	150mm
Z axis travel	150mm	180mm	330mm
X/Y/Z Axis rapid feed speed	15/15/15m/min	24m/min	20m/min
Cutting speed	1-4000mm/min	1-4000mm/min	1-4000mm/min
<b>Tool post</b>			
Gang tool	12 Nos.	10 Nos.	14 Nos.
Front drilling	3 Nos.	4 Nos.	4 Nos.
Turning tool	8 Nos.	6 Nos.	10 Nos.
Tool size	8x8mm	10x10mm	12x12mm
<b>Motor</b>			
Min. setting unit	0.001mm	0.001mm	0.001mm
X Axis Pulse Equivalent	0.0005mm	0.0005mm	0.0005mm
Y Axis Pulse Equivalent	0.001mm	0.001mm	0.001mm
Z Axis Pulse Equivalent	0.001mm	0.001mm	0.001mm
Max. Programming size	±9999.999	±9999.999	±9999.999
X/Y/Z Axis Fast Feed Rate	15/15/15m/min	24m/min	20m/min
Input Pressure of Compressed Air	0.4-0.6Mpa	0.4-0.6Mpa	0.4-0.6Mpa
Spindle power	2kw	2kw	2.2kw
X/Y/Z Axis Servo Motor Power	0.4/0.4/0.4kw	0.75/0.75/0.75kw	0.75/0.75/0.75kw
Cutting motor power	0.12kw	0.18kw	0.18kw
Total input power	4.5kw	5kw	5kw
<b>Machine Dimensions</b>			
Overall dimension (L×W×H)	1415x700x1680mm	1530x1150x1790mm	1600x1170x1860mm
Weight	600kg	800kg	1220kg

## Standard accessories

- ① Different Wrenches
- ② Leveling bolts and blocks
- ③ Semi-automatic bar feeder
- ④ Instructions
- ⑤ Tool box

## Optional accessories

- ① Rotary guide bush
- ② Side live tools
- ③ Different collets for option

# SLANT-BED CNC LATHE



**GT60L**



**GT40L**

## FEATURES

- ◆ High precision slant CNC lathe with Taiwan screw & linear guideway.
- ◆ High precision cartridge type spindle ensure the rigidity and precision.
- ◆ Taiwan high precision C3 grade ball screw ensure positioning accuracy more stable.
- ◆ Siemens, Fanuc, Syntec, Fagor controller as optional.
- ◆ Monoblock cast iron of the whole machine ensure high rigidity.

### Standard accessories

- ① GSK 980Tdc controller.
- ② GSK feed motor and driver
- ③ Sleeve type spindle unit
- ④ GSK servo spindle motor 7.5kw
- ⑤ Hydraulic 3-jaw chuck 200mm
- ⑥ Hydraulic tailstock
- ⑦ 8 station electric turret
- ⑧ Working light
- ⑨ Automatic lubrication system
- ⑩ Automatic cooling system
- ⑪ Taiwan screw and Linear guide rail

### Optional accessories

- ① Siemens/Fanuc CNC Controller
- ② 6 or 8 station hydraulic turret
- ③ 12 station hydraulic turret
- ④ 12 station driven tool turret
- ⑤ Spring collet
- ⑥ Automatic bar-feeder
- ⑦ Chip conveyor

Specification	32L	36L	GT40L	50L	GT60L
<b>Capacity</b>					
Max. swing dia. over bed	φ320mm	φ360mm	φ400mm	φ500mm	φ600mm
Max. length of workpiece	500mm	500,*750mm	500,*750mm	750mm	1000mm
Max. swing dia. over slide	φ160mm	φ180mm	φ220mm	φ250mm	φ300mm
<b>Spindle</b>					
Spindle speed range	4000rpm	4000rpm	4000rpm,*3000rpm	4000rpm,*3000rpm	3000rpm
Spindle bore	φ56	φ56,*φ66mm	φ66mm	φ66mm,*φ86mm	φ86mm
Max. dia. of through-hole	φ40mm	φ40mm,*φ50mm	φ50mm	φ50mm,*φ70mm	φ70mm
Spindle nose	A2-5	A2-5,*A2-6	A2-6	A2-6,*A2-8	A2-8
Chuck size	φ160mm	φ160mm,*φ200mm	φ200mm,*φ250mm	φ200mm,*φ250mm	φ300mm
<b>Axis</b>					
Type of guideway & screw	Taiwan linear guideway & screw				
X axis travel	210mm	210mm	250mm	280mm	350mm
Z axis travel	500mm	500,*750mm	500,*750mm	750mm	1000mm
X/Z axis rapid traverse	15/15 m/min	15/15 m/min	15/15 m/min	15/15 m/min	15/15 m/min
<b>Turret</b>					
Type	Electric turret,*Hydraulic turret		Electric turret,*Hydraulic turret,*Power turret		
No. of tool stations	8 position	8 position	8,*12 position	8,*12 position	8,*12 position
Tool shank size	20×20mm	20×20mm	25x25,*20x20mm	25x25,*20x20mm	25x25,*20x20mm
<b>Tailstock</b>					
Type of tailstock	Hydraulic sleeves	Hydraulic sleeves	Hydraulic sleeves	Hydraulic sleeves	Hydraulic sleeves
External diameter	φ60mm	φ60mm	φ75mm	φ90mm	φ90mm
Travel of tailstock quill	80mm	80mm	80mm	120mm	120mm
Taper of tailstock quill	MT4	MT4	MT4	MT5	MT6
<b>Motor</b>					
Spindle motor power	4kw,*5.5kw	5.5kw,*7.5kw	7.5kw,*11kw	7.5kw,*11kw	11kw,*15kw
Coolant pump power	370w	370w	370w	370w	370w
<b>Machine Dimensions</b>					
Overall dimension (L×W×H)	2700×1550×1700mm	2700,*3050×1550×1700mm	2600,*2950×1730,*1780×1850mm	2950x1780x1850mm	3450x1780x1950mm
Packing size(L×W×H)	2950×2260×2280mm	2950,*3300×2260×2280mm	3000,*3300×2270×2280mm	3300x2270x2280mm	3800x2270x2380mm
N.W/G.W	2600/2900kg	2900/3200,*3300/3600kg	3500/380,*4000/4300kg	4200/4500kg	4900/5200kg

SLANT-BED CNC LATHE

SLANT T-BED CNC LATHE

# HIGH SPEED CNC TURN-MILL MACHINING



## Standard accessories

- ① Hydraulic 3-jaw chuck
- ② 12-position servo turret
- ③ Auto lubrication system
- ④ Auto coolant system
- ⑤ Hydraulic tailstock
- ⑥ LED working lamp
- ⑦ Tri-color alarm light
- ⑧ Fully enclosed guard
- ⑨ Hydraulic system
- ⑩ Heat exchanger of electric cabinet

## Optional accessories

- ① Siemens/Fanuc CNC controller
- ② Industrial Robot
- ③ 12-position power turret
- ④ Y axis
- ⑤ 0° power tool holder
- ⑥ 90° power tool holder
- ⑦ Auto chip conveyor
- ⑧ Auto tool setter
- ⑨ Auto bar feeder
- ⑩ Hydraulic steady rest
- ⑪ Oil mist collector
- ⑫ Air conditioner of electric cabinet



X-AXIS TELESCOPIC COVER



12-POSITION POWER TURRET



Y AXIS

HIGH SPEED CNC TURN-MILL

HIGH SPEED CNC TURN-MILL

Specification	52-500	52-750	52-1000	52-1500
<b>Capacity</b>				
Max. swing over bed	Φ560mm	Φ560mm	Φ560mm	Φ560mm
Max. turning length	500mm	750mm	1000mm	1500mm
Max. turning dia.	Φ480mm	Φ480mm	Φ480mm	Φ480mm
Max. swing dia. over slide	Φ380mm	Φ380mm	Φ380mm	Φ380mm
Spindle bore dia.	Φ66mm	Φ66mm	Φ66mm	Φ66mm
Max. bar dia.	Φ52mm	Φ52mm	Φ52mm	Φ52mm
Bed type and slant angle	Integrated bed/30°	Integrated bed/30°	Integrated bed/30°	Integrated bed/30°
<b>Spindle</b>				
Spindle nose	A2-6/8inch (optional 10inch)	A2-6/8inch (optional 10inch)	A2-6/8inch (optional 10inch)	A2-6/8inch (optional 10inch)
Spindle speed range	0-4200rpm	0-4200rpm	0-4200rpm	0-4200rpm
Spindle output torque	95N.m	95N.m	95N.m	95N.m
Servo spindle motor	11kw	11kw	11kw	11kw
Spindle chuck	Hydraulic 3-jaw chuck/pull-back chuck	Hydraulic 3-jaw chuck/pull-back chuck	Hydraulic 3-jaw chuck/pull-back chuck	Hydraulic 3-jaw chuck/pull-back chuck
Chuck pressure detection relay	Taiwan	Taiwan	Taiwan	Taiwan
<b>Feed Axis Assembly</b>				
X-axis travel	255mm	255mm	255mm	255mm
Z-axis travel	500mm	750mm	1000mm	1500mm
X/Z-axis spindle guide rails	Japanese THK (GH45)	Japanese THK (GH45)	Japanese THK (GH45)	Japanese THK (GH45)
X/Z-axis ball screws	Japanese THK (3210/4010)	Japanese THK (3210/4010)	Japanese THK (3210/4010)	Japanese THK (3210/4010)
X/Z-axis torque	12 N.m (1.8 kW) / 22 N.m (2.5 kW)	12 N.m (1.8 kW) / 22 N.m (2.5 kW)	12 N.m (1.8 kW) / 22 N.m (2.5 kW)	12 N.m (1.8 kW) / 22 N.m (2.5 kW)
X/Z-axis rapid feed	30/30 m/min	30/30 m/min	30/30 m/min	30/30 m/min
<b>Turret Parameters</b>				
Turret type	12T servo turret	12T servo turret	12T servo turret	12T servo turret
Power head model	BMT55	BMT55	BMT55	BMT55
<b>Hydraulic Tailstock</b>				
Quill dia.	80mm	80mm	80mm	80mm
Quill travel	80mm	80mm	80mm	80mm
Quill taper	MT5#	MT5#	MT5#	MT5#
<b>Accuracy Parameters</b>				
X/Z-axis positioning accuracy	0.008mm	0.008mm	0.008mm	0.008mm
X/Z-axis repeat positioning accuracy	0.005mm	0.005mm	0.005mm	0.005mm
<b>Machine dimensions</b>				
Overall dimension (L×W×H)	2850×2060×1820mm	3150×2060×1820mm	3550×2160×1920mm	3890×2220×2020mm
Machine weight	3500kg	3900kg	4300kg	4800kg

# SLANT-BED CNC LATHE



**8-POSITION  
SERVO TURRET**



**12-POSITION  
POWER TURRET**



**Y AXIS**

## Standard accessories

- ① GSK988TA CNC controller
- ② Hydraulic 3-jaw chuck
- ③ 8-position servo turret
- ④ Auto lubrication system
- ⑤ Auto coolant system
- ⑥ Hydraulic tailstock
- ⑦ LED working lamp
- ⑧ Tri-color alarm light
- ⑨ Fully enclosed guard
- ⑩ Hydraulic system
- ⑪ Heat exchanger of electric cabinet

## Optional accessories

- ① Siemens/Fanuc CNC controller
- ② 12-position power turret
- ③ Y axis (for TCK56A, TCK66A)
- ④ 0° power tool holder
- ⑤ 90° power tool holder
- ⑥ Auto chip conveyor
- ⑦ Auto tool setter
- ⑧ Auto bar feeder
- ⑨ Hydraulic steady rest
- ⑩ Oil mist collector
- ⑪ Air conditioner of electric cabinet

Specification	50A-500	56A-500	56A-1000
<b>Capacity</b>			
Max. swing dia. over bed	φ560mm	φ560mm	φ560mm
Max. processing length	480mm	460mm	960mm
Max. turning dia.	Φ430mm (Disc parts) Φ310mm (Shaft parts)	Φ460mm (Disc parts) Φ340mm (Shaft parts)	Φ460mm (Disc parts) Φ340mm (Shaft parts)
Max. swing dia. over slide	φ310mm	φ340mm	φ340mm
Bed type and slant angle	Integrated bed/30°	Integrated bed/45°	Integrated bed/45°
<b>Spindle</b>			
Spindle speed range	50~3000rpm	50~3000rpm	50~3000rpm
Max. spindle bore dia.	φ65mm	φ65mm, *φ85mm	φ65mm, *φ85mm
Max. bar dia.	φ50mm	φ50mm, *φ70mm	φ50mm, *φ70mm
Spindle nose	A2-6	A2-6, *A2-8	A2-6, *A2-8
Max. spindle output torque	150N.m	150N.m	150N.m
Spindle motor power	11kw	11kw	11kw
Hydraulic chuck size	8", *10"	10"	10"
<b>Axis</b>			
X axis travel	220mm	220mm	220mm
Z axis travel	560mm	560mm	1060mm
X axis rapid traverse	30m/min	30m/min	30m/min
Z axis rapid traverse	30m/min	30m/min	30m/min
<b>Turret</b>			
Type	Servo turret	Servo turret	Servo turret
No. of tool station	8 position, *12 position	8 position, *12 position	8 position, *12 position
Tool shank size	25×25mm	25×25mm	25×25mm
Boring tool shank size	φ32/φ40mm	φ32/φ40mm	φ32/φ40mm
<b>Tailstock</b>			
Tailstock travel	350mm	450mm	950mm
Taper of tailstock quill	MT5	MT5	MT5
<b>Max. loading capacity</b>			
Disk parts	200kg	200kg	200kg
Shaft parts	500kg	500kg	500kg
<b>Machine dimensions</b>			
Overall dimension (L x W x H)	2775×1842×1866mm	2850×2068×1880mm	3660×2070×1880mm
Machine weight	3650kg	4000kg	4500kg

Note: "\*" means optional.

# SLANT-BED CNC LATHE



## Standard accessories

- ① GSK988TA CNC controller
- ② Hydraulic 3-jaw chuck
- ③ 12-position servo turret
- ④ Auto lubrication system
- ⑤ Auto coolant system
- ⑥ Hydraulic tailstock
- ⑦ LED working lamp
- ⑧ Tri-color alarm light
- ⑨ Fully enclosed guard
- ⑩ Hydraulic system
- ⑪ Heat exchanger of electric cabinet

## Optional accessories

- ① Siemens/Fanuc CNC controller
- ② 12-position power turret
- ③ Y axis
- ④ 0° power tool holder
- ⑤ 90° power tool holder
- ⑥ Auto chip conveyor
- ⑦ Auto tool setter
- ⑧ Auto bar feeder
- ⑨ Hydraulic steady rest
- ⑩ Oil mist collector
- ⑪ Air conditioner of electric cabinet

Specification	TCK66-1000/1500/2000/3000	TCK66Y-1000/1500/2000/3000	TCK80-1000/1500/2000/3000	TCK80Y-1000/1500/2000/3000
<b>Capacity</b>				
Max. swing dia. over bed	φ650mm	φ650mm	φ780mm	φ780mm
Max. length of workpiece	850/1500/2000/3000mm	750/1350/1750/2750mm	1000/1500/2000/3000mm	850/1350/1750/2750mm
Recommended standard turning diameter	φ305mm	φ305mm	φ460mm	φ380mm
Max. turning dia.	φ500mm(disc parts) φ400mm(shaft parts)	φ450mm(disc parts) φ380mm(shaft parts)	φ630mm(disc parts) φ450mm(shaft parts)	φ500mm(disc parts) φ450mm(shaft parts)
Max. swing dia. over slide	φ500mm	φ500mm	φ560mm	φ560mm
Bed type and slant angle	Integrated bed/30°	Integrated bed/30°	Integrated bed/30°	Integrated bed/30°
<b>Spindle</b>				
Spindle speed range	60-2000r/min	60-2000r/min	50-1200r/min	50-1200r/min
Spindle bore	φ86mm	φ86mm	φ110mm	φ110mm
Max. bar diameter	φ70mm	φ70mm	φ90mm	φ90mm
Spindle nose	A2-8	A2-8	A2-11	A2-11
Max. spindle output torque	343N.m	343N.m	423N.m	423
Spindle motor	15KW	15KW	18.5KW	18.5KW
Hydraulic chuck size	12", *15"	12", *15"	12", *15"	12", *15"
<b>Axis</b>				
X axis travel	360mm	360mm	400mm	400mm
Z axis travel	850/1500/2000/3000mm	850/1500/2000/3000mm	1000/1500/2000/3000mm	1000/1500/2000/3000mm
Y axis travel	/	±50mm	/	±50mm
X axis rapid traverse	16 Line-rail(12 Hard-rail)/m/min	16 Line-rail(12 Hard-rail)/m/min	16 Line-rail(12 Hard-rail)/m/min	16 Line-rail(12 Hard-rail)/m/min
Z axis rapid traverse	16 Line-rail(12 Hard-rail)/m/min	16 Line-rail(12 Hard-rail)/m/min	16 Line-rail(12 Hard-rail)/m/min	16 Line-rail(12 Hard-rail)/m/min
Y axis rapid traverse	/	10m/min	/	10m/min
<b>Turret</b>				
Type	Horizontal hydraulic	Customized boring tool box	Horizontal hydraulic	Customized boring tool box
No. of tool station	12 position	12 position	12 position	12 position
Tool shank size	25×25mm	25×25mm	32×32mm	25×25mm
Boring tool shank size	φ40mm	φ40mm	φ50mm	φ50mm
<b>Tailstock</b>				
Tailstock travel	150mm	150mm	150mm	150mm
Taper of tailstock quill	MT5	MT5	MT5	MT5
<b>Max. Loading Capacity</b>				
Disk parts	400kg	400kg	500kg	500kg
Shaft parts	800kg	800kg	1000kg	1000kg
<b>Machine Dimensions</b>				
Overall dimension(L x W x H)	4070/4820/5320/6320×2436×2480mm	4070/4820/5320/6320×2436×2480mm	4200/4920/5420×2680×2700mm 6420x2780x2800(for 3000mm length)	4200/4920/5420×2680×2700mm 6420x2780x2800(for 3000mm length)
Machine weight	5900/7300/8200/10500kg	5900/7300/8200/10500kg	7500/9000/10500/13000kg	7500/9000/10500/13000kg

SLANT-BED CNC LATHE

SLANT-BED CNC LATHE

# SLANT-BED CNC LATHE



### Standard accessories

- ① Hydraulic 3-jaw chuck
- ② PRAGATI 8-station turret BTP80
- ③ Automatic lubrication system
- ④ Automatic coolant system
- ⑤ Hydraulic tailstock
- ⑥ LED working lamp
- ⑦ Tri-color alarm light
- ⑧ Fully enclosed guard
- ⑨ Hydraulic system
- ⑩ Heat exchanger of electric cabinet

### Optional accessories

- ① 12-Station turret
- ② Different chucks and collets
- ③ Automatic tailstock
- ④ Chip conveyor
- ⑤ Tool setter
- ⑥ Bar feeder
- ⑦ Oil mist collector
- ⑧ Air conditioner of electric cabinet
- ⑨ Hydraulic steady rest



Specification	6	8	8H	10	SWL12	15	18
<b>Capacity</b>							
Hydraulic chuck size	6", "8"	8", "10"	8", "10"	10"	12", "15"	15", "12"	18", "15"
Max. swing dia. over bed	φ400mm	φ450mm	φ550mm,	φ520mm, φ570mm	φ530mm, φ570mm	φ650mm	φ800mm
Max. length of workpiece	300, *400mm	450mm	750mm, *1100mm	*750, *900, *1600, *1800mm	*750, *900, *1600, *1800mm	1320, *1820mm	750mm
	6" chuck)			(C2C750, *1000, *1600, *2000)mm	(C2C750, *1000, *1600, *2000)mm	(C2C 1500, *2000)mm	*1000, *1500mm
Max. swing dia. over slide	φ220mm	φ220mm	φ360mm	φ280mm, *360mm	φ280mm, φ360mm	φ500mm	φ600mm
<b>Spindle</b>							
Spindle bore	φ55mm, φ62mm	φ62mm, φ75mm	φ62mm, φ75mm	φ86mm, φ75mm	φ105mm, φ120mm	φ105mm, φ120mm	φ110mm, φ120mm
Max. dia. of through-hole	φ46mm, φ52mm	φ52mm, φ65mm	φ52mm, φ65mm	φ75mm, φ65mm	φ91mm, φ110mm	φ91mm, φ110mm	φ95mm, φ110mm
Spindle nose	A2-5, *A2-6	A2-6, *A2-8	A2-6, *A2-8	A2-8, A2-8	A2-8, *A2-11	A2-8, *A2-11	A2-11, *A2-11
Spindle speed range	4500rpm, *4000rpm	4000rpm, *2000rpm, *1600rpm, *3500rpm	4000rpm, *2000rpm	3000rpm, *3500rpm	1800rpm, *1000rpm	1800rpm, *1000rpm, *1000rpm	1500rpm, *1000rpm
Main motor power	7.5/11kw	7.5/11kw, *11/15kw	7.5/11kw, *11/15kw	11/15kw, *15/18.5kw	11/15kw, *15/18.5kw	15/18.5kw	15/18.5kw, *18.5/22kw
<b>Axis</b>							
X axis travel	150mm	170mm	250mm	280mm	280mm	300mm	380mm
Z axis travel	300, *400mm(φchuck)	450mm	750mm	750, *1000, *1600mm*2000mm	750, *1000, *1600, *2000mm	1500, *2000mm	750, *1000, *1500mm
X/Z rapid traverse	20/20m/min	20/20m/min	20/20m/min	15/20m/min	15/20m/min	15/20m/min	15/20m/min
<b>Turret</b>							
Center height	80mm	80mm	80mm, *100mm	100mm	100mm	125mm	125mm
No. of tool stations	8, *12 position	8, *12	8, *12 position	8, *12 position	8, *12 position	8, *12 position	8, *12 position
Tool shank size	25x25, *20x20mm	25x25, *20x20mm	25x25mm	25x25mm	25x25mm	32x32mm	32x32mm
<b>Tailstock</b>							
Type of tailstock	Hydraulic, *HPT	Hydraulic, *SST, *HPT	Hydraulic, SST, *SPT	Hydraulic, *HPT, *SST	Hydraulic, *HPT, *SST	SST, *SPT	SST
Taper of tailstock quill	MT4	MT4	MT3	MT5	MT5	MT5	MT6
Travel of tailstock quill	90mm	90mm	150mm	150mm	150mm	150mm	0
Travel of tailstock	80-300mm, *400mm	100-450mm	750, *1100mm	100-750,	100-750, *1000,	100-1320,	100-750, *200-1000,
				*1000, *1600, *1800mm	*1600, *100-1800mm	*100-1820mm	*200-1500mm
<b>Structure</b>							
Slant bed degree	35°, *45°	35°	35°	35°	35°	45°	45°
Guideway type	LM	LM	LM	LM	LM	LM	LM
<b>Others</b>							
Power capacity	14kVA	15kVA	16kVA, *18kVA	18kVA	20kVA	25kVA	32kVA
Overall dimension (L*W*H)	2510x1910x2010mm	2700x1750x1950mm	2960x1950x2200mm	3350x2000x2350mm	3350x2000x2350mm	4550x2270x2550mm	3900x2200x2550mm
Machine weight	2900kg	3700kg	5200kg	5850kg	5900kg	10500kg	9100kg

Note: "" means optional; "LM" means linear motion guideway.  
 \*HPT means linear motion guide way, automatic hydraulic driven body move tailstock.  
 \*SST means small spindle hydraulic tailstock. \*SPT means servo programmable tailstock.

# CNC TURN-MILL MACHINING CENTER



## Standard accessories

- ① Hydraulic 3-jaw chuck
- ② 12-station power turret
- ③ Y axis (only for Y models)
- ④ Hydraulic tailstock (Except sub-spindle models)
- ⑤ LED working lamp
- ⑥ Tri-color alarm light
- ⑦ Automatic lubrication system
- ⑧ Automatic coolant system

## FEATURES

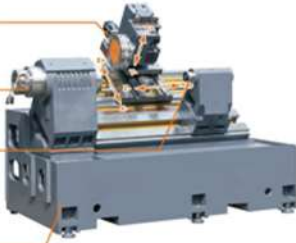
- ◆ The models are turning centers able to flexibly handle various workpieces. They feature Belt-Driven or Direct Driven Spindle (Built-in Motor) that achieves high speed with great rigidity, and outstanding C axis accuracy. 12-station Power turret enables operators to perform machining of workpieces from simple to complex shaped components with one set up operation.
- ◆ Sub-spindle models come with standard configuration cylindrical roller heavy-duty linear motion guideway, preloaded high-grade ball screw, NSK bearing, DDS spindle, centralized lubricating oil, modular design and manufacture using only the best parts and materials to Handles maximum capacity with ease.

Driven Tool Turret with Y axis

Large Torque Direct Driven Spindle

Super Rigid Small Spindle Type Tailstock

Wide Span Base and Bed Module design provides foundation of reliability



BMT 动力刀塔  
BMT Power Turret



## Optional accessories

- ① Chucks and collets as options
- ② CNC systems as options
- ③ Auto bar feeder
- ④ Tool setter
- ⑤ Chip conveyor
- ⑥ Live tools
- ⑦ Steady rest

500EY frame.

Specification	500	600	700	500EY	L8S	500S	500SY	500ESY
<b>Capacity</b>								
Hydraulic chuck size	8"	10", *12"	15"	8", *10"	8"(main spindle)	8"(main spindle)	8"(main spindle)	8"(main spindle)
Max. swing dia. over bed	φ550 mm	φ600mm	φ620 mm	φ600mm	φ600mm	φ600mm	φ460mm	φ650mm
Max. turning diameter	N/A	N/A	N/A	φ320mm	φ320mm	φ320mm	φ320mm	φ320mm
Max. length of workpiece	370,*470 mm	700,*900,*1700mm	1250mm,*1700mm	650,*1000,*1500mm	650,*900mm	650,*900mm	400mm	600,*900,*1500mm
Max. swing dia. over slide	φ320 mm	φ360 mm	φ360mm	φ430mm	φ360mm	φ360mm	φ380 mm	φ460mm
<b>Spindle</b>								
Dia. of spindle bore	φ66mm	φ86mm	φ105mm	φ66mm,*φ75mm	φ66mm	φ66mm	φ66mm	φ66mm
Max. dia. of through-hole	φ52mm	φ75mm	φ91mm	φ52mm,*φ65mm	φ52mm	φ52mm	φ52mm	φ52mm
Spindle nose	A2-6	A2-8	A2-8	A2-6 *A2-8	A2-6	A2-6	A2-6	A2-6
Max. spindle speed	4000rpm	3000rpm	1800rpm	4000rpm,*3000rpm	4000rpm	4000rpm	4000rpm	4000rpm
Main motor power	22/30kw	Belt:18.5/15kw	Belt:18.5/15kw	22/30kw*11.0/15.0kw	22/30kw	22/30kw	22/30kw	22/30kw
<b>Sub Spindle</b>								
Hydraulic chuck size	N/A	N/A	N/A	N/A	6"	6"	6"	6"
Dia. of spindle bore	N/A	N/A	N/A	N/A	φ55mm	φ55mm	φ55mm	φ55mm
Max. dia. of through-hole	N/A	N/A	N/A	N/A	φ46mm	φ46mm	φ46mm	φ46mm
Spindle nose	N/A	N/A	N/A	N/A	A2-5	A2-5	A2-5	A2-5
Max. spindle speed	N/A	N/A	N/A	N/A	5000rpm	5000rpm	5000rpm	5000rpm
Main motor power	N/A	N/A	N/A	N/A	11/15kw	11/15kw	11/15kw	11/15kw
<b>Axis</b>								
X axis travel	260mm	280mm	300mm	250mm	250mm	250mm	180mm	200mm
Z axis travel	400,*500 mm	700,*900,*1800mm	1250,*1700mm	650,*1000,*1500mm	650,*900mm	650,*900mm	400mm	620,*900,*1500mm
Z1/Z2 axis travel	N/A	N/A	N/A	N/A	600,*850 mm	600,*850 mm	400mm	590,*850,*1450mm
Y axis travel	N/A	N/A	N/A	100(±50),*140(±70)mm	N/A	N/A	100(+50) mm	100(+50),*140(+70)mm
X axis rapid traverse	20m/min	20m/min	15m/min	20m/min	20m/min	20m/min	18m/min	20m/min
Z axis rapid traverse	20m/min	20m/min	20m/min	20m/min	20m/min	20m/min	30m/min	20m/min
Y axis rapid traverse	N/A	N/A	N/A	12 m/min,*7m/ min	N/A	N/A	10m/min	12 m/min,*7m/ min
<b>Turret</b>								
Type of turret	VDI30,*BMT45	BMT55,*VDI40	BMT65	BMT45,*BMT55	BMT55	BMT55	BMT55	BMT55
No. of tool	12 position	12 position	12 position	12 position	12 position	12 position	12 position	12 position
OD tool shank size	20x20mm	25x25mm	25x25mm	20*20,*25*25mm	25x25mm	25x25mm	25x25mm	20x20,*25x25mm
Boring tool shank size	φ32mm	φ32mm	φ40mm	φ32 mm,*φ40 mm	φ40 mm	φ32mm	φ40mm	φ40mm
Max. speed of live tooling	4000,*5000rpm	4000,*5000rpm	4000,*5000rpm	4000,*5000rpm	N/A	4000,*5000rpm	5000rpm	4000,*5000rpm
Boring depth of sub spindle	N/A	N/A	N/A	N/A	115,*145mm	115,*145mm	115,*145mm	115,*145mm
<b>Structure</b>								
Slant bed degree	35°	35°	45°	35°	35°	35°	45°	35°
Guideway type	LM	LM	LM	LM	LM	LM	LM	LM
<b>Tailstock</b>								
Type of tailstock	Hydraulic,*HPT	Hydraulic,*SPT,*HPT	SST-LM,*SPT	SST,*SPT	N/A	N/A	*SPT	N/A
Taper of tailstock quill	MT4	MT5	MT5	MT3 (spindle unit type)	N/A	N/A	*MT5	N/A
Travel of tailstock	100-370,*470mm	100-750,*1000,*1700mm	100-1250mm	100-650mm	N/A	N/A	*80-400	N/A
<b>Others</b>								
Overall dimension (L×W×H)	2750×1950×2200mm	3200×1920×2250mm	4550×2270×2550mm	3000×1780×2050mm	3020x1950x2200mm	3020x1950x2200mm	2500x1850x2250mm	3100x2000x2250mm
Machine weight	4600kg	6000,*7000,*8100kg	10700kg	4800kg	5200kg	5200kg	5900kg	5300kg

Note: "\*" means optional,"LM" means linear motion guideway.Tailstock"Hydraulic"means automatic hydraulic driven tailstock sleeve."HPT"means linear motion guide way,automatic hydraulic driven body move tailstock. "SST"means small spindle hydraulic tailstock.

CNC TURN-MILL MACHINING CENTER

CNC TURN-MILL MACHINING CENTER

# ELECTRICAL LATHE MACHINE



## Standard accessories

- ① Operation system
- ② Cooling system
- ③ Working light
- ④ Machine stand with oil tray
- ⑤ Chuck protection
- ⑥ Dead center
- ⑦ Tool box with tools

## Optional accessories

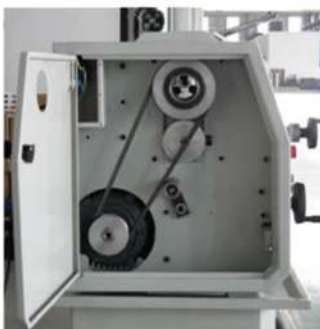
- ① Turning tools
- ② Live center
- ③ Quick change toolpost

ELECTRICAL LATHE MACHINE

ELECTRICAL LATHE MACHINE



**OPERATION SYSTEM**



**GEARLESS HEADSTOCK**

Specification	GT370
Max. swing over bed	370mm
Max. swing over cross slide	206mm
Distance between centers	950mm
Width of bed	180mm
Spindle bore dia.	55mm
Spindle taper	MT6
Spindle speed steps	Variable speed
Cross slide travel	700mm
Compound rest travel	185mm
Spindle speed range	70-2000rpm
Max. section of tool	20x20mm
Threads inch pitches	80-114 TPI
Threads metric pitches	0.25-12mm
Tailstock quill taper and travel	MT3/90mm
Tailstock quill diameter	40mm
Main motor power	2.2kw
Coolant pump power	40w
Packing size	1800x800x650mm
N.W/G.W	500/550kg

# FLAT-BED CNC LATHE



## FEATURES

- ◆ High precision CNC flat bed lathe with hard rail.
- ◆ The bed ways are induction hardened, with hardness around HRC50.
- ◆ Spindle with high precision bearings ensure the rigidity and precision.
- ◆ Good quality grinding grade ball screw ensure positioning accuracy is more stable.
- ◆ Choose Intergral cast iron base ensure high rigidity of the whole machine.

## Standard accessories

- ① 3 jaw hydraulic chuck with hydraulic station
- ② 3 pcs gang tool holders + 4 positions electrical toolpost
- ③ Work light
- ④ Automatic lubrication system
- ⑤ Automatic coolant system
- ⑥ CE safety door
- ⑦ Leveling block set

Specification	GT 350	GT350
<b>Capacity</b>		
Chuck size	6"	6"
Max. swing dia. over bed	350mm	350mm
Max. swing dia. over slide	150 mm	150 mm
Distance between centers	300/600mm	300/600mm
Width of bed	280mm (linear guideway)	280mm (linear guideway)
<b>Spindle</b>		
Spindle type	Split mechanical spindle	Intergral mechanical spindle unit
Spindle speed range	20-2500 rpm	20-3000 rpm
Spindle bore	Φ48mm	Φ48mm
Max. dia. of through hole	Φ40mm	Φ40mm
Spindle nose	A2-5	A2-5
<b>Axis</b>		
X axis travel	600mm	600mm
Z axis travel	300/600mm	300/600mm
X/Z axis rapid traverse	20/20m/min	20/20m/min
<b>Turret type</b>		
Turret type	Electrical type	Gang tool type
No. of tool stations	6 position	3 pcs gang tool holders + 4 positions electrical toolpost
Max. section of tool	25x25mm	25x25mm
<b>Motor</b>		
Spindle motor power	4kw for 300mm/ 5.5kw for 600mm	4kw for 300mm/ 5.5kw for 600mm
Coolant pump power	90w	90w
<b>Machine Dimension</b>		
Packing size(L×W×H)	1960/2360×1520×1810mm	1960/2360×1520×1810mm
N.W	930/1300kg	930/1300kg

# FLAT-BED CNC LATHE



### Standard accessories

- ① GSK controller
- ② Stepless Spindle
- ③ Variable frequency spindle motor
- ④ Manual 3-jaw chuck
- ⑤ Manual tailstock
- ⑥ 4-station electric turret
- ⑦ Working light
- ⑧ Automatic lubrication system
- ⑨ Automatic Coolant System
- ⑩ Leveling bolts and blocks

### Optional accessories

- ① Siemens/Fanuc CNC Controller
- ② Servo spindle motor
- ③ Hydraulic chuck & tailstock
- ④ Pneumatic chuck & tailstock
- ⑤ 6 or 8 station electric turret
- ⑥ Automatic bar-feeder
- ⑦ Integral cast iron foot
- ⑧ 3-gear spindle speed

## FEATURES

- ◆ High precision CNC flat bed lathe with hard rail.
- ◆ The bed ways are induction hardened, with hardness around HRC50.
- ◆ Spindle with high precision bearings ensure the rigidity and precision.
- ◆ Good quality grinding grade ball screw ensure positioning accuracy is more stable.
- ◆ Choose Integral cast iron base ensure high rigidity of the whole machine.

Specification	6132	6432	6136	6140	6150	6166	6180
<b>Capacity</b>							
Chuck size	6"	8"	8"	10"	10"	10"	12"
Max. swing dia. over bed	320mm	360mm	360mm	400mm	500mm	660mm	800mm
Max. swing dia. over slide	150mm	155mm	210mm(Φ190mm)	Φ240mm(Φ220mm)	285mm	420mm	560mm
Distance between center	500/750/1000mm	500/750/1000/1500mm	500/750/1000/1500mm	500/750/1000/1500mm	750/1000/1500/2000mm	1000/1500/2000/3000mm	1000/1500/2000/3000mm
Width of bed	215mm	260mm	330mm	330mm	400mm	400mm	400mm
<b>Spindle</b>							
Spindle speed range	150-2500rpm	150-2200rpm	150-2200rpm	150-2200rpm	45-180/180-750/600-1600rpm	45-180/180-750/600-1600rpm	45-180/180-750/600-1600rpm
Spindle bore	Φ40mm	Φ60mm	Φ60mm	Φ60mm	Φ82mm	Φ82mm, Φ105mm	Φ82mm, Φ105mm
Max. dia. of through-hole	Φ28mm	Φ50mm	Φ50mm	Φ50mm	Φ70mm	Φ70mm, Φ90mm	Φ70mm, Φ90mm
Spindle nose	A2-5	A2-6	A2-6	A2-6	A2-8(*105mm for A2-11)	A2-8(*105mm for C-11)	A2-8(*105mm for C-11)
Spindle taper	MT5	MT6	MT6	MT6	Φ90mm 1.20*105mm for 105mm 1.20	Φ90mm 1.20*105mm for 120mm 1.20	Φ90mm 1.20*105mm for 120mm 1.20
<b>Axis</b>							
X axis travel	180mm	350mm	250mm	250mm	295mm	310mm	310mm
Z axis travel	500/750/1000mm	500/750/1000mm	500/750/1000/1500mm	500/750/1000/1500mm	750/1000/1500/2000mm	1000/1500/2000/3000mm	1000/1500/2000/3000mm
X/Z axis rapid traverse	6/8m/min	6/8m/min	6/8m/min	6/8m/min	6/8m/min	6/8m/min	6/8m/min
<b>Turret type</b>							
Turret type	Electric type	Electric type	Electric type	Electric type	Electric type	Electric type	Electric type
No. of tool stations	4, *6 position	4, *6, *8 position	4, *6, *8 position	4, *6, *8 position	4, *6, *8 position	4, *6, *8 position	4, *6, *8 position
Max. section of tool	4P (20x20mm), *6P (16x16mm)	4P (20x20mm), *6P (16x16mm)	20x20mm	25x25mm	25x25mm	25x25mm	25x25mm
<b>Tailstock</b>							
External diameter	Φ32mm	Φ50mm	Φ55mm	Φ55mm	Φ80mm	Φ75mm	Φ75mm
Travel of tailstock quill	100mm	110mm	120mm	120mm	150mm	150mm	150mm
Taper of tailstock quill	MT4	MT4	MT4	MT4	MT5	MT5	MT5
<b>Motor</b>							
Spindle motor power	4kw	4kw	5.5kw, *7.5kw	5.5kw, *7.5kw	7.5kw, *11kw	11kw	11kw
Coolant pump power	120w	120w	120w	120w	250w	250w	250w
<b>Machine Dimensions</b>							
Overall dimension (L*W*H)	1620/1850/2100x1150x1600mm	1800/2060x1200x1800mm	1700/2050/2520/3050x1400x1680mm	1700/2050/2520/3050x1400x1680mm	2420/2860/3110/3620x1600x1750mm	2750/3250/3700/4600x1800x2000mm	2750/3250/3700/4600x1800x2000mm
Packing size(L*W*H)	1780/1960/2300x1320x2000mm	1920/2250x1460x2000mm	1850/2250/2640/3200x1530x2020mm	1850/2250/2640/3200x1530x2020mm	2600/3050/3350/3850x1800x2220mm	2900/3400/3800/4700x2000x2250mm	2900/3400/3800/4700x2000x2250mm
N.W	800/900/1050kg	1300/1450kg	1350/1500/1700/2100kg	1400/1600/1800/2200kg	2750/3100/3350/3550kg	2700/2900/3300/3800kg	2800/3000/3500/3900kg
G.W	950/1100/1200kg	1450/1650kg	1550/1700/1900/2300kg	1600/1800/2000/2400kg	3000/3450/3750/3950kg	2900/3200/3600/4300kg	3000/3300/3700/4400kg

# BIG SPINDLE BORE CNC LATHE



Big spindle bore lathe is mainly a special machine tool for pipe thread turning processing, and it can also be used for turning outer circle, boring and flat surface of common lathe. It is applied to processing and repairing drill pipe, drill collar, square drill pipe and casing in petroleum, metallurgy, chemical industry, hvdropower and geological departments.

## Standard accessories

- ① GSK980TC3
- ② Big size chuck
- ③ 4 position electric turret
- ④ Auto-lubrication system
- ⑤ Cooling system
- ⑥ Full cover

## Optional accessories

- ① Different spindle bore and length
- ② 6 station electric turret
- ③ 8 station electric turret
- ④ Steady rest
- ⑤ Siemens and Fanuc CNC controller
- ⑥ Pneumatic Chuck
- ⑦ Hydraulic chuck
- ⑧ Hydraulic tailstock

Specification	6150	6160	61100	61125	61140	61160
<b>Capacity</b>						
Chuck size	3-jaw chuck(320)(380)(400)(400)	3-jaw chuck(500)	3-jaw chuck(400)/4-jaw chuck(1000)	3-jaw chuck(400)/4-jaw chuck(1000)	4-jaw chuck(1000)	4-jaw chuck(1000)
Max. swing dia. over bed	500mm	600mm	1000mm	1250mm	1400mm	1600mm
Distance between center	1000/1500/2000/3000mm	1000/1500/2000/3000mm	1500/2000/3000/4000/5000/6000mm	1500/2000/3000/4000/5000/6000mm	1500/2000/3000/4000/5000/6000mm	1500/2000/3000/4000/5000/6000mm
Max. swing dia. over slide	270mm	370mm	680mm/810mm	930mm/860mm	1010mm	1210mm
Width of bed	400mm	400mm	600/650mm/755mm	600/650mm/755mm	755mm	755mm
<b>Spindle</b>						
Spindle speed range	150-800/70-800/70-700/70-700r/min	70-500/70-500r/min	25-700r/min/10-300r/min	25-700r/min/10-300r/min	10-300r/min	10-300r/min
Mode of spindle speed	stepless Frequency Speed Adjustment	stepless Frequency Speed Adjustment	Three gears, Variable speed in one gear	Three gears, Variable speed in one gear	Three gears, Variable speed in one gear	Three gears, Variable speed in one gear
Spindle bore	110/140/160/170mm	200/225mm	105mm/140mm	105mm/140mm	140mm	140mm
Spindle nose	Short cylindrical thread connection	Short cylindrical thread connection	C11/A2-15	C11/A2-15	A2-15	A2-15
Taper of spindle	N/A	N/A	Metric1:20/120/Metric1:20/150	Metric1:20/120/Metric1:20/150	1:20/140	1:20/140
<b>Axis</b>						
X axis travel	310mm	310mm	520mm	630mm	720mm	820mm
Z axis travel	800mm	800mm	1500mm	1500mm	1500mm	1500mm
X/Z axis rapid traverse	4000/5000mm/min	4000/5000mm/min	4000/5000mm/min	4000/5000mm/min	4000/5000mm/min	4000/5000mm/min
X Axis Motor Speed	1500rpm	1500rpm	1500rpm	1500rpm	1500rpm	1500rpm
X Axis Motor Torque	6N.m	6N.m	15N.m/22N.m	15N.m/22N.m	22N.m	22N.m
X Axis Motor Power	1.5kw	1.5kw	2.4kw/3.5kw	2.4kw/3.5kw	3.5kw	3.5kw
Z Axis Motor Speed	1500rpm	1500rpm	1500rpm	1500rpm	1500rpm	1500rpm
Z Axis Motor Torque	10N.m	10N.m	22N.m/30N.m	22N.m/30N.m	30N.m	30N.m
Z Axis Motor Power	1.5kw	1.5kw	3.5kw/4.7kw	3.5kw/4.7kw	4.7kw	4.7kw
<b>Tailstock</b>						
External diameter	80mm	80mm	100mm/160mm	100mm	160mm	160mm
Travel of tailstock quill	200mm	200mm	250mm/300mm	250mm/300mm	300mm	300mm
Taper of tailstock quill	MT5	MT5	MT6	MT6	MT6	MT6
X/Z ballscrew	X=25/Z=40mm	X=25/Z=40mm	X=32/Z=63-80mm	X=32/Z=63 for 1.5/2m, Z=80mm for 3m/3m+	X=32/Z=63 for 1.5/2m, Z=80mm for 3m/3m+	X=32/Z=63 for 1.5/2m, Z=80mm for 3m/3m+
<b>Turret</b>						
Type	Electric type	Electric type	Electric type	Electric type	Electric type	Electric type
Electric tool-post Model	HAK21192	HAK21192	HAK-21280/SLD170A	HAK-21280/SLD170A	SLD170A	SLD170A
No. of tool stations	4 position	4 position	4 position	4 position	4 position	4 position
Max. section of tool	25x25mm	25x25mm	32x32mm	32x32mm	32x32mm	32x32mm
Turret change time	2.6s	2.6s	4.1s	4.1s	4.1s	4.1s
<b>Motor</b>						
Spindle motor power	7.5kw	7.5kw	15kw	15/22kw	22/30kw	22/30kw
Coolant pump power	0.125kw	0.125kw	0.125kw	0.125kw	0.125kw	0.125kw
Positioning accuracy	0.02mm	0.02mm	0.02mm	0.02mm	0.02mm	0.02mm
Re-positioning accuracy	0.01mm	0.01mm	0.01mm	0.01mm	0.01mm	0.01mm
<b>Machine Dimension</b>						
Overall dimension (L*W*H)	2800*1750*1800mm for 1 M	2800*1800*1850mm for 1 M	3800*2200*2000mm for 1.5M	3800*2300*2150mm for 1.5M	4700*2500*2550mm for 1.5M	4700*2720*2680mm for 1.5M
Packing size(L*W*H)	3050*2300*2050mm for 1 M	3050*2300*2100mm for 1 M	4050*2300*2250mm for 1.5M	4050*2300*2400mm for 1.5M	4950*2500*2800mm for 1.5M	4700*2720*2930mm for 1.5M
N.w	2.5t	3.1t	7.5t	8.5t	12.5t	14.5t

CNC PIPE THREADING LATHE

CNC PIPE THREADING LATHE

# CNC PIPE THREADING LATHE



- ◆ Large spindle aperture with high passability and stable workpiece clamping with double chucks.
- ◆ High quality and high strength cast iron casting overall bed with good rigidity and high precision.
- ◆ The surface of the guide rail is quenched by super audio treatment, with great hardness and long service life.
- ◆ The plinker adopts the plasticizing process of the guide surface, which is wear-resistant and highly accurate.

## Standard accessories

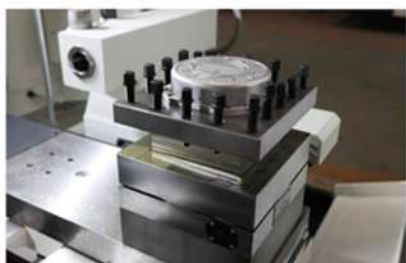
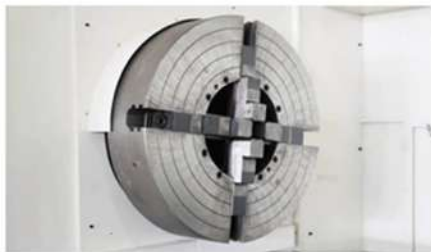
- ① Spindle 2-speed frequency control
- ② Double chuck clamping
- ③ GSK980TC3 system
- ④ Toolbox with tools
- ⑤ Foundation bolt

## Optional accessories

- ① Pneumatic chuck
- ② Hydraulic chuck
- ③ 6/8position electric turret
- ④ Steady rest and follow rest
- ⑤ Rear bracket
- ⑥ Siemens CNC Controller
- ⑦ Fanuc CNC Controller

Specification	1313	1319	1322	1325	1327
<b>Capacity</b>					
Chuck size	3 jaw chuck (380mm)	3 jaw chuck (500mm)	3 jaw chuck (500mm)	4 jaw chuck (630mm)	4 jaw chuck (780mm)
Max. swing dia over bed	630mm	630mm	670mm	800mm	800mm
Max. swing dia over slide	330mm	330mm	370mm	535mm	480mm
Max. length of workpiece	1500mm	1500mm	1500mm	1500mm	1500mm
Width of bed	550mm	550mm	550mm	550mm	600mm
<b>Spindle</b>					
Spindle bore	135mm	200mm	225mm	255mm	280mm
Spindle speed range	(L):0-130r/min (H):130-800r/min	(L):25-120r/min (H):100-500r/min	(L):25-120r/min (H):100-500r/min	(L):15-100r/min (H):100-350r/min	(L):20-100r/min (H):100-300r/min
Power of spindle motor	11kw	11kw	11kw	15kw	15kw
Mode of spindle speed	Variable speed in 2 steps	Variable speed in 2 steps	Variable speed in 2 steps	Variable speed in 2 steps	Variable speed in 2 steps
<b>Axis</b>					
Max.travers of X/Z axis	X:350mm Z:1250mm	X:350mm Z:1250mm	X:350mm Z:1250mm	X:420mm Z:1250mm	X:420mm Z:1250mm
X/Z rapid traverse	4000/6000mm/min	4000/6000mm/min	4000/6000mm/min	4000/6000mm/min	4000/5000mm/min
X-axis motor	Speed: 1500r/min Torgue: 10N.m Power: 1.5kw	Speed: 1500r/min Torgue: 10N.m Power: 1.5kw	Speed: 1500r/min Torgue: 10N.m Power: 1.5kw	Speed: 1500r/min Torgue: 10N.m Power: 2.8kw	Speed: 1500r/min Torgue: 15N.m Power: 2.4kw
Z-axis motor	Speed: 1500r/min Torgue: 15N.m Power: 2.4kw	Speed: 1500r/min Torgue: 15N.m Power: 2.4kw	Speed: 1500r/min Torgue: 15N.m Power: 2.4kw	Speed: 1500r/min Torgue: 15N.m Power: 2.4kw	Speed: 1500r/min Torgue: 22N.m Power: 3.5kw
<b>Turret</b>					
Electric tool-post Model	HAK-21240	HAK-21240	HAK-21240	HAK21240	HAK21300
No. of tool stations	4 position	4 position	4 position	4 position	4 position
size	240×240mm	240×240mm	240×240mm	240×240mm	300×300mm
Tool change time	2.6s	2.6s	2.6s	2.6s	2.6s
<b>Tailstock</b>					
Tailstock quill	Diameter: 100mm Travel: 250mm Taper: MT5	Diameter: 100mm Travel: 250mm Taper: MT5	Diameter: 100mm Travel: 250mm Taper: MT5	Diameter: 100mm Travel: 250mm Taper: MT5	Diameter: 100mm Travel: 250mm Taper: MT6
<b>Positioning accuracy (GB standard)</b>					
Positioning accuracy	0.02mm	0.02mm	0.02mm	0.02mm	0.02mm
Repositioning accuracy	0.01mm	0.01mm	0.01mm	0.01mm	0.01mm
<b>Machine Dimensions</b>					
Overall dimension(LxWxH)	3800x1900x1900mm	3800x1900x1900mm	3800x1900x1900mm	3800x1900x1900mm	4200×2100×1900mm
Machine weight	4.2t	4.9t	5.5t	6.2t	7t

# CNC PIPE THREADING LATHE



CNC PIPE THREADING LATHE

CNC PIPE THREADING LATHE

Specification	QK1330	QK1335	QK1343	QK1353	QK1363
<b>Capacity</b>					
Chuck size	4 jaw chuck (780mm)	4 jaw electric(780mm)	4 jaw electric(1000mm)	4 jaw electric(1000mm)	4 jaw electric(1000mm)
Max. swing dia over bed	800mm	1000mm	1000mm	1250mm	1400mm
Max. swing dia over slide	480mm	610mm	610mm	860mm	950mm
Max. length of workpiece	1500mm	1500mm	1500mm	1500mm	1500mm
Width of bed	600mm	755mm	755mm	755mm	755/1100mm
<b>Spindle</b>					
Spindle bore	305mm	360mm	440mm	540mm	640mm
Spindle speed range	(L):20-100r/min (H):100-300r/min	(L):30-130r/min (H):65-260r/min	(L):23-90r/min (H):65-260r/min	(L):23-80r/min (H):65-220r/min	(L):15-65r/min (H):65-120r/min
Power of spindle motor	15kw	22kw	22kw	30kw	30kw
Mode of spindle speed	Variable speed in 2 steps	Variable speed in 2 steps	Variable speed in 2 steps	Variable speed in 2 steps	Variable speed in 2 steps
<b>Axis</b>					
Max.travers of X/Z axis	X:420mm Z:1250mm	X:550mm Z:1250mm	X:550mm Z:1250mm	X:650mm Z:1250mm	X:750mm Z:1250mm
X/Z rapid traverse	4000/5000mm/min	4000mm/min	4000mm/min	4000mm/min	4000mm/min
X-axis motor	Speed: 1500r/min Torgue: 15N.m Power: 2.4kw	Speed: 1500r/min Torgue: 22N.m Power: 3.5kw	Speed: 1500r/min Torgue: 22N.m Power: 3.5kw	Speed: 1500r/min Torgue: 22N.m Power: 3.5kw	Speed: 1500r/min Torgue: 22N.m Power: 3.5kw
Z-axis motor	Speed: 1500r/min Torgue: 22N.m Power: 3.5kw	Speed: 1500r/min Torgue: 30N.m Power: 4.7kw	Speed: 1500r/min Torgue: 30N.m Power: 4.7kw	Speed: 1500r/min Torgue: 30N.m Power: 4.7kw	Speed: 1500r/min Torgue: 30N.m Power: 4.7kw
<b>Turret</b>					
Electric tool-post	Model: HAK21300 No. of tool stations: 4 position size: 300×300mm Tool change time: 2.6s	Model: SLD170A04N No. of tool stations: 4 position size: 300×300mm Tool change time: 5.6s	Model: SLD170A04N No. of tool stations: 4 position size: 300×300mm Tool change time: 5.6s	Model: SLD170A04N No. of tool stations: 4 position size: 300×300mm Tool change time: 5.6s	Model: SLD170A04N No. of tool stations: 4 position size: 300×300mm Tool change time: 5.6s
<b>Tailstock</b>					
Tailstock quill	Diameter: 100mm Travel: 250mm Taper: MT6	Diameter: 160mm Travel: 300mm Taper: MT6	Diameter: 140mm Travel: 300mm Taper: MT6	Diameter: 160mm Travel: 300mm Taper: MT6	Diameter: 160mm Travel: 300mm Taper: MT6
<b>Positioning accuracy (GB standard)</b>					
Positioning accuracy(X/Y/Z)	0.02mm	0.02mm	0.02mm	0.04mm	0.04mm
Repositioning accuracy(X/Z)	0.01mm	0.01mm	0.01mm	0.02mm	0.02mm
<b>Machine Dimensions</b>					
Overall dimensions(LxWxH)	4200×2100×1900mm	4900×2200×2300mm	4900×2200×2300mm	4900×2300×2350mm	4900×2300×2350mm
Machine weight	7.5t	12t	14t	18t	19t

# PIPE THREADING LATHE

- ◆ Large spindle aperture with high passability and stable workpiece clamping with double chucks
- ◆ High quality and high strength cast iron casting overall bed with good rigidity and high precision
- ◆ The surface of the guide rail is quenched by super audio treatment, with great hardness and long service life
- ◆ Equipped with a taper bar device, convenient for cutting taper thread



## Standard accessories

- ① Spindle 2-speed frequency control
- ② Double chuck clamping
- ③ Toolbox with tools
- ④ Foundation bolt
- ⑤ 1 pcs rear bracket.

## Optional accessories

- ① Steady rest and Follow rest
- ② Rear bracket

Specification	1313	1319	1322
<b>Capacity</b>			
Chuck size	3-jaw chuck(380mm)	4-jaw chuck(520mm)	4-jaw chuck(520mm)
Max. swing dia over bed	630mm	630mm	630mm
Max. swing dia over slide	340mm	340mm	340mm
Max. length of workpiece	1500mm	1500mm	1500mm
Width of bed	550mm	550mm	550mm
<b>Spindle</b>			
Spindle bore	135mm	200mm	225mm
Spindle motor power	11kw	11kw	11kw
Spindle speed	VF 2steps(40-800)r/min	VF 2steps(30-500)r/min	VF 2steps(15-350)r/min
<b>Axis</b>			
Z axis feed grade/range	32/0.095-1.4mm/r	32/0.095-1.4mm/r	32/0.095-1.4mm/r
X axis feed grade/range	32/0.042-0.7	32/0.042-0.7	32/0.042-0.7
carriage rapid traverse speed	3740mm/min	3740mm/min	3740mm/min
cross slide rapid traverse speed	1870mm/min	1870mm/min	1870mm/min
Metric thread grade /range	22/1-15mm	22/1-15mm	22/1-15mm
Inch thread grade /range	26/14-1T.P.I	26/14-1T.P.I	26/14-1T.P.I
Traverse of cross slide	330mm	330mm	330mm
Max.Traverse of turret	200mm	200mm	200mm
<b>Tailstock</b>			
Tailstock quill diameter	100mm	100mm	100mm
Tailstock quill travel	250mm	250mm	250mm
Tailstock quill taper	MT5	MT5	MT5
<b>Machine Dimensions</b>			
Overall dimension(LxWxH)	3700x1710x1480mm	3700x1710x1480mm	3700x1710x1480mm
Machine weight	4.3t	4.6t	5t

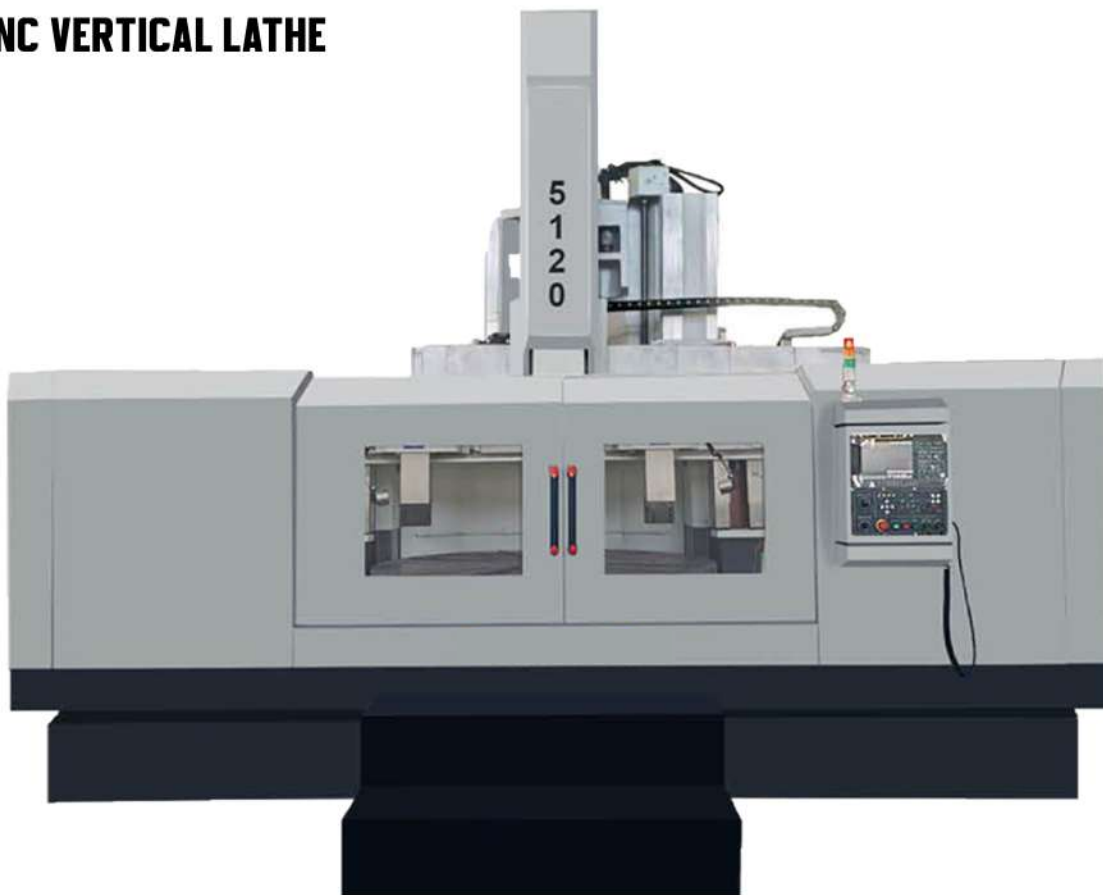


Q1325	Q1327	1330	1335	1343	1353
4-jaw chuck(630mm)	4-jaw chuck(780mm)	4-jaw chuck(780mm)	4 jaw electric(780mm)	4 jaw electric(1000mm)	4 jaw electric(1000mm)
800mm	800mm	800mm	1000mm	1000mm	1250mm
520mm	470mm	470mm	610mm	610mm	860mm
1500mm	1500mm	1500mm	1500mm	1500mm	1500mm
550mm	600/650mm	600/650mm	755mm	755mm	755mm
255mm	280mm	305mm	360mm	440mm	540mm
11kw	15kw	15kw	22kw	22kw	22kw
VF 2steps(15-350)r/min	VF 2steps(20-300)r/min	VF 2steps(20-300)r/min	VF 2steps(30-260)r/min	VF 2steps(23-260)r/min	VF 2steps(20-220)r/min
32/0.095-1.4mm/r	32/0.095-1.4mm/r	32/0.095-1.4mm/r	32/0.1-1.5mm/r	32/0.1-1.5mm/r	32/0.1-1.5mm/r
32/0.042-0.7	32/0.042-0.7	32/0.042-0.7	32/0.05-0.75	32/0.05-0.75	32/0.05-0.75
3740mm/min	3740mm/min	3740mm/min	3740mm/min	3740mm/min	3740mm/min
1870mm/min	1870mm/min	1870mm/min	1870mm/min	1870mm/min	1870mm/min
22/1-15mm	22/1-15mm	22/1-15mm	22/1-15mm	22/1-15mm	22/1-15mm
26/14-1T.P.I	26/14-1T.P.I	26/14-1T.P.I	22/28-2T.P.I	22/28-2T.P.I	22/28-2T.P.I
330mm	430mm	430mm	520mm	520mm	620mm
200mm	250mm	250mm	300mm	300mm	300mm
100mm	100mm	100mm	160mm	160mm	160mm
250mm	250mm	250mm	300mm	300mm	300mm
MT6	MT6	MT6	MT6	MT6	MT6
3750x1750x1550mm	3950x1700x1600mm	3950x1700x1600mm	4900x2150x1650mm	4900x2250x1700mm	5000x2420x2070mm
6t	6.5t	7t	12.8t	13.2t	16t

PIPE THREADING LATHE

PIPE THREADING LATHE

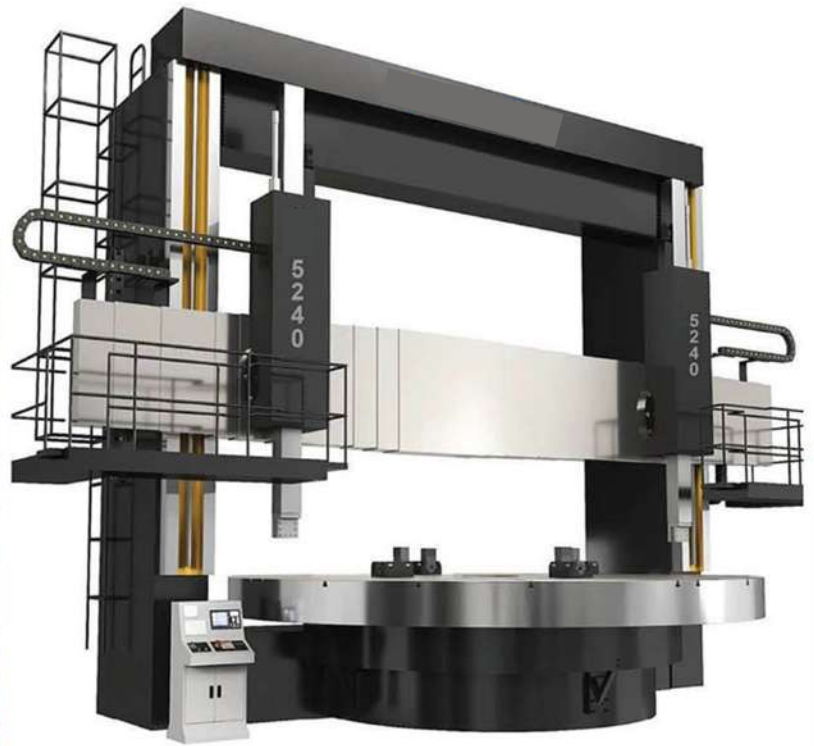
# CNC VERTICAL LATHE



- CK51 series are semi-closed loop full CNC controlled lathes, whose available selection systems are SIEMENS, FANUC Oi Tf, Guangzhou CNC, HNC etc. CK51 series are suitable for machining all kinds of cast iron, steel and alloy, non-ferrous metal, non-metal materials, etc. it can turn internal and external cylinders, internal and external cones, flat surfaces, grooves, threads and various rotating curved bodies. The machine has good system rigidity, high precision, high efficiency, high stability and reliability, whose spindle is equipped with encoders that provide functions of constant linear speed cutting and thread turning.

Specification	5112	5116	5120	5123	5126
Table dia.	1000mm	1400mm	1800mm	2000mm	2300mm
Max. turning dia.	1250mm	1600mm	2000mm	2300mm	2600mm
Max. workpiece height	1000, *1200, *1400mm	1000, *1200, *1400, *1600mm	1200, *1600mm	1300, *1600mm	1350, *1600, *2000mm
Max. workpiece weight	3.5t	5t	8t	8t	10t
Max. torque of table	25KN.m	30KN.m	40KN.m	40KN.m	45KN.m
Table rotation speed range	1-200r/min	1-160, *(6.3-200)r/min	1-100, *(5-120)r/min	1-80r/min	1-63r/min
Max cutting force of the vertical holder	18KN	22KN	22KN	22KN	22KN
Range of feed rates(stepless)	0.1-500mm/min	0.1-500mm/min	0.1-500mm/min	0.1-500mm/min	0.1-500mm/min
Horizontal travel of rail head	700mm	915mm	1050mm	1250mm	1450mm
Ram travel of rail head	650mm	800mm,*1000mm	800mm,*1000mm	800mm,*1000mm	800mm,*1000mm
Beam Travel	650mm	850mm	900mm	900mm	950mm
Fast moving speed of tool heads	2500mm/min	2500mm/min	2500mm/min	2500mm/min	2500mm/min
Beam lift speed	440mm/min	440mm/min	440mm/min	440mm/min	440mm/min
Tool bar section size(WxH)	30x40mm	30x40mm	30x40mm	30x40mm	30x40mm
Main motor power	22,*30kw	30kw	30kw	30kw	37kw
Overall size(LxWxH)	3800x4050x3080,*3280,*3480mm	4000x4350x3060,*3260,*3460,*3660mm	4300x5000x3530,*3920mm	4550x5200x3530,*3830mm	4750x5200x3730,*3980,*4380mm
Machine weight	9t,*9.5t,*10t	12.5t,*13t,*13.5t,*14.2t	17.5t,*18.5t	18.5t,*19.5t	21t,*22.5t,*23.5t

# CNC VERTICAL LATHE



◆ CK52 series parts processing and assembly are based on export standard, whose left tool holder is controlled by DVT system for rough machining of workpiece, and the right tool holder is controlled by CNC system for finishing machining of workpiece. Customers can also use CNC system to control both tool holders according to their needs. The CNC systems of SIEMENS, FANUC Oi Tf, Guang-zhou CNC, HNC and other domestic and foreign CNC systems are available. CK52 series can turn internal and external cylinders, internal and external cones, planes, grooves, threads and various rotating surface bodies, whose spindle is equipped with encoders that provide functions of constant linear speed cutting and thread turning. The CNC tool holder positioning accuracy is 0.02/1000mm and repeat positioning accuracy

Specification	5225	5231	5240Q	5240	5250	5263	5280Q
Table dia.	2250mm	2830mm	2830,*3150mm	3200,*3600mm	4500mm	5700mm	7200mm
Max. turning dia.	2500mm	3150mm	4000mm	4000mm	5000mm	6300mm	8000mm
Max. workpiece height	1600,*2000,*2500mm	1600,*2000,*2500mm	1600,*2000,*2500mm	1600,*2000,*2500mm	2500,*3150mm	3150mm	2500,*3150,*4000mm
Max. workpiece weight	10,*15,*20t	10,*15,*20t	15,*20t	32t	65t	80t	100t
Max. torque of worktable	63KN.m	63KN.m	63KN.m	80KN.m	100KN.m	250KN.m	400KN.m
Table rotation speed range(16steps)	2-63r/min	2-63r/min	2-63r/min	2-63r/min	0.42-42r/min	0.42-32r/min	0.16-16r/min
(Vario in 4 or 2 steps)	0.5-60r/min	0.5-60r/min	0.5-60r/min	1-50r/min	0.42-42r/min	0.42-32r/min	0.16-16r/min
Max cutting force of the vertical holder	32KN	35KN	35KN	40KN	50KN	70KN	100KN
Vertical toolholder move limi	±30°	±30°	±30°	±30°	±30°	±30°	±30°
Range of feed rates (18steps)	0.1-500mm/min	0.1-500mm/min	0.1-500mm/min	0.1-500mm/min	0.1-500mm/min	0.1-500mm/min	0.1-500mm/min
Horizontal travel of rail head	1400mm	1725mm	2150mm	2150mm	2765mm	3400mm	4400mm
Ram travel of rail head	1000mm	1000,*1250mm	1000,*1250mm	1000,*1250mm	1250,*1600mm	1600,*2000mm	1250,*2000,*2250mm
Beam Travel	1250mm	1250mm	1250mm	1250mm	2000mm	2150mm	2800mm
Tool bar section size(WxH)	40x50mm	40x50mm	40x50mm	40x50mm	50x50mm	50x50mm	60x60mm
Ram section	240x240mm	240x240mm	240x240mm	240x240mm	280x280mm	280x280mm	320x320mm
Main motor power	DC/AV:55kw	DC/AV:55kw	DC/AV:55kw	DC/AV:75kw	DC/AV:90kw	DC/AV:110kw	DC/AV:132kw
Overall size(LxWxH)	7200x5500x4420mm	7900x6200x4420mm	8700x6200x4420mm	9900x8750x5100mm	9900x8750x5100mm	11500x9650x6600mm	13550x11450x7820mm
Machine weight	36t	38t	40,*42t	50,*52t	81,*84t	120t	195,*215t

CNC VERTICAL LATHE

CNC VERTICAL LATHE

# CNC VERTICAL LATHE



◆ C51 series is a professional product designed according to the needs of motor, valve, pump, bearing, automobile, and other industries. This machine is suitable for high-speed steel and carbide tools, focusing on roughing and finishing of inner and other cylindrical surface, end face and grooving of ferrous metal, non-ferrous metal and some non-metal parts. The machine is easy to operate due to simple structure and convenient maintenance. The operator could operate the lathe by manipulating the handle and the buttons of the hanging button station for turning work.

Specification	5112	5116	5120	5123	5126
Table dia.	1000mm	1400mm	1800mm	2000mm	2300mm
Max. turning dia.	1250mm	1600mm	2000mm	2300mm	2600mm
Max. workpiece height	1000, *1200, *1400mm	1000, *1200, *1400, *1600mm	1200, *1600mm	1200, *1600mm	1350, *1600, *2000mm
Max. workpiece weight	3.5t	5t	8t	8t	10t
Max torque of table	25KN.m	30KN.m	40KN.m	40KN.m	45KN.m
Table rotation speed range(16steps)	6.2-200r/min	5-160,*6.3-200r/min	3.2-100, *5-160r/min	3.2-80r/min	2.5-63r/min
Max cutting force of the vertical holder	18KN	22KN	22KN	22KN	22KN
Vertical toolholder move limit	±30°	±30°	±30°	±30°	±30°
Range of feed rates (12steps)	0.8-86mm/min	0.8-86mm/min	0.8-86mm/min	0.8-86mm/min	0.8-86mm/min
Horizontal travel of rail head	700mm	915mm	1050mm	1250mm	1450mm
Rail travel of rail head	650mm	800mm	800mm	800mm	800mm
Crossbeam travel	650mm	850mm	900mm	900mm	950mm
Vertical stroke	650mm	650mm	900mm	900mm	900mm
Horizontal Stroke	630mm	630mm	630mm	630mm	630mm
Feed Range	0.8-86mm/min	0.8-86mm/min	0.8-86mm/min	0.8-86mm/min	0.8-86mm/min
Number of feed steps	12steps	12steps	12steps	12steps	12steps
Fast moving speed of tool heads	1800mm/min	1800mm/min	1800mm/min	1800mm/min	1800mm/min
Beam lift speed	440mm/min	440mm/min	440mm/min	440mm/min	440mm/min
Tool bar section size(WxH)	30x40mm	30x40mm	30x40mm	30x40mm	30x40mm
Main motor power	22/30kw	30kw	30kw	30kw	37kw
Overall size(LxWxH)	3800x4050x3080/*3280/*3480mm	4000x4350x3060/*3260/*3460/*3660mm	4300x5000x3530/*3920mm	4550x5200x3530/*3830mm	4750x5200x3730/*3980/*4380mm
Machine weight	9t, *9.5t, *10t	12.5t, *13t, *13.5t, *14.2t	17.5t, *18.5t	18.5t, *19.5t	21t, *22.5t, *23.5t

CNC VERTICAL LATHE

CNC VERTICAL LATHE

# CNC VERTICAL LATHE



♦ DVT52 series implement the latest national precision standard and safety standard, equipped with advanced and reliable electro-mechanical components at home and abroad, whose excellent structural performance and strong rigidity can meet the requirement of strong cutting. The table can bear large tonnage load with good stability, high efficiency, safety and reliability. Left and right tool holders of DVT52 series are controlled by DVT system and equipped with digital display scale. Servo drive and X, Z axis feed servo motor are adopted from Beijing Super Synchronous products. The X and Z axes of the left and right tool holders are driven by servo motor through precision planetary reducer to increase the torque to drive the ball screw for horizontal and vertical movements.

CNC VERTICAL LATHE

CNC VERTICAL LATHE

Specification	5225	5231	5240Q	5240	5250Q	5250	5263	5280Q
Table dia.	2250mm	2830mm	2830,*3150mm	3200,*3600mm	4500mm	4500mm	5700mm	7200mm
Max. turning dia.	2500mm	3150mm	4000mm	4000mm	5000mm	5000mm	6300mm	8000mm
Max. workpiece height	1600,2000,2500mm	1600,*2000,*2500mm	1600,*2000,*2500mm	1600,*2000,*2500mm	2000,*2500,*3150mm	2000,*3150mm	3150mm	2500,*3150,*4000mm
Max. workpiece weight	10,*15,*20t	10,*15,*20t	15,*20t	32t	40t	65t	80t	100t
Max. torque of worktable	63KN.m	63KN.m	63KN.m	80KN.m	80KN.m	100KN.m	250KN.m	400KN.m
Table rotation speed range(16steps)	2-63r/min	2-63r/min	2-63r/min	2-63r/min	0.42-45r/min	0.42-42r/min	0.42-32r/min	0.16-16r/min
(Vario in 4 or 2 steps)	0.5-60r/min	0.5-60r/min	0.5-60r/min	1-50r/min	1-45r/min	0.42-42r/min	0.42-32r/min	0.16-16r/min
Max cutting force of the vertical holder	32KN	35KN	35KN	40KN	40KN	50KN	70KN	100KN
Vertical toolholder move limit	±30°	±30°	±30°	±30°	±30°	±30°	±30°	±30°
Range of feed rates (18steps)	0.1-500mm/min	0.1-500mm/min	0.1-500mm/min	0.1-500mm/min	0.1-500mm/min	0.1-500mm/min	0.1-500mm/min	0.1-500mm/min
Horizontal travel of rail head	1400mm	1725mm	2150mm	2150mm	2765mm	2765mm	3400mm	4400mm
Ram travel of rail head	1000,*1250mm	1000,*1250mm	1000,*1250mm	1000,*1250mm	1250,*1600mm	1250,*1600mm	1600,*2000mm	1250,*2000,*2250mm
Beam Travel	1250mm	1250mm	1250mm	1250mm	2000mm	2000mm	2150mm	2800mm
Ram section	240x240mm	240x240mm	240x240mm	240x240mm	300x250mm	280x280mm	280x280mm	320x320mm
Fast moving speed of tool heads	3500mm/min	3500mm/min	3500mm/min	3500mm/min	3500mm/min	3500mm/min	3500mm/min	4000mm/min
Tool bar section size(WxH)	40x50mm	40x50mm	40x50mm	40x50mm	50x50mm	50x50mm	50x50mm	60x60mm
Main motor power	DC/AV:55kw	DC/AV:55kw	DC/AV:55kw	DC/AV:75kw	DC/AV:75kw	DC/AV:90kw	DC/AV:110kw	DC/AV:132kw
Machine dimensions	7200x5500x4420mm	7900x6200x4420mm	8700x6200x4420mm	8700x6200x4420mm	9900x8750x5100mm	9900x8750x5100mm	11500x9650x6600mm	13550x11450x7820mm
Machine weight	36t	38t	40,*42t	50,*52t	67,*69,*72t	81,*84t	120t	195,*215t

# MILLING BORING MACHINE



MILLING BORING MACHINE

MILLING BORING MACHINE

Specification	6411C	6413	611C	611C/4
Worktable size	1350×1000mm	1400×1200mm	1320×1010mm	1320×1010mm
Max. loading of worktable	5000kg	5000kg	5000Kg	5000Kg
Spindle diameter	130mm	130mm	110mm	110mm
Spindle taper (7:24)	ISO50	BT50	ISO50	ISO50
Spindle speed	12-1500,*12-1200r/min	12-1800r/min	12-1100r/min	12-1100r/min
Spindle power	15/18.5kw	15/18.5kw	15kw	15kw
Max. spindle torque	1500N.m	1500N.m	1100N.m	1100N.m
Rotary table speed	N/A	N/A	125r/min	125r/min
X axis travel	1600	1800mm	1200mm	1800mm
Y axis travel	1200,*1600mm	1600mm	1200mm	1200mm
Z axis travel	1200mm	1200mm	1300mm	1300mm
W axis travel	550mm	550mm	550mm	550mm
Horizontal rotary table slider stroke U	N/A	N/A	125mm	125mm
Table rotation B	equal division 5°, *1°, * 0.001°	0.001°	N/A	N/A
X/Y/Z axis feed speed	5-5000mm/min	5-5000mm/min	20-1000mm/min	20-1000mm/min
W axis feed speed	5-5000mm/min	5-5000mm/min	20-1000mm/min	20-1000mm/min
B axis feed speed	N/A	5r/min	N/A	N/A
U axis feed speed	N/A	N/A	0.2-80mm/min	0.2-80mm/min
X/Y/Z axis rapid feed speed	10m/min	10m/min	10m/min	10m/min
W axis rapid feed speed	5m/min	5m/min	5m/min	5m/min
B axis rapid feed speed	5r/min	5r/min	N/A	N/A
U axis rapid feed speed	N/A	N/A	80mm/min	80mm/min
Tool shank type	BT50	BT50	BT50	BT50
Retention knob standard	JB3381. 2-83(50#)	JB3381. 2-83(50#)	BT50	BT50
X/Y/Z/W axis positioning accuracy	0.03mm	0.03mm	0.03mm	0.03mm
B axis positioning accuracy of any angle	10°	15°	N/A	N/A
4 point positioning of worktable	N/A	N/A	12°	12°
X/Y/Z/W axis re-positioning accuracy	0.02mm	0.02mm	0.02mm	0.02mm
B axis re-positioning accuracy of any angle	4°	5°	N/A	N/A
Total power capacity	60kVA	60kVA	50kVA	50kVA
Machine dimensions	6000×5600×3600mm	6200×6800×3800mm	5500×3050×2900mm	5500×3800×3300mm
CNC system	FANUC-0i Mf Plus	FANUC-0i Mf Plus	FANUC-0i Mf Plus	FANUC-0i Mf Plus

# MILLING BORING MACHINE

Specification	TPX6111B	TPX6111B/2	TPX6111B/3
Spindle diameter	110mm	110mm	110mm
Max.torque of spindle	1225N.m	1225N.m	1225N.m
Max.torque of radial slide	1960N.m	1960N.m	1960N.m
Max.axial thrust of spindle	12250N	12250N	12250N
Spindle taper	MT6(Optional:ISO50 7.24)	MT6(Optional:ISO50 7.24)	MT6(Optional:ISO50 7.24)
Worktable size (L×W)	1100x960mm	1100x960mm	1600x1300mm(≈1400x1200mm)
Worktable travel	Longitudinal(Z) with/without tailstock	900/1400mm(≈750/1250mm, 700/1200mm)	
	Cross(X)	900mm	1250mm
Distance from spindle center line to worktable surface	Max.(Y)	900mm	900mm
	Min.	0mm	0mm
Max.travel of spindle	600mm	600mm	600mm
Max.travel of radial facing slide	180mm	180mm	180mm
Max.permissible load of table	2500kg	2500kg	5000kg
Speed number of spindle	22 steps	22 steps	22 steps
Speed range of spindle	8-1000r/min	8-1000r/min	8-1000r/min
Speed number of radial facing slide	18 steps	18 steps	18 steps
Speed range of radial facing slide	4-200r/min	4-200r/min	4-200r/min
Rapid traverse speed of spindle, headstock, cross & longitudinal saddles	2500mm/min	2500mm/min	2500mm/min
Rapid speed of rotary table	1r/min	1r/min	1r/min
Feed number of spindle, headstock and table per spindle revolution	18 steps(H/L speed)	18 steps(H/L speed)	18 steps(H/L speed)
Feed steps of radial slide on facing head, headstock, cross & longitudinal saddles per facing head rotation	18 steps	18 steps	18 steps
Feed range of radial slide on facing head, headstock, cross & longitudinal saddles per facing head revolution	0.08-12mm	0.08-12mm	0.08-12mm
Feed range of spindle, headstock, cross & longitudinal saddles per spindle revolution	When spindle speed is 8-400r/min	0.04-6mm(0.0016-0.2362")	0.04-6mm(0.0016-0.2362")
	When spindle speed is 500-1000r/min	0.01-1.88mm(0.0004-0.074")	0.01-1.88mm(0.0004-0.074")
Reading accuracy of measuring system	Metric	0.005mm	0.005mm
	Inch	0.0005"	0.0005"
Boring accuracy	IT7	IT7	IT7
Roughness of boring hole	$3.2 \sqrt{1.6}$	$3.2 \sqrt{1.6}$	$3.2 \sqrt{1.6}$
Boring diameter(Distance between spindle nose and tool tip ≤450mm)	∅ 50- ∅ 240mm	∅ 50- ∅ 240mm	∅ 50- ∅ 240mm
Main motor power	7.5kw	7.5kw	7.5kw
Rapid motor power	3kw	3kw	3kw
Overall dimension(L×W×H)	4910×2454×2750mm	4930×2870×2750mm	5117×3359×3079mm
Machine weight (approx)	13000kg	14500kg	17000kg

Specification	TPX6113B	TPX6113B/2
Spindle diameter	130mm	130mm
Max.torque of spindle	2950N.m	2950N.m
Max.torque of radial slide	4694N.m	4694N.m
Max.axial thrust of spindle	31360N.m	31360N.m
Boring spindle taper	MT8(Optional:ISO50 7.24)	MT8(Optional:ISO50 7.24)
Max. travel of spindle	900mm	900mm
	Longitudinal with boring stay	1500mm
Max. travel of worktable	Longitudinal without boring stay	2000mm(special supplied)
	Cross	1600mm
Distance from spindle axis to table surface	Max.	1400mm
	Min.	0mm
Max.travel of radial tool holder on facing head	250mm	250mm
the worktable is locating in the middle of the lower saddle	8000kg	10000kg
the worktable is locating in the end of the lower saddle	6300kg	7000kg
Worktable size (L×W)	1600x1400	1800x1600
Range of spindle speed	8-800r/min	8-800r/min
Range of facing head speed	2.5-125r/min	2.5-125r/min
Rapid speed of spindle, headstock, table longitudinal and table cross	1-2500mm/min	1-2500mm/min
Rapid rotary speed of worktable	1.2r/min	1.2r/min
Range of spindle, headstock and table longitudinal & cross feeds	1-2500mm/min	1-2500mm/min
Range of radial facing slide feeds	1-1560mm/min	1-1560mm/min
Reading accuracy of measuring system	0.01mm	0.01mm
Boring accuracy	IT7	IT7
Boring roughness	$3.2 \sqrt{1.6}$	$3.2 \sqrt{1.6}$
Boring diameter (Distance between spindle nose and tool tip ≤450mm)	∅50-∅240mm	∅50-∅240mm
Main motor power	15kw	15kw
Rapid motor power	3.5kw	3.5kw
Overall dimension of machine(L×W×H)	6995×3647×3442mm	7030×4665×3800mm
Weight of the machine(approx)	24000kg	28000kg

- ◆ TPX611 series machine are ordinary horizontal milling and boring machines with single column, side hanging box and cross sliding table structure. They are reinforced boring bars of similar machine tools and are mainly suitable for plane milling and hole machining of box parts.
- ◆ Each guide rail of the machine tool adopts rectangular guide rail with wide cross section, PTFE special guide veneer, match with artificial fine scraping, wear resistance and pressure resistance, the rigidity and stability of the machine tool is good.
- ◆ The end of the spindle box is equipped with a flat rotary disk, which can bore larger holes and planes.
- ◆ The worktable is 4x90 degrees, and adopts four-point manual single-pin positioning structure, which ensures accurate and reliable positioning.
- ◆ The machine tool is equipped with X and Y coordinate grating digital display, which is accurate and reliable.
- ◆ You can choose a change gear bracket to cut threads and expand the machining range of the machine tool.

# MULTI-CUT WEDM (SERVO MOTOR)



- ★ The body of the machine is made of high rigidity HT250. The machine has high rigidity and good stability for quality material.
- ★ Screw use the high precision ball screw ,high operation accuracy.
- ★ Guide is high precision linear guide, smooth operation,high accuracy.
- ★ Machine adopts servo motor drive,X、 Y、 U、 V four-axis linkage cutting.
- ★ The whole electrical components are imported from Germany and Japan, etc.
- ★ Low energy-consumption.Environmental protection.

## Main technical parameters

Model	Unit	GT-320 Pro	GT-400 Pro
Machine size	mm	1500 × 1800 × 2100	1600 × 1920 × 2100
Work table size	mm	720 × 500	850 × 600
travel	mm	400 × 320	500 × 400
Max. cutting thickness	mm	350	350
Taper machining	mm	± 12° /80 mm	± 12° /80mm
Optimum surface roughness	μm	Ra ≤ 0.8μm	Ra ≤ 0.8μm
Weight	kg	1700	2000
Max. working weight	kg	300	500

# MULTI-CUT WEDM



- ★ The body of the machine is made of high rigidity HT250. The machine has high rigidity and good stability for quality material.
- ★ Screw use the high precision ball screw ,high operation accuracy.
- ★ Guide is high precision linear guide, smooth operation,high accuracy.
- ★ Machine adopts stepper motor/servo motor drive,X、 Y、 U、 V four-axis linkage cutting.
- ★ The whole electrical components are imported from Germany and Japan, etc.
- ★ Low energy-consumption.Environmental protection.

## Main technical parameters

Model	Unit	GT-530C	GT-640C	GT-850C
Machine size	mm	1500 × 1760 × 1920	1970 × 1670 × 2110	2300 × 2200 × 2150
Work table size	mm	540 × 930	640 × 970	690 × 1090
travel	mm	350 × 500	450 × 600	550 × 800
Max. cutting thickness	mm	300	300	350
Taper machining	mm	± 6° /80 mm	± 6° /80 mm	± 6° /80 mm
Optimum surface roughness	μm	Ra ≤ 1.0 μm	Ra ≤ 1.0 μm	Ra ≤ 1.0 μm
Weight	kg	1700	2000	3000
Max. working weight	kg	600	750	900

# MULTI-CUT WEDM



- ★ The body of the machine is made of high rigidity HT250. The machine has high rigidity and good stability for quality material.
- ★ Screw use the high precision ball screw ,high operation accuracy.
- ★ Guide is high precision linear guide, smooth operation,high accuracy.
- ★ Machine adopts stepper motor/servo motor drive,X、 Y、 U、 V four-axis linkage cutting.
- ★ The whole electrical components are imported from Germany and Japan, etc.
- ★ Low energy-consumption.Environmental protection.

### Main technical parameters

Model	Unit	GT -530F	GT-640F	GT-850F
Machine size	mm	1800 × 1500 × 2000	1800 × 1500 × 2000	2300 × 2200 × 2150
Work table size	mm	540 × 930	530 × 855	690 × 1090
travel	mm	350 × 500	450 × 600	550 × 800
Max. cutting thickness	mm	400	400	400
Taper machining	mm	± 6° /80 mm	± 6° /80 mm	± 6° /80 mm
Optimum surface roughness	μm	Ra ≤ 1.0 μm	Ra ≤ 1.0 μm	Ra ≤ 1.0 μm
Weight	kg	1700	2000	3000
Max. working weight	kg	600	750	900

# MULTI-CUT WEDM



- ★ Laser interferometer is used to detect the positioning accuracy.
- ★ Using linear guide rail and precision ball screw.
- ★ Machine tool body using high strength cast iron, it has a good thermal balance and it designed with high rigidity structure.
- ★ The automatic wire feeding mechanism ensures the stable operation of the electrode wire in the machining process.

### Main technical parameters

Model	Unit	GT-350	GT-450	GT-500	GT-630
Machine size	mm	1460 × 950 × 1600	1560 × 1200 × 1700	1680 × 1390 × 1700	1800 × 1600 × 1800
Work table size	mm	730 × 490	950 × 580	1140 × 650	1380 × 800
travel	mm	450 × 350	550 × 450	630 × 500	800 × 630
Max. cutting thickness	mm	400	400	600	600
Taper machining	mm	± 6° /80mm	± 6° /80mm	± 6° /80mm	± 6° /80 mm
Optimum surface roughness	μm	Ra ≤ 1.5μm	Ra ≤ 1.5μm	Ra ≤ 1.5μm	Ra ≤ 1.5μm
Weight	kg	1400	1600	2200	2500
Max. working weight	kg	450	750	800	1000

MULTI-CUT WEDM

MULTI-CUT WEDM

# MULTI-CUT WIRE CUT MACHINE (SERVO MOTOR)



- The body of the machine is made of high rigidity HT250. The machine has high rigidity and good stability for quality material.
- Screw use the high precision ball screw ,high operation accuracy.
- Guide is high precision linear guide, smooth operation,high accuracy.
- Machine adopts servo motor drive,X、 Y、 U、 V four-axis linkage cutting.
- The whole electrical components are imported from Germany and Japan, etc.  
Low energy-consumption.Environmental protection.

Model	unit	GT-320 Pro	GT-400 Pro
Machine size	mm	1500*1800*2100	1600*1920*2100
Work table size	mm	720*500	850*600
travel	mm	400*320	500*400
Maximum cutting thickness	mm	350	350
Taper machining	mm	±3° /80 mm	±3° /80 mm
Optimum surface roughness		Ra ≤ 1.0μm	Ra ≤ 1.0μm
Weight	kg	1700	2000
Maximum working weight	kg	300	500

# MULTI-CUT WIRE CUT MACHINE (STEPPING MOTOR)



- Laser interferometer is used to detect the positioning accuracy.
- Using linear guide rail and precision ball screw.
- Machine tool body using high strength cast iron, it has a good thermal balance and it designed with high rigidity structure.
- The automatic wire feeding mechanism ensures the stable operation of the electrode wire in the machining process.

Model	unit	GT-320	GT-400	GT-500
Machine size	mm	1750*1370*1900	1850*1420*1900	2000*1850*2350
Work table size	mm	720*500	850*600	1100*700
travel	mm	400*320	500*400	800*500
Maximum cutting thickness	mm	280	280	280
Taper machining	mm	±3° /80 mm	±3° /80 mm	±3° /80 mm
Optimum surface roughness		Ra ≤ 1.0μm	Ra ≤ 1.0μm	Ra ≤ 1.0μm
Weight	kg	1700	2000	2600
Maximum working weight	kg	300	500	800

# ELECTRICAL DISCHARGE MACHINING (EDM)



ELECTRICAL DISCHARGE MACHINING

ELECTRICAL DISCHARGE MACHINING

Model	Unit	GT250
Dimension of working tank	mm	720 × 490 × 320
Working table dimension	mm	500 × 250
Table travel (X, Y travel)	mm	250 × 160
Z axis travel	mm	200
Z Travel of machine head	mm	/
Max and Min height of spindle end to working table	mm	430/250
Dimension of oil tank	mm	1130 × 970 × 530
Max weight of electrode	kg	50
Max load of working table	kg	400
Weight of machine body	kg	710
Dimension of machine (with oil tank)	mm	1250 × 1000

# ELECTRICAL DISCHARGE MACHINING (EDM)



ELECTRICAL DISCHARGE MACHINING

ELECTRICAL DISCHARGE MACHINING

Model	Unit	GT350
Dimension of working tank	mm	850 × 570 × 350
Working table dimension	mm	600 × 320
Table travel (X, Y travel)	mm	350 × 250
Z axis travel	mm	200
Z Travel of machine head	mm	200
Max and Min height of spindle end to working table	mm	550/150
Dimension of oil tank	mm	1000 × 1300 × 455
Max weight of electrode	kg	50
Max load of working table	kg	500
Weight of machine body	kg	1030
Dimension of machine (with oil tank)	mm	1650 × 1400

# ELECTRICAL DISCHARGE MACHINING (EDM)



ELECTRICAL DISCHARGE MACHINING

ELECTRICAL DISCHARGE MACHINING

Model	Unit	GT430
Dimension of working tank	mm	1000 × 580 × 370
Working table dimension	mm	700 × 360
Table travel (X, Y travel)	mm	400 × 300
Z axis travel	mm	200
Z Travel of machine head	mm	200
Max and Min height of spindle end to working table	mm	610/250
Dimension of oil tank	mm	500 × 1400 × 550
Max weight of electrode	kg	75
Max load of working table	kg	800
Weight of machine body	kg	1200
Dimension of machine (with oil tank)	mm	1700 × 1400

# ELECTRICAL DISCHARGE MACHINING (EDM)



ELECTRICAL DISCHARGE MACHINING

ELECTRICAL DISCHARGE MACHINING

Model	Unit	GT450
Dimension of working tank	mm	1065 × 640 × 450
Working table dimension	mm	700 × 400
Table travel (X, Y travel)	mm	450 × 350
Z axis travel	mm	210
Z Travel of machine head	mm	235
Max and Min height of spindle end to working table	mm	660/220
Dimension of oil tank	mm	750 × 1150 × 530
Max weight of electrode	kg	50
Max load of working table	kg	800
Weight of machine body	kg	1500
Dimension of machine (with oil tank)	mm	2100 × 1300

# ELECTRICAL DISCHARGE MACHINING (EDM)



ELECTRICAL DISCHARGE MACHINING

ELECTRICAL DISCHARGE MACHINING

Model	Unit	GT540
Dimension of working tank	mm	1160 × 690 × 500
Working table dimension	mm	800 × 450
Table travel (X, Y travel)	mm	500 × 400
Z axis travel	mm	220
Z Travel of machine head	mm	260
Max and Min height of spindle end to working table	mm	690/220
Dimension of oil tank	mm	1100 × 1400 × 530
Max weight of electrode	kg	50
Max load of working table	kg	1000
Weight of machine body	kg	1700
Dimension of machine (with oil tank)	mm	2400 × 1450

# ELECTRICAL DISCHARGE MACHINING (EDM)



ELECTRICAL DISCHARGE MACHINING

ELECTRICAL DISCHARGE MACHINING

Model	Unit	GT 650
Dimension of working tank	mm	1320 × 800 × 500
Working table dimension	mm	900 × 500
Table travel (X, Y travel)	mm	600 × 500
Z axis travel	mm	220
Z Travel of machine head	mm	260
Max and Min height of spindle end to working table	mm	800/340
Dimension of oil tank	mm	1100 × 1900 × 510
Max weight of electrode	kg	50
Max load of working table	kg	1000
Weight of machine body	kg	2100
Dimension of machine (with oil tank)	mm	2500 × 1900

# INTELLIGENT SERVO FULLY AUTOMATIC CUTTERS GRINDING MACHINE



Standard Model  
GT-ZD20



GT-ZD20 PLUS  
Water-Cooled Model

## MODEL

## CUTTER TYPE & SERVICE SYSTEM

<ul style="list-style-type: none"> <li>◆ End Mill</li> <li>◆ Corner Radius End Mill</li> <li>◆ Diameter Range</li> <li>◆ Flutes Option</li> </ul>	4-20mm 2/3/4 Flutes	4-20mm 2/3/4 Flutes	<p>End Mill</p>
<ul style="list-style-type: none"> <li>◆ Drill Bit</li> <li>◆ Diameter Range</li> <li>◆ Angle Options</li> </ul>	4-20mm 120°,140°Optional	4-20mm 120°,140°Optional	<p>Corner Radius End Mill</p>
<ul style="list-style-type: none"> <li>◆ Ball Nose</li> <li>◆ Diameter Range</li> </ul>	R2, R3, R4, R5, R6	R2, R3, R4, R5, R6	<p>Drill Bit</p>
<ul style="list-style-type: none"> <li>◆ Ball Nose</li> <li>◆ Diameter Range</li> </ul>	R2, R3, R4, R5, R6	R2, R3, R4, R5, R6	<p>Ball Nose Mill</p>
Rated Tool Length	>= 60mm Hollow Core Holder	> 60mm Hollow Core Holder	<p>Chamfer Cutter</p>
Compatible Materials	Tungsten steel Carbide HSS	Tungsten Steel Crabide, HSS	
Grinding Wheel Standard	Brazed SDC 2 pieces	Electroplated SDC 2 pieces	
Overall Dimensions (LxWxH)	635mm*570mm *800mm	900mm*600mm *920mm	
Net Weight	85.5 kg	154.5 kg	

## OPTIONAL TYPES



TOOL CUTTER GRINDER

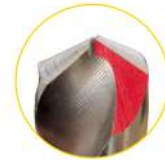
TOOL CUTTER GRINDER

# DRILL BIT RE-SHARPENER



GT-Z13

Independent slotted holes, more effect



GT-Z13D

## CUSTOMIZABLE LEFT DRILL GRINDER



GT-Z20



GT-Z26



GT-Z32

- ◆ This machine is portable, accurate and durable, equipped with diamond grinding wheel made in Taiwan
- ◆ It can sharpen the tip angle (epex angle), front cutting edge (positive rake angle), chip flute (rear angle), and the size of the center transverse blade can be adjusted at will. easier.
- ◆ Z32 is a compound drill grinding machine (left and right double-head grinding work)

Model	Z13/Z13D	Z20	Z26	Z32
Grinding range	φ3-φ13 (φ14)	φ3-φ20	(φ8) φ13-φ26 (φ32)	φ3-φ32
Point angle	90°-140°	95°-140°	95°-140°	90°-140°/95°-140°
Power	AC,220V±10%	AC,220V±10%	AC,220V±10%	AC,220V±10%
Motor	120W/4400RPM	160W/4400RPM	250W/4400RPM	250W/4400RPM
Dimension	36×21×19cm	43×22×21cm	43×23×21cm	42×27×34cm
Weight	9KG	12KG	22KG	29KG

Note : Standard collet Z13/D type : 11 pieces | Z20 type : 18 pieces | Z26 type : 13 pieces | Z32 type : 30 pieces  
 It is not easy to align below 3mm.

DRILL BIT RE-SHARPENER

DRILL BIT RE-SHARPENER

# DRILL BIT SERIES

## Z13E DRILL BIT RE-SHARPENER



- Z13E is specially developed for drilling stainless steel workpieces, with a larger back angle and better chip removal than other models, and is easy operate. It is compatible with drilling bits for other materials, such as iron, steel, aluminum, etc.

Model	Z13E
Grinding range	φ3-φ13
Point Angle	90°-140°
Motor	AC 220V/120W
Speed	4400RPM
Grinding wheel	CBN(高速钢专用)或SDC(钨钢专用)
Dimension	36x21x19cm
Weight	9kg

## Z13F DRILL BIT RE-SHARPENER



- Z13F type can grind the cutting edge of the drill bit, the front cutting edge (positive front angle), and the chip removal groove ( angle). After special adjustment, the ground drill bit is more suitable for deep hole machining, especially for the grinding of parabolic drill

Model	Z13F
Grinding range	φ3-φ13
Point Angle	90°-140°
Motor	AC 220V/120W
Speed	4400RPM
Grinding wheel	CBN(高速钢专用)或SDC(钨钢专用)
Dimension	36x21x19cm
Weight	9kg

DRILL BIT SERIES

DRILL BIT SERIES

## DRILL BIT SERIES

### Z13Q

DRILL BIT RE-SHARPENER



- The Z13Q model can grind the drill bit's apex angle (top angle), front cutting edge (positive front angle), and flute (angle). It allows for easy adjustment of the central cross-edge size, can replace the center drill for more precise positioning, easier chip removal, and smoother drilling

Model	Z13Q
Grinding range	φ4-φ13
Point Angle	110°/180°
Motor	AC 220V/120W
Speed	4400RPM
Grinding wheel	CBN(高速钢专用)或SDC(钨钢专用)
Dimension	36x21x19cm
Weight	9kg

### Z30

DRILL BIT RE-SHARPENER



- The Z30 model can grind the drill bit's apex angle (top angle), front cutting edge (positive front angle), and flute (angle). It allows for easy adjustment of the central cross-edge size, can replace the center drill for more precise positioning, easier chip removal, and smoother drilling

Model	Z30
Grinding range	φ3-φ30
Point Angle	95°-140°
Motor	AC 220V/250W
Speed	4400RPM
Grinding wheel	CBN(高速钢专用)或SDC(钨钢专用)
Dimension	45x24x24cm
Weight	21.8kg

# DRILL BIT SERIES

## G13 DRILL BIT RE-SHARPENER



- This machine is portable, accurate and durable, equipped with diamond grinding wheel made in Taiwan.
- Designed for grinding powder metallurgy drills, the G13 is capable of sharpening the tip end angle (apex angle), the center flute, and the back bevel. The tip end angle of the drill bit and the center flute are adjustable.

Model	G13
Grinding range	φ4-φ13
Point Angle	130°
Power	AC 220V
Motor	160W
Speed	4400RPM
Grinding wheel	CBN(高速钢专用)或SDC(钨钢专用)
Dimension	43x22x21cm
Weight	12kg

DRILL BIT SERIES

DRILL BIT SERIES

## SS2 DRILL BIT RE-SHARPENER



- SS2 type can grind the tip angle (top angle) of the drill bit, the front cutting edge (positive front angle), the chip removal (rear angle), and the size of the center cross edge can be adjusted at will. It can replace the center drill for more precise positioning, easier chip, and easier drilling.

Model	SS2
Grinding range	φ2-φ6
Point Angle	90°/140°
Motor	AC 220V/120W
Speed	4800RPM
Grinding wheel	CBN(高速钢专用)或SDC(钨钢专用)
Dimension	36x21x19cm
Weight	9kg

## DRILL BIT SERIES

### S20

#### DRILL BIT RE-SHARPENER



- This machine is portable, accurate and durable, equipped with diamond grinding wheel made in Taiwan.
- It can sharpen the tip angle (apex angle), front cutting edge (positive rake angle) and chip flute (rear angle) of the drill bit. It can replace the center drill for more accurate positioning, easier chip evacuation and easier drilling.
- For three-slope drill bits, internal cooling drills, powder metallurgy drills, etc.

Model	S20	S13
Grinding range	φ3-φ20	φ3-φ13
Point Angle	118°-140°	118°-140°
Motor	AC 220V/160W	AC 220V/160W
Speed	4400RPM	4400RPM
Grinding wheel	CBN(高速钢专用)或SDC(钨钢专用)	
Dimension	43x22x21 cm	
Weight	12kg	

### DZ01

#### SPOT DRILL RE-SHARPENER



- This machine is a simple portable type, which can grind spot drills. It is easy to operate and requires no technical skills to grind

Model	DZ01
Grinding range	φ4-φ14
Power	AC,220V±10%
Motor	160W/4400RPM
Dimension	40x24x22cm
Weight	14KG

# DRILL BIT SERIES

## 13T STEP DRILL RE-SHARPENER



- The 13T type can be cutter sharpening the step drill.
- It is equipped with the Taiwanese master's manufacturing diamond grinding wheel with precise angle, long life, cost saving and high use efficiency.

Model	13T
Grinding range	φ4-φ14
Point Angle	90°-130°
Power	AC 220V
Motor	160W
Speed	4400RPM
Grinding wheel	CBN(高速钢专用)或SDC(钨钢专用)
Dimension	33x24x24cm
Weight	13kg

## 13Q STEP DRILL RE-SHARPENER



- The 13Q type can be cutter sharpening thin plate drills.
- It is equipped with the Taiwanese master's manufacturing diamond grinding wheel with precise angle, long life, cost saving and high use efficiency.

Model	13Q
Grinding range	φ4-φ14
Point Angle	90°-130°
Power	AC 220V
Motor	160W
Speed	4400RPM
Grinding wheel	CBN(高速钢专用)或SDC(钨钢专用)
Dimension	33x24x24cm
Weight	14kg

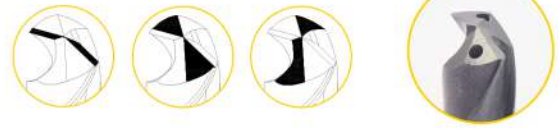
DRILL BIT SERIES

DRILL BIT SERIES

## DRILL BIT SERIES

### 6A

#### DRILL BIT RE-SHARPENER



- 6A drill bit grinder comes with a camera, which is used for positioning the drill bit for grinding, and observe the drill bit after grinding. It can grind the self-centering drill with a flat relief angle and a variety of chisel blades.
- There is a stroke stop control during grinding, which can ensure high precision of the drill, good symmetry, not only strong penetration, but also long life.

Model	6A
Range	$\phi 0.8 - \phi 6$
Point Angle	$90^\circ - 150^\circ$
Power	250W
Speed	4400rpm
Dimension	62x34x33cm
Weight	38kg

### D20

#### PASSIVATING MACHINE

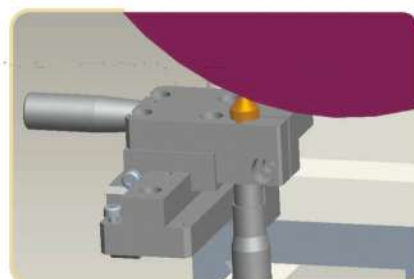


- This machine is designed and developed according to the passivation demand.
- Self developed passivation system, bit passivation amount controllable, adjustable, easy to operate Hands, According to the different processing conditions, different passivation values are set, and the tool after reasonable passivation is optimized The service life and stability of the device are obviously improved.

Model	D20
Power	AC 220V 50/60HZ
Speed	160W/ 4400RPM
Range	$\phi 3 - \phi 20\text{mm}$
Weight	27KG
Dimension	44x32x32cm

# DRILL BIT SERIES

## 60A/80A DRILL BIT RE-SHARPENER



60A drill sharpening machine can sharpen various standard twist drills, flat bottom drills, center positioning drills, step drills, four-sided drills, cemented carbide drills, wood drill bits, end mills, counter-hole drills, etc.; repairable Grind the flank, rake face, chisel edge, chamfer, etc. of various top angle drills.

Model	60A	80A
Grinding range	$\phi 3 - \phi 60$	$\phi 3 - \phi 80$
Grinding wheel	$\phi 200$	$\phi 200$
Motor	550W/2800RPM	550W/2800RPM
Speed	2800RPM	2800RPM
Dimension	56x46x49cm	56x46x49cm
Weight	101KG	106KG

DRILL BIT SERIES

DRILL BIT SERIES

# DRILL BIT SERIES

## Z5 GUN DRILL RE-SHARPENER



- The structure is compact, the clamping is convenient and reasonable, the adjustment is simple, and the processing is time-saving (The grinding of five main angles can be completed by one clamping), and the drilled edge is high in strength and precision.
- The grinding effect is close to the factory effect, and the angle can be changed according to the drilling requirements, saving the use cost and improving the use efficiency.

Model	Z5
Grinding range	φ5-φ32 (φ3选配)
Power	AC 380V
Motor	370W/2800RPM
Z axis travel	100mm
X axis travel	140mm
Dimension	56x46x49cm
Weight	73KG

## K1 HOLLOW DRILL



- It can grind right angle shank, overtone shank, threaded shank, hollow drill bit. The grinding material is hard alloy, high speed steel, etc. The operation is convenient and simple, economical and practical. (Optional grinding wheel material)

Model	K1
Grinding range	φ12-φ35
Power	220V
Motor	250W 2800rpm
Horizontal angle	0°-90°
Vertical angle	0°-90°
Dimension	60x50x35cm

DRILL BIT SERIES

DRILL BIT SERIES

# UNIVERSAL TOOL GRINDER

## GT-60250



- ◆ The operating table adopts high-precision linear guide rails, the table is stable and the operation is easy
- ◆ The spindle adopts imported bearings, operating table and the taper can be adjusted
- ◆ With a variety of accessories can be ground: forming tools, end mills, R-type milling cutters, reamers, turning tools, R-type turning tools, gear cutters, drill bits, engraving knives, full back cutters, chamfering knives, round knives, outer grinding, planar grooves, forming surface, etc.

	GT-60250	GT-60250
Max external grinding diameter (mm)	250	250MM
Max internal grinding diameter (mm)	80	80MM
Horizontal travel of the operating table (mm)	300MM	300MM
Longitudinal travel of the operating table (mm)	170MM	120MM
Elevating distance of wheel head (mm)	140MM	140MM
Rotating distance of wheel head (mm)	360°	360°
Speed of grinding wheel (rpm)	3600 rpm	3600 rpm (Can change)
Main motor (W/V)	550W 220V/380V	550W 380V
Attachment motor (W/V)		60W 380V
Attachment height (mm)		135MM
Taper of spindle	MT3#	MT3#
Taper of attachment spindle		MT4#
The workbench size (mm)	130x680MM	130x680MM
Grinding wheel size	125x50x32MM	Accept OEM
Net weight/Gross weight (kg)	165/185kg	209/240kg
Packing size (cm)	76x74x73cm	127x82x148cm

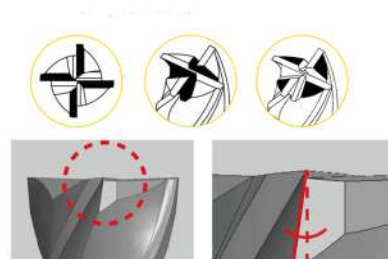
# END MILL RE-SHARPENER



**GT-X3**



**GT-X3S**



**GT-X3A**



**GT-X3AS**



**GT-X5**

- ◆ Model X3 is a portable knife sharpener that can grind 2-blade, a-blade and 4-blade milling cutters without technology. Optional hixture group can grind 5-blade end mill.
- ◆ By adjusting the lifting button wheel, the width and depth of the chip flute can be controlled to better meet the processing needs of different materials.
- ◆ The unique structure can grind the axial wedge angle of the milling cutter, increase the sharpness of the cutting edge of the end face, and reduce the cutting resistance.

Model	X3/X3S	X3A/X3AS	X5
Grinding range	φ4-φ14	φ4-φ20	φ12-φ30
Power	AC,220V±10%	AC,220V±10%	AC,220V±10%
Motor	160W/4400RPM	200W/4400RPM	250W/4400RPM
Dimension	35x23x24cm	40x24x26cm	40x31x32cm
Weight	15KG	16KG	28KG



**GT-A12/A20**



A12 type is a fool portable, can grind 2 blades, 3 blades, 4 blades, the operation is simple, and it can grind without technology. Equipped with brushless motor, it significantly improves the stability and power, and the service life is 3~5 times that of ordinary motor.

Model	A02	A12	A20
Grinding range	φ2-φ6	φ4-φ12	φ4-φ20
Power	AC,220V±10%		
Motor	550W/3000-6000RPM		
Dimension	40x30x28cm		
Weight	11KG	11KG	14KG

END MILL RE-SHARPENER

END MILL RE-SHARPENER

# MILLING CUTTER SERIES

**X1**  
END MILL RE-SHARPENER



- Type X1 is a portable tool grinder, can be ground blade 2, blade 3, blade 4 may also be customized directly out tungsten rod end surface edge, a simple operation, without the need to milling techniques.
- Special chuck set, no need to adjust the slotting knob, you can complete the milling cutter long and short edge grinding.

Model	X1	X1A
Grinding range	φ4-φ14	φ4-φ20
Power	AC,220V±10%	AC,220V±10%
Motor	200W/4400RPM	200W/4400RPM
Dimension	35x24x26cm	35x24x26cm
Weight	15KG	16KG

MILLING CUTTER SERIES

MILLING CUTTER SERIES

# MILLING CUTTER SERIES

## X6 SPIRAL END MILL RE-SHARPENER



- The self-developed X6 milling cutter grinding machine has the function of grinding the side edge of the spiral milling cutter on the basis of the function of X3.
- The side edge grinding structure adopts the cross guide rail and precision bearing to make the grinding effect of the side edge of the milling cutter more stable, and it can grind the double cutting edge angle close to the new cutter.
- X6C type is an equipment for individually grinding the side edge of an end mill.

Same function, multiple specifications



Model	X6	X6A	X7	X6C/X6S
Grinding range	φ4-φ14	φ4-φ20	φ12-φ30	φ6-φ14
Power	AC,220V±10%	AC,220V±10%	AC,220V±10%	AC,220V±10%
Motor	160W/4400RPM	160W/4400RPM	250W/4400RPM	160W/4400RPM
Dimension	54x25x31cm	58x32x27cm	58x33x38cm	38x25x26cm
Weight	22KG	27KG	42KG	15KG

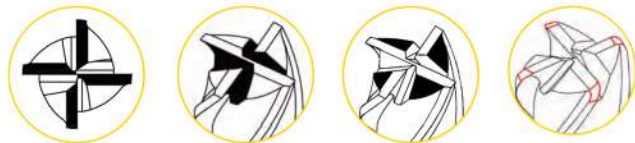
Standard X6: 6 ER20 collets, 5 type 15 collets;  
 X6A: 6 ER20 collets, 3 ER25 collets and 8 20 models.,  
 X7: 10 ER40 types. X6C: 15 types.

MILLING CUTTER SERIES

MILLING CUTTER SERIES

# MILLING CUTTER SERIES

## X6R CORNER RADIUS END MILL RE-SHARPENER



Model	X6R/X6RA
Grinding Range	$\phi 4-\phi 14(\phi 20)$
Grinding Range	R0.5,R1 或 R1.5,R2或R0.3,R0.5,R0.8,R1
Motor	220V/160W
Speed	4400RPM
Ginding Wheel	CBN(高速钢专用) 或 SDC(钨钢专用)
Dimension	42x25x40cm
Weight	22kg

- This machine can grind end mill and round nose cutter. It is portable for fools. It can be grinding with 2 blades, 3 blades and 4 blades. Customized can also directly open the edge of the face by tungsten bars. The optional clamp set grinds a 5-blade end mill cutter.
- The circular arc of the coping round nose milling cutter is R0.3, R0.5,R0.8,R1 or R0.5, R1, or R1.5, R2. If there are other specifications, the arc can be customized.

## X8 BALL END MILL RE-SHARPENER



Model	X8
Grinding Range	$\phi 6-\phi 20$
Motor	220V/(250W)
Speed	4400RPM
Ginding Wheel	CBN(高速钢专用) 或 SDC(钨钢专用)
Dimension	60x29x37cm
Weight	40kg

- This machine is a special equipment for grinding ball end milling cutters, which can grind all angles.
- Grinding is precise and fast, easy to operate, and easy to grind without skill.
- It is equipped with the Taiwanese master's manufacturing diamond grinding wheel with precise angle, long life, cost saving and high use efficiency.

MILLING CUTTER SERIES

MILLING CUTTER SERIES

## MILLING CUTTER SERIES

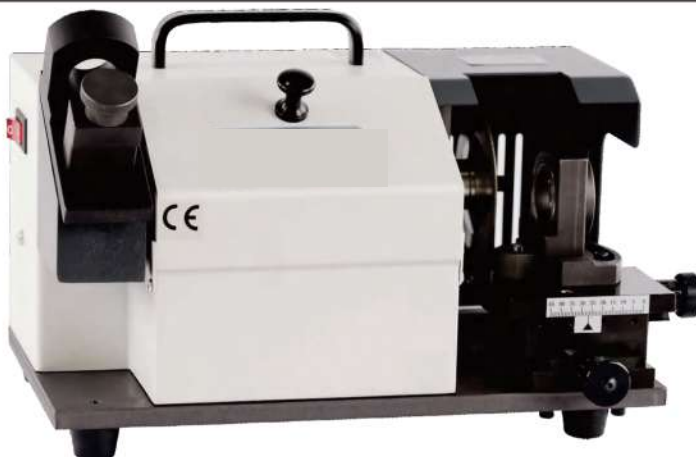
### X2 SINGLE-EDGE END MILL RE-SHARPENER



Model	X2
Grinding range	$\phi 4-\phi 14$
Power	AC,220V $\pm$ 10%
Motor	160W/4400RPM
Dimension	35x23x24cm
Weight	13KG

- X2 milling cutter grinding machine is specially designed for grinding single-edge milling cutters and can be ground without technology.
- Equipped with high-quality resin grinding wheel, it significantly improves the finish of the sharpened blade surface, and the blade angle can be adjusted.

### X4 CUTTING MACHINE



Model	X4	13W
Grinding range	$\phi 4-\phi 14$	$\phi 4-\phi 14$
Power	AC,220V $\pm$ 10%	AC,220V
Motor	160W/4400RPM	160W/4400RPM
Dimension	35x23x24cm	35x23x27cm
Weight	12KG	13KG

Note: Standard collet collet X4 type 11; standard grinding range  $\phi 4-\phi 14$ .

- This machine is a special equipment, which is easy to operate and can cut cutting tools such as drills, wire taps and milling cutters. Easy to grind without the need for skill, saving costs and improving the efficiency of use.
- Electronically controlled powerful motor: stable frequency and strong horsepower. Can be used for a long time.

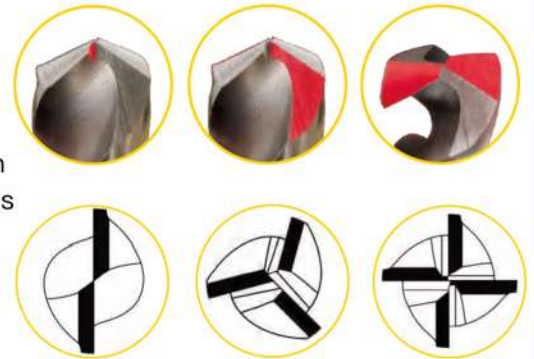
# MILLING CUTTER SERIES

## F4/F6 COMPLEX RE-SHARPENER OF MILL & DRILL



Model		
Range	φ4-φ14/φ12-φ30	φ3-φ13 / φ13-φ30(32)
Point Angle	0°-3°	100°-135°/95°-135°
Power	220V 160W/220V 250W	
Motor	4400RPM	
Grinding wheel	CBN(高速钢专用) 或 SDC (钨钢专用)	
Dimension	36x24x31cm	45x34x38cm
Weight	21kg	47kg

- This machine is a combination of milling cutter and drill. It can be used in one machine to reduce the number of machines. It is convenient to use, efficient and fast and easy to grind without technology.

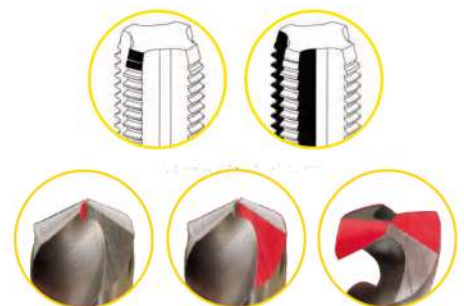


## A5/A6 COMPLEX RE-SHARPENER OF TAP & DRILL



Model		
Range	M5-M20	φ4-φ14
Point Angle	5°-30°	100°-135°
Power	220V 160W	
Motor	4400RPM	
Grinding wheel	CBN(高速钢专用) 或 SDC (钨钢专用)	
Dimension	37x30x32cm	45x27x32cm
Weight	22KG	25KG

- A5 is a combination of strew tape and drill. A6 is a combination type of strew tape and milling cutter. This machine is a combination of milling cutter and drill. It can be used in one machine to reduce the number of machines. It is convenient to use, efficient and fast and easy to grind without technology.



MILLING CUTTER SERIES

MILLING CUTTER SERIES

# TAP SERIES

## Y6B SPIRAL SCREW TAP RE-SHARPENER



- This machine is simple and portable, it can grind three-blade, four-blade straight flute screw tap, optional grinding five-blade wire tapping.
- Y6B type is a double-head grinding structure. The left side has the same function as the Y3C type, which can grind the entire front cutting surface and front cutting edge of straight flute taps and tip taps, as well as the front cutting surface of spiral taps; the right side is a unique profiling structure that can grind spiral taps spiral cutting groove.

Model	Y6B
Range	M5-M20
Point Angle	5°-30°
Power	220V 160W
Motor	4400RPM
Grinding wheel	CBN(高速钢专用) 或 SDC (钨钢专用)
Dimension	45x30x31 cm
Weight	24KG

Standard accessories: 6 collets  
 Standard grinding range:  
 M5-M20; M10-M20 (spiral groove)

# TAP SERIES

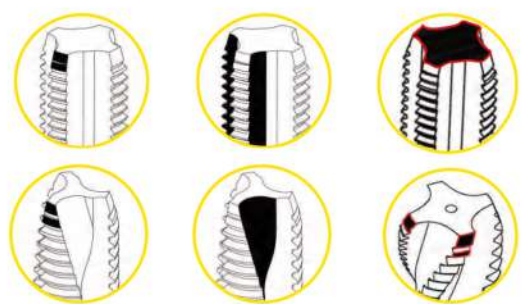
## Y3C SCREW TAP RE-SHARPENER



Figure 1: Tap re-sharpening machine Y3C, Y3/Y3C, Y5C

Model	Y3/Y3C	Y5C
Range	M5-M20	M16-M42
Point Angle	5°-30°	5°-30°
Power	220V 160W	220V 250W
Motor	4400RPM	
Grinding wheel	CBN(高速钢专用) 或 SDC (钨钢专用)	
Dimension	36x27x30.5cm	40x30x31 cm
Weight	11/14kg	26.5kg

- This machine is simple and portable, it can grind three-blade, four-blade straight flute screw tap, optional grinding five-blade wire tapping.
- Y3C/Y5C can grind the straight groove screw tap's the entire front cutting surface and the front cutting edge.



## Y2 SPIRAL SCREW TAP RE-SHARPENER



- Self-developed Y2 can grind screw tap's the entire front cutting surface and end surface, and grind 3 blades, 4 blades, and screw tap.
- Grinding is precise and fast, easy to operate, and easy to grind without skill.

Model	Y2
Range	M1-M6
Point Angle	5°-30°
Power	220V 160W
Motor	4400rpm
Grinding wheel	CBN(高速钢专用) 或 SDC (钨钢专用)
Dimension	55x32x31 cm
Weight	24kg



TAP SERIES

TAP SERIES

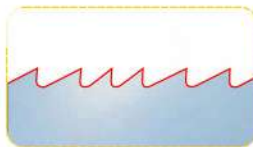
# SAW BLADE SERIES

## S380 BAND SAW BLADE SHARPENER



- It can precisely grind various joinery band saw blades, bimetal band saw blades, carbide band saw blades, etc.
- TX-S380 is a patented product, which can grind various 2/3, 3/4, 4/6 variable tooth (tooth tip) band saw blades, a new multi-purpose gear grinding equipment with one machine.

Model	S380
Saw blade width	16-45mm (60 mm)
Teeth space	3-30mm
Feed speed	40-60teeth/min
Voltage	220V / 380V
Power/Speed	550W/2800RPM
Dimension/Weight	65x65x107cm/110kg

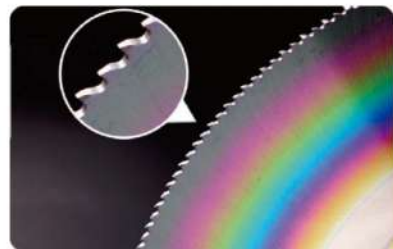


## Q15 CIRCULAR-ARC SAW BLADE SHARPENER



- Q15 can easily adjust the cutting angle, backlash angle, tooth depth and pitch of the saw tooth to sharply and accurately grind the sharp saw blade. The grinding wheel can be swung up and down, and the chamfer can be ground without changing the grinding wheel.

Model	Q15	
Saw blade diameter	φ50	-φ450
Speed	45~180	
Teeth space/Tooth depth	(max)25mm	(deepest)8mm
Cutting angle	0°~30°	
Saw thickness	(thickest)8mm	
Dimension	56x50x60cm	
Weight	100kg	



SAW BLADE SERIES

SAW BLADE SERIES

# SAW BLADE SERIES

## Q5 SAW BLADE SHARPENER



- With accurate positioning and high-speed recombination can be used to grind the saw blades of cemented carbide and white steel. It can automatically remove the tooth, stepless speed regulation, and fast and accurate.
- Q5 is a patented saw blade gear grinding machine. The motor can rotate up and down to grind the front and rear angle of the saw blade (also known as the burr-free saw blade grinding machine).
- Q12 includes the function of Q5. It is equipped with the grinding range of  $\phi 60 - \phi 270$  as standard. It is mainly for the thin saw blade with dense teeth (customized below  $\phi 60$ ).

Model	Q5	Q12
Saw blade dia.	$\phi 60 - \phi 160$	$\phi 60 - \phi 320$
Speed	45teeth/min/2800RPM	45teeth/ min
Voltage	220V/380V	220V/380V
Power	550W/60W(T)	250W/60W(T)
Dimension	65x65x107cm	60x52x64cm
Weight	103kg	70KG



## Q10 SAW BLADE SHARPENER



- It doesn't need of analog board, can automatically remove teeth, plain speed regulation, and fast and accurate. It can also grind saw tooth and tooth shape, with good grinding performance, stability and high efficiency.
- Q8 is suitable for special machine tools for welding saw blade grinding.
- Grinding can range  $\phi 60 - \phi 350$ .

Model	Q8	Q10
Saw blade Dia.	$\phi 350 - \phi 500(\phi 800)$	$\phi 60 - \phi 350(\phi 400)$
Grinding speed	40-60teeth/min	
Speed	2800rpm	4000rpm
Voltage	220V/380V	220V
Power	550W/60W	250W/60W
Dimension	65x65x107cm	55x44x62cm
Weight	100kg	59kg



# CHAMFERING MACHINE SERIES

## R200A PORTABLE CHAMFER



- This machine is suitable for any length, unheated mechanical parts manufacturing, mould base and other heavy workpieces that are difficult to move. It is easy to carry and saves time. It can adjust the motor speed at any time according to different processing materials.
- The R200A is equipped with a brushless motor, which significantly.

Model	R200A	R200
Chamfering range	0-9mm	0-3mm
Chamfering angle	15°-45°	
Power	220V/750W	380V/250W
Speed	3000-6000rpm	2800rpm
Dimension	42x28x29cm	38x24x25cm
Weight	12.5kg	12kg

## R100 PORTABLE CHAMFER



- Min pneumatic chamfer is a portable and a power device, use the expansion of compressed gas to convert pressure energy into mechanical energy.
- With the simple structure, small size, light weight, large horsepower, easy operation that used widely.



Model	R100
Chamfering capacity	C0.1-C1.5; R1.5
No-load speed	3000rpm
Chamfering hole Dia	0.1-0.9MM
Air consumption	0.4m <sup>2</sup>
Air pressure	0.6-0.8mpa
Weight	0.44kg



# CHAMFERING MACHINE SERIES

## R300H SLIDE RAIL CHAMFER MACHINE



Model	R300H
Chamfering height	R1-R4/C3
Power	220V/550W
Speed	3000-6000rpm
Dimension	52x40x25cm
Weight	33kg

- This machine is suitable for workpieces without heat treatment, such as chamfers of various molds and mechanical parts manufacturing.
- Model R300H is an enhanced version of model R300D, including all functions of model R300D.
- R300H type has added slide type working panel to prevent friction and scratch between workpiece surface and working panel.

## R300D ARC ANGLE CHAMFER



Model	R300D	R300
Chamfering height	R1-R4/C3	0-3(6)mm
Power	220V/550W	380V/550W
Speed	3000-6000rpm	2800rpm
Dimension	43x34x25cm	54x40x31cm
Weight	30kg	39kg

- This machine is suitable for workpieces without heat treatment, such as chamfers of various molds and mechanical parts manufacturing.
- The R300D is the first to invert the R and C angles, and adjust the motor speed at any time depending on the material being processed.
- R300D is equipped with a brushless motor, which significantly improves the stability and power, and the service life is 3 to 5 times that of ordinary motors.



CHAMFERING MACHINE SERIES

CHAMFERING MACHINE SERIES

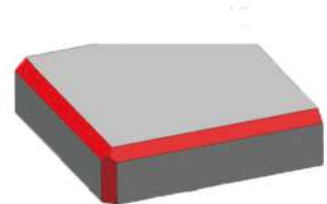
# CHAMFERING MACHINE SERIES

## R500 GRINDING WHEEL CHAMFERING MACHINE



Model	R500
Chamfering range	0-3mm
Chamfering angle	45°
Power	AC380V/220V
Speed	12000rpm
Dimension	56x40x39cm
Weight	43kg

- This machine is suitable for large workpieces that have not undergone heat treatment, such as various molds and mechanical parts manufacturing chamfers.
- Easy to operate, neat chamfering, convenient adjustment, economical and reliable, with an efficiency 10-15 times that of economic, is the trend of development in the machinery industry.



## R700 CHAMFER MACHINE



Model	R700	R700D/B
Chamfering height	0-2.5mm	0-3mm
Chamfering angle	45°	45°/15°-45°
Power	380V 550W	380V 550W
Speed	12000rpm	8500rpm
Dimension	44X39X49Ccm	46X41X56cm
Weight	43kg	43kg/49kg

- The R700 curve chamfering machine can perform high-speed chamfering and deburring on the curved edges of metal parts
- R700B / D linear chamfering machine can perform high speed chamfering and deburring on the straight edge of metal parts. It is mainly used for chamfering of machined parts in machining, mold manufacturing and other industries.
- R700B can adjust the angle of straight edge chamfer.



CHAMFERING MACHINE SERIES

CHAMFERING MACHINE SERIES

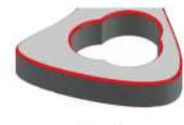
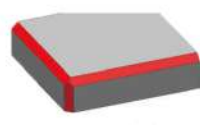
# CHAMFERING MACHINE SERIES

## R800B/D CHAMFER MACHINE



Model		
Chamfering range	0-3mm	0-2.5mm
Chamfering angle	15°-45°	45°
Power	380V/750W	
Speed	8500rpm	12000rpm
Dimension	52x44x60cm	52x46x53cm
Weight	68kg	53kg

- R800B is an enhanced version of R800D, including all functions of R800D. The linear chamfering part can be adjusted from 15° to 45°.
- Whether the processed product is straight or curved (outer round, inner hole, waist hole), it can be easy to chamfer.
- SKF high-speed bearing imported from the original, with customized three-phase motor, stable operation, not easy to heat.

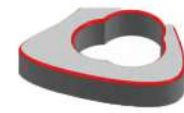
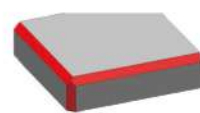


## R800H/R900H SLIDE RAIL CHAMFER MACHINE



Model		
Chamfering range	0-3mm	0-2.5mm
Chamfering angle	45°	45°
Power	380V/750W	
Speed	8500rpm	12000rpm
行程 About worktable diameter	200mm	300mm

- The R800H workpiece does not produce frictional motion, does not scratch the surface, drives the slide rail to move, making pushing chamfering easier and more labor-saving, and drives the slide rail to apply force, resulting in a more flat and uniform chamfered surface.
- R900H guide rail widened and lengthened, overall heat treatment, fine grinding plate surface, plated with hard chrome, more durable and wear.



CHAMFERING MACHINE SERIES

CHAMFERING MACHINE SERIES

# TAPPING MACHINE SERIES

## M12SE/M48SE Electric tapping machine



### OPTIONAL ACCESSORIES:



- It has the functions of silence, stability, power saving, high speed low torque, low speed high torque, overload protection, etc. Touch screen design, automatic and manual mode optional, easy to operate, efficient, time-saving and labor-saving.
- Equipped with torque protection structure, the tap will not break no matter the blind hole or through hole.
- Precision planetary reducer, with high-quality servo motor, works smoothly and has low failure rate.

MODLE	M12E/M12SE	M16/M16SE	M30/M30SE	M36/M36SE	M48/M48SE
Working radius	1045mm	1045mm	1180mm	1180mm	1260mm
Stroke	560mm	560mm	705mm	705mm	
rated power	600W	600W	1200W	1200W	1200W
voltage	220V	220V	220V	220V	220V
Rated speed	660rpm	312r/min	200r/min	125rpm	250/50rpm
Processing range	M3-M12	M3-M16	M6-M30	M6-M36	M33-M48/12-M48

# TAPPING MACHINE SERIES

## M12SC/M48SC Electric tapping machine



- It has the functions of silence, stability, power saving, high speed low torque, low speed high torque, overload protection, etc. Touch screen design, automatic and manual mode optional, easy to operate, efficient, time-saving and labor-saving.
- Equipped with torque protection structure, the tap will not break no matter the blind hole or through hole
- Precision planetary reducer, with high-quality servo motor, works smoothly and low failure rate.

### OPTIONAL ACCESSORIES



MODEL	M12C/M12SC	M16C/M16SC	M30C/M30SC	M36C/M36SC
Working radius	1045mm	1045mm	1180mm	1180mm
Stroke	560mm	560mm	705mm	705mm
rated power	600W	600W	1200W	1200W
voltage	220V	220V	220V	220V
Rated speed	660rpm	312r/min	200r/min	125rpm
Processing range	M3-M12	M3-M16	M6-M30	M6-M36

### WORK TABLE

MODEL	TABLE	TABLE	TABLE
Size	800x500MM	900x600MM	700x700MM
Weight	64KG	81KG	40KG



### MAGNETIC SEAT

MODEL	PMB-300	PMB-600	PMB-1000
Rated capacity	300kg	600kg	1000kg
Maximum putted off	900kg	1800kg	3000kg
Self-weight	9kg	18kg	48kg

# MULTIFUNCTIONAL SERIES

## U5 Universal Cutter Grinder



- Universal tool grinder is the necessary machine for grinding drill bit and end mill, U2 can grind single-edge tools. U3 universal tool grinder can grind bit, turning tool and ball end mill. The maximum clamping range can reach 16mm. The U5 equipped with 5C collets and the maximum clamping range is 25mm.

Model	U5	U2/U3
Collet diameter	φ3-φ25mm	φ3-φ16
Motor	220V/380V 1/3HP 50HZ	220V/380V 1/3HP 50HZ
Speed	4800RPM	4800RPM
Grinding wheel	φ100x50xφ20	φ100x50xφ20
Dimension	550x450x470mm	530x410x380mm
Weight	45kgs	43/58kgs

Note: The factory is equipped with 6mm collet (or 1/4 ") a kind

# MULTIFUNCTIONAL SERIES

## 600F UNIVERSAL TOOL GRINDER

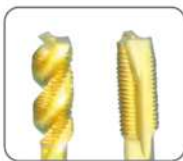


- 600F type adopts high precision double linear guideway with smooth and steady bed and light reciprocating motion. 6025 type can grind inner and outer circles.
- This machine can grind keyway milling cutter, three-sided edge milling cutter, turning cutter, hobbing cutter, reamer and so on.
- Optional accessories 50E can be used to grind spiral milling cutter and ball end milling cutter.
- Optional accessories 50K can be used to grind . drills, taps and other cutter tools.

Model	600/600F	6025
About worktable diameter	300mm	350mm
About worktable traveling schedule	150mm	
Worktable area	130x550mm	130x675mm
Grinding wheel size	φ125x50xφ32mm	φ150x16xφ32mm
Power/Speed	2800RPM	3500RPM
Motor	3/4HP220V/380V	
Dimension	66x65x60cm	77x75x71cm
Weight	167kg/146kg	209kg/222kg



6025



MULTIFUNCTIONAL SERIES

MULTIFUNCTIONAL SERIES

## TURNING INSERTS SERIES

### M3

BLADE & LATHE TOOL GRINDER

### M4

BLADE & LATHE TOOL GRINDER



- It can grind various numerical control blades, machine clamped blades, welding turning tools, boring tools and other tools coping and slotting. It is an ideal sharpen tool to replace traditional manual grinding.
- The worktable adopts high precision cross roller guide rail, the bed is smooth and stable and the operation is light and handy.

Model	M3	M3A
Arc angle	R1-R10	$\phi 5-\phi 32$
Speed	550W/2800rpm	550W/2800RPM
Voltage	380V 50/60HZ	AC 380V
About worktable diameter	140mm	140mm
Grinding wheel	$\Phi 125 \times 50 \times \Phi 32$	$\Phi 125 \times 50 \times \Phi 32$
Dimension	57x47x57cm	57x47x57cm
Weight	79kg	80kg



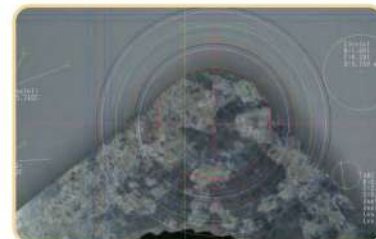
# TURNING INSERTS SERIES

## Device Characteristics

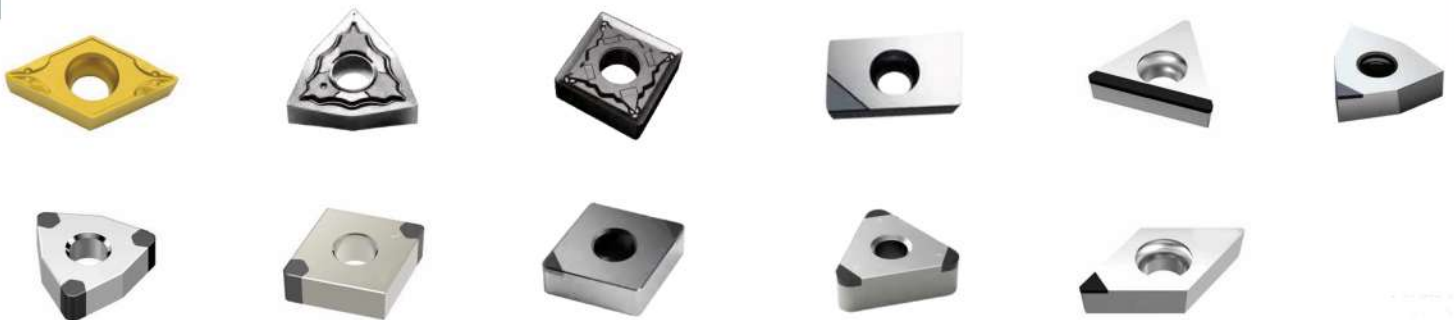
- M4 machine tools use cameras to detect the grinding cutter. It can on line inspect the length, angle and arbitrary arc radius (R0.05–R2.5) of the cutter.
- M4 machine tool is an on–line detection equipment with HD multiplier camera as the projector. Projection has high optical amplification clarity, distortionless, and the detection accuracy and resolution can reach 0.001 mm. The structure is high lightweight, and the grinding stability is good.
- It can grind PCD, PCBN and other super hard material blades, and can also customize non–standard R angle scale.
- Adding a dedicated accessory repairable ball type (SR)



Model	M4
Knife height range	5–30mm
Arc angle	R0.05–R2.4
Tool front and rear angle	0–25°
Tip angle	(35≤a≤180)°
Voltage	380V 50/60HZ
Speed	4200rpm
Grinding wheel	75x63x86cm
Weight	184kg



It can repair and grind a variety of blades

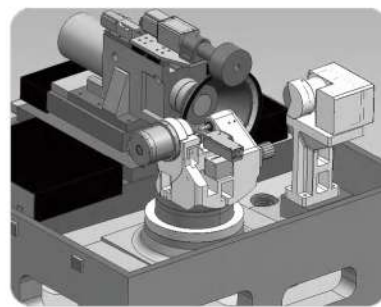
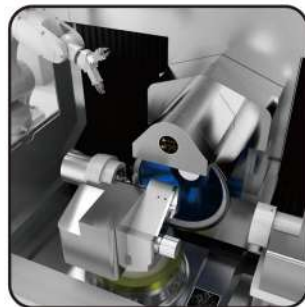


TURNING INSERTS SERIES

TURNING INSERTS SERIES

# MD400 PLUS

## CNC PERIPHERAL GRINDING MACHIN



### Technical characteristics

The MD400 PLUS edge-mounted cutting bed is a specialized cutting bed with indexable inserts, allowing for the machining of inserts in a single setup.

It features an innovative non-standard insert cutting head, designed for complex machining operations and new processes. Machining settings can be completed with a single click by importing a drawing.

The XY axes utilize THK high-precision roller guides paired with Akribis direct-drive motors; the B/C axes use DD direct-drive motors with a patented structure, achieving low noise, low torque, short torque fluctuations, ensuring robust components, and enabling long-term maintenance-free operation.

It includes a database of all ISO-certified insert parameters. Based on process requirements, users can input relevant parameters to complete the insert machining process.

A 12kW Taiwan synchronous electric half-axis actuator provides constant torque control, ensuring rigidity, resistance to damage, and material durability, resulting in quieter and more efficient cutting.

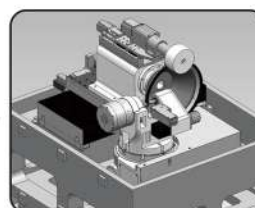
This uses KEYENCE (Keyence original needle) to accurately measure the outer dimensions of the blade, temperature and center of the blade, to ensure the blade's internal cutting selection. It uses HT300 grade ash-reducing iron, which, after aging treatment, is less prone to deformation or odor.

### Technical parameters

Minimum inner cutting circle	: 2.8mm	B-axis maximum rotation speed	: 360°/S
Maximum outer cutting circle	: 40mm	B-axis positioning accuracy	: 0.005°
Grinding wheel diameter	: 400mm	B-axis repeat positioning accuracy	: 0.002°
Maximum spindle speed	: 2000 r/min	C-axis rotation range	: -90°~+28°
Spindle motor power	: 12kW	C-axis maximum rotation speed	: 150°/S
X-axis travel	: 160mm	C-axis positioning accuracy	: 6 arcseconds
X-axis maximum moving speed	: 10000mm/min	Maximum clamping thickness	: 25mm
X-axis positioning accuracy	: 0.002mm	Clamping force	: 500~9000N
X-axis repeat positioning accuracy	: 0.001mm	Compressed air pressure	: 0.6MPa
Y-axis travel	: 580mm	Adjustment method	: Online adjustment
Y-axis maximum moving speed	: 10000mm/min	Total electrical power (approx.)	: 30 kVA
Y-axis positioning accuracy	: 0.002mm	Machine weight (approx.)	: 6000 kg
Y-axis repeat positioning accuracy	: 0.001mm	Overall dimensions (L × W × H)	: 295×190×210cm

# MD400

## CNC PERIPHERAL GRINDING MACHIN



### Technical characteristics

-MD400 CNC Circular Blade Grinder – A dedicated machine for sharpening circular blades that rotate around the circumference. It enables single-edge grinding and multi-functional operations.

Innovative development of blade grinding functions – Designed for complex curved edges and tapered rear angles. One-click import of CAD drawings enables completion of the setup.

X/Y axes use THK high-precision roller linear guides, equipped with an Akribis direct-drive motor. The B-axis uses a DD direct-drive motor combined with a proprietary structure to achieve zero backlash and low energy consumption.

Built-in proprietary iOS blade parameters database – Easy operation and quick process parameter setup. Relevant parameters can be automatically stored after completion.

7.5 kW dual servo electric spindle – Rigid control ensures high rigidity, vibration resistance, and long service life, resulting in stronger grinding capability.

Equipped with KEYENCE (base type) probe – Precisely measures blade dimensions and compensates the blade center to ensure accurate inner circle dimensions.

Integrated casting bed structure – Stable and reliable, with repeat positioning accuracy of 6 arcseconds. Equipped with an auxiliary rear angle grinding device to ensure consistent rear angle after sharpening.

Uses HT300 cast iron – Heat-treated for improved structural stability, resistance to deformation, and enhanced vibration resistance.

### Technical parameters

Minimum inner cutting circle	: 2.8mm	B-axis maximum rotation speed	: 360°/S
Maximum outer cutting circle	: 40mm	B-axis positioning accuracy	: 0.005°
Grinding wheel diameter	: 400mm	B-axis repeat positioning accuracy	: 0.002°
Maximum spindle speed	: 2000 r/min	C-axis rotation range	: -90°~+28°
Spindle motor power	: 7.5kW	C-axis maximum rotation speed	: 150°/S
X-axis travel	: 100mm	C-axis positioning accuracy	: 6 arcseconds
X-axis maximum moving speed	: 10000mm/min	Maximum clamping thickness	: 25mm
X-axis positioning accuracy	: 0.002mm	Clamping force	: 500~9000N
X-axis repeat positioning accuracy	: 0.001mm	Compressed air pressure	: 0.6MPa
Y-axis travel	: 200mm	Adjustment method	: Online adjustment
Y-axis maximum moving speed	: 10000mm/min	Total electrical power (approx.)	: 27 kVA
Y-axis positioning accuracy	: 0.002mm	Machine weight (approx.)	: 4500 kg
Y-axis repeat positioning accuracy	: 0.001mm	Overall dimensions (L × W × H)	: 260×175×200cm

# SE400

## CNC PERIPHERAL GRINDING MACHIN



### Technical characteristics

SE400 CNC Circular Blade Grinder – A specialized grinding machine for sharpening the circumference of rotating circular blades. It supports single-edge grinding functions.

Innovatively developed target blade grinding functions – Designed to meet the grinding requirements of complex curves and tapered edges. Processing setup can be completed by importing drawings with one click.

X/Y axes use HIWIN high-precision roller linear guides, equipped with Akribis linear motors. The B-axis uses a DD direct-drive motor combined with a proprietary structure to achieve low noise, low torque fluctuation, ultra-high rigidity, and long-term maintenance-free operation.

Built-in database including ISO standard blade parameters – Operators can input relevant parameters according to process requirements to complete full blade machining.

5.5 kW synchronous permanent-magnet electric spindle drive – Constant torque control ensures rigidity, vibration resistance, and durability. Grinding is more powerful and quieter.

Optional KEYENCE (base type) probe – Accurately measures blade outer diameter and compensates the blade center to ensure inner circle dimensional accuracy.

C-axis uses a worm-gear rotary table – Stable and reliable structure, with repeat positioning accuracy of 6 arcseconds. Equipped with a temporary angle encoder to ensure consistency of the blade rear angle dimensions.

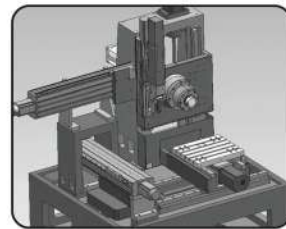
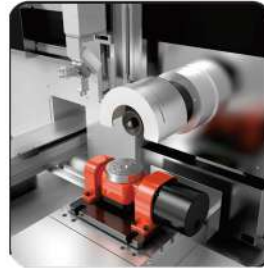
Made of HT300 grade gray cast iron – After natural aging treatment, the structure is stable, resistant to deformation, and provides strong vibration resistance.

### Technical parameters

Minimum inner cutting circle	: 2.8mm	B-axis maximum rotation speed	: 360°/S
Maximum outer cutting circle	: 40mm	B-axis positioning accuracy	: 0.005°
Grinding wheel diameter	: 400mm	B-axis repeat positioning accuracy	: 0.002°
Maximum spindle speed	: 2000 r/min	C-axis rotation range	: -90°~+28°
Spindle motor power	: 5.5kW	C-axis maximum rotation speed	: 150°/S
X-axis travel	: 100mm	C-axis positioning accuracy	: 6arcseconds
X-axis maximum moving speed	: 10000mm/min	Maximum clamping thickness	: 25mm
X-axis positioning accuracy	: 0.002mm	Clamping force	: 500~9000N
X-axis repeat positioning accuracy	: 0.001mm	Compressed air pressure	: 0.6MPa
Y-axis travel	: 200mm	Adjustment method	: Online adjustment
Y-axis maximum moving speed	: 10000mm/min	Total electrical power (approx.)	: 23 kVA
Y-axis positioning accuracy	: 0.002mm	Machine weight (approx.)	: 4000 kg
Y-axis repeat positioning accuracy	: 0.001mm	Overall dimensions (L × W × H)	: 230×195×195cm

# MC350

## CNC TOOL SLOTTING GRINDING MACHINE



### Technical characteristics

MC350 – A CNC tool grinder suitable for sharpening and machining various types of tools.

Developed to meet high-precision grinding requirements; capable of processing different tool geometries.

Equipped with a high-performance electric spindle to ensure high rigidity, precision, and durability.

Uses high-precision guide rails and motion components for stable operation and reliable accuracy.

Optimized mechanical structure design provides strong vibration resistance and long service life.

Made of HT300 high-grade cast iron; heat-treated for structural stability and deformation resistance.

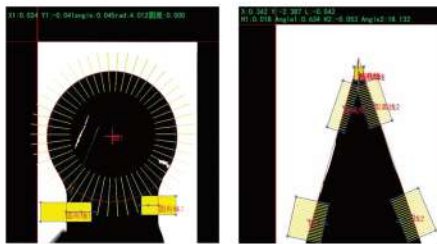
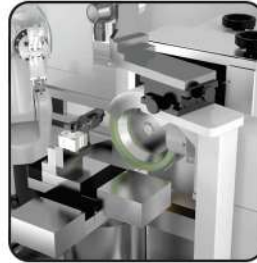
Suitable for processing various cutting tools such as inserts and special-shaped tools.

### Technical parameters

Working table size	300*350mm	Module X-axis travel	450mm
Grinding wheel diameter	400mm	Module X-axis repeat positioning accuracy	0.015mm
X-axis positioning accuracy	0.002mm	Module Y-axis travel	400mm
X-axis travel	150mm	Module Y-axis repeat positioning accuracy	0.015mm
Y-axis positioning accuracy	0.002mm	Module Z-axis travel	200mm
Y-axis travel	200mm	Module Z-axis repeat positioning accuracy	0.015mm
Z-axis positioning accuracy	0.002mm	Module C-axis maximum speed	300mm/s
Z-axis maximum moving speed	400mm/s	Module Q-axis maximum travel	0~200°
Spindle drive method	Direct-drive motorized spindle	Module Q-axis repeat positioning accuracy	0.1°
Motor power	11KW	Module Q-axis maximum moving speed	360°/s
Spindle speed	6000RPM	Product clamping method	Double clamping discs
Tool specification	Bt40	Cooling method	Oil mist / Water cooling
Tool diameter range	φ80–φ200mm	Fire extinguishing device	Optional automatic fire suppression system

# MF280

## FULLY AUTOMATIC TOOL GRINDING MACHINE



### Technical characteristics

MF280 is a fully automatic tool grinding machine upgraded from a traditional heavy-duty tool grinder. It can grind tools made of PCD, CBN, metal ceramics, carbide, and other materials.

With a self-developed vision system, it can automatically adjust the angle and runout deviation after the blade is clamped, ensuring that the tool's machining center always coincides with the rotary table center. It can also detect grinding wheel wear and provide real-time compensation, enabling fully automated production of PCD inserts.

Thanks to its special structural design, the grinding angle in a single setup can reach up to 270°. Combined with feedback from the vision system, it enables fully automated production of round inserts, semicircular grooving tools, and other types of tools.

Equipped with a Japanese original long-working-distance lens and a Gigabit Ethernet CCD camera, the system automatically detects machining allowance and angle deviation after clamping. Data is transmitted in real time to the servo motors, achieving a fully automated closed-loop process of clamping, inspection, grinding, and re-inspection, with a detection accuracy of 0.003 mm.

The C-axis rotary table features circular adjustment shafts (X1, Y1). With precision ball screws and crossed guide rails, and a pneumatic braking system during grinding, displacement is prevented.

The machine uses HT300 grade gray cast iron, naturally aged for enhanced structural stability, deformation resistance, and vibration resistance.

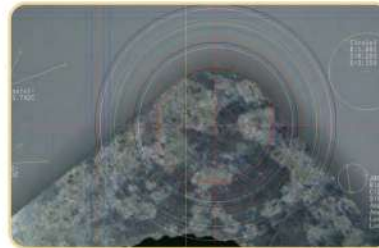
It is equipped with a NACHI six-axis robotic arm, offering flexible, fast, and stable performance, capable of loading and unloading along almost any trajectory or angle.

### Technical parameters

X-Axis Travel:	130mm	C-Axis Travel (Angle)	±140°
X-Axis Repeat Positioning Accuracy:	0.003mm	C-Axis Repeat Positioning Accuracy	3 arc minutes
Y-Axis Travel:	110mm	Maximum C-Axis Speed	180°/s
Y-Axis Repeat Positioning Accuracy:	0.002mm	X1-Axis Travel	50mm
Maximum Speed of Two Axes:	300mm/s	X1-Axis Repeat Positioning Accuracy	0.003mm
Z-Axis Travel:	65mm	Y1-Axis Travel	50mm
Spindle Angle Travel:	-5°±25° (Manual)	Y1-Axis Repeat Positioning Accuracy	0.003mm
Spindle Drive Method:	Synchronous Motorized Spindle	Vision Imaging Range	R0.05-R10 (Adjustable)
Spindle Power:	4KW	Vision Inspection Accuracy	0.003mm
Spindle Speed:	3000RPM	Material Placement	Dual trays
Grinding Wheel Inner Hole:	40mm	Machine Dimensions	180*140*200cm
Grinding Wheel Outer Diameter:	φ150-φ200mm	Cooling Method	Oil cooling / Water cooling

# M6C

## SEMI-AUTOMATIC TOOL GRINDING MACHINE



### Technical characteristics

- The M6C is a semi-automatic precision tool grinding machine, suitable for high-precision machining of tools made from PCD, CBN, carbide, and other materials.
- It innovatively adopts an intelligent CCD camera system, which allows free planning of R-angle scale lines, angle compensation, parallel lines, and other functions. This enables convenient and efficient processing of non-standard cutting tools.
- Features a patented high-rigidity rotary worktable, equipped with Japanese NSK P4-grade paired angular contact bearings. The drive structure consists of a servo motor and a harmonic speed reducer, combined with a circular grating system to ensure smooth rotation and extremely high angular accuracy.
- Uses imported cross roller guideways to ensure low vibration and high precision, achieving excellent stability and extending the machine's service life.
- The machine body is made of HT300 grade gray cast iron. After natural aging treatment, the structure remains stable, resistant to deformation, and offers excellent vibration damping performance.

#### Optional configurations:

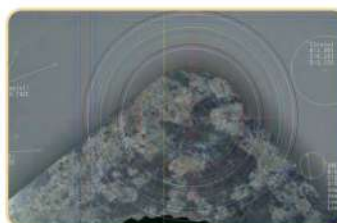
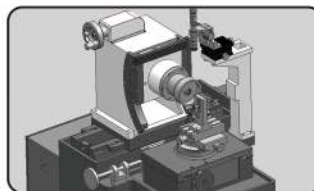
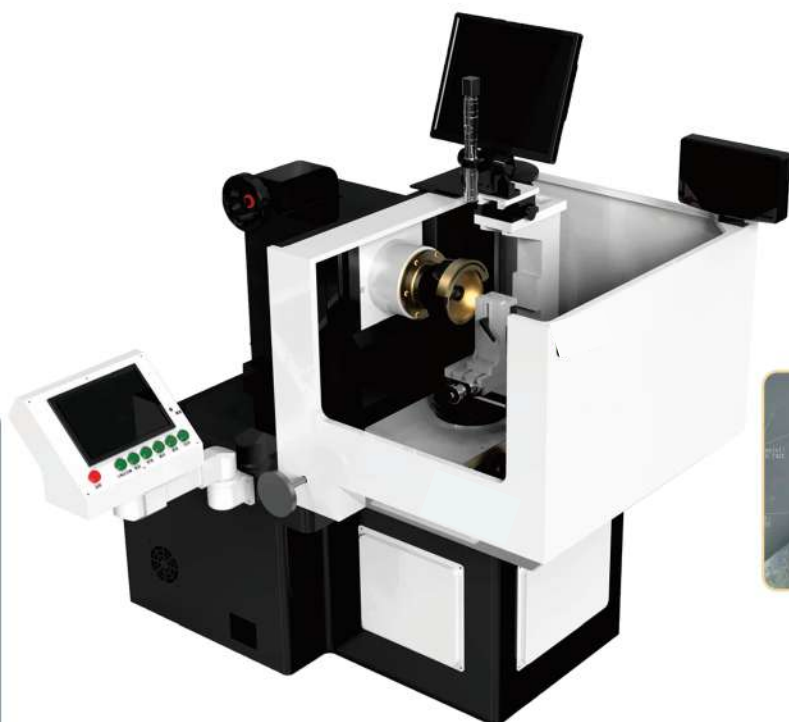
- Original Japanese telecentric lens combined with a Gigabit Ethernet CCD camera. After blade clamping, it automatically detects machining allowance and angle deviation, and transmits data in real time to the servo motor, achieving a fully automated closed-loop process of clamping – inspection – grinding – reinspection. Detection accuracy:  $\leq 0.003$  mm.
- NACHI six-axis robotic arm, flexible and fast, efficient and stable, capable of handling loading and unloading operations at almost any trajectory or angle.

### Technical parameters

X-axis travel	300mm	C-axis travel (angle)	$\pm 110^\circ$
X-axis repeat positioning accuracy	0.01mm	C-axis repeat positioning accuracy	3 arcminutes
Y-axis travel	100mm	C-axis maximum movement speed	$180^\circ/s$
Y-axis repeat positioning accuracy	0.003mm	Fixture X-axis travel	65mm
Maximum movement speed of both axes	300mm/s	Fixture X-axis straightness	0.01mm
Spindle angle travel	$-5^\circ$ to $25^\circ$ (manual)	Fixture Y-axis travel	65mm
Spindle drive method	Synchronous motorized spindle	Fixture Y-axis straightness	0.01mm
Spindle power	3KW	Vision imaging range	R0.05–R10 (adjustable)
Spindle speed	6000RPM	Machine dimensions	140*140*200cm
Grinding wheel inner bore	40mm	Cooling method	Water cooling
Grinding wheel outer diameter	$\phi 100$ – $\phi 200$ mm	Dust removal method	Dust collector

# M6

## MANUAL PCD TOOL GRINDING MACHINE



### Technical characteristics

- The M6 is a manual precision tool grinding machine, suitable for high-precision machining of PCD, CBN, carbide, and other cutting tools. While ensuring equipment accuracy and structural rigidity, it further improves operational convenience and production efficiency.
- It innovatively adopts an intelligent CCD camera system, allowing flexible planning of R-angle scale lines, angle measurement, parallel line comparison, and other functions, making it convenient and efficient for processing non-standard cutting tools.
- The machine bed is integrally cast from high-quality cast iron with a pressure-resistant structural design, making it more stable and less prone to deformation. After natural aging treatment, it maintains long-term high precision.
- Imported linear glass scales and angle encoders greatly enhance the machine's accuracy.
- Equipped with a self-developed operating system, allowing customers to program according to their needs, ensuring convenience and high efficiency.
- Customizable optional accessories include a round bar grinding device, negative chamfer fixture, and CBN negative chamfering machine.
- 60-liter forced-type bag filter system featuring a unique filtration design with high filtration accuracy. Properly configured sealing rings ensure 100% leak-free operation.

### Technical parameters

X-axis travel	300mm	C-axis travel (angle)	$\pm 110^\circ$
X-axis repeat positioning accuracy	0.01mm	C-axis repeat positioning accuracy	$0.01^\circ$
Y-axis travel	100mm (manual)	C-axis braking method	Pneumatic disc brake
Y-axis repeat positioning accuracy	0.002mm	Fixture X-axis travel	65mm
Maximum movement speed of both axes	300mm/s	Fixture X-axis straightness	0.01mm
Spindle angle travel	$-5^\circ$ to $25^\circ$ (manual)	Fixture Y-axis travel	65mm
Spindle drive method	Motorized spindle	Fixture Y-axis straightness	0.01mm
Spindle power	3KW	Vision imaging range	R0.05–R10 (Adjustable)
Spindle speed	6000RPM	Machine dimensions	120*120*180cm
Grinding wheel inner bore	40mm	Machine weight	1800kg
Grinding wheel outer diameter	$\phi 100$ – $\phi 200$ mm	Cooling method	Water cooling

# DL400

## AUTOMATIC CHAMFERING GRINDING MACHINE



### Technical characteristics

- The DL400 automatic chamfering grinder is specially designed for chamfering cylindrical and conical blades. It is a dedicated machine, highly efficient and convenient, capable of fully automatic processing of drilling bits for petroleum, coal bits, solid CBN roll blades, and more.
- The high-rigidity machine bed is made of premium cast iron and undergoes natural aging treatment, ensuring structural stability and resistance to deformation, meeting the grinding requirements for ultra-hard cutting tools.
- A dedicated, parameter-based operating system is developed specifically for blade chamfering. Operators can input the required parameters according to the process needs to complete the chamfering process efficiently.
- Depending on the blade shape, different clamping methods can be chosen:
  - Option 1: Double-side centering clamping with a specialized cylindrical fixture. Provides precise positioning and firm clamping, enabling fast negative chamfering of conical blades. The detachable cylindrical fixture base allows perfect adaptation to different sizes of conical blades.
  - Option 2: Single-side clamping with a Shobelin-type W25 cylindrical fixture. Ensures precise positioning and firm clamping, enabling fast negative chamfering of cylindrical blades.
- Equipped with a high-precision ruby probe to detect blade thickness in real time and automatically adjust chamfering values. This ensures consistent chamfer size even when blade thickness has larger tolerances.

### Technical parameters

Minimum blade diameter	3.96mm	Module X-axis travel	380mm
Maximum blade diameter	40mm	Module X-axis repeat positioning accuracy	0.02mm
Grinding wheel diameter	150-200mm	Module Y-axis travel	490mm
Maximum spindle speed	3000 r/min	Module Y-axis repeat positioning accuracy	0.02mm
Spindle motor power	2.2kW	Module Z-axis travel	310mm
Chamfering angle	0°-45°	Module Z-axis repeat positioning accuracy	0.02mm
X-axis travel	50mm	Module three-axis maximum speed	300mm/s
X-axis maximum movement speed	300mm/s	Module Q-axis maximum travel	0~200°
X-axis repeat positioning accuracy	0.004mm	Module Q-axis repeat positioning accuracy	0.1°
Y-axis travel	70mm	Module Q-axis maximum movement speed	360°/s
Y-axis maximum movement speed	300mm/s	Product placement method	Dual worktable
Y-axis repeat positioning accuracy	0.004mm	Cooling method	Oil cooling / Water cooling

# R2



## Technical characteristics

- The R2 R-angle tool grinder is specially designed for batch R-angle grinding and can also be used for batch repair of CBN blades.
- Driven by a 2.2 kW electric spindle, it provides stronger cutting force, less vibration, and quieter operation.
- Equipped with a self-developed operating system specifically designed for R-angle grinding, offering convenient and user-friendly operation.
- Uses an intelligent CCD camera, allowing flexible planning of R-angle scale lines, angle measurement, parallel line comparison, and other functions, making it easy and efficient to process R-angles on non-standard cutting tools.
- Supports multi-stage feed grinding, visual manual alignment, and automatic grinding.

## Technical parameters

X-axis travel	200mm	C-axis travel (angle)	$\pm 110^\circ$
X-axis repeat positioning accuracy	0.008mm	C-axis repeat positioning accuracy	3 arcminutes
Y-axis travel	70mm	C-axis maximum movement speed	180°/s
Y-axis repeat positioning accuracy	0.005mm	Fixture X-axis travel	30mm
Maximum movement speed of both axes	300mm/s	Fixture X-axis straightness	0.01mm
Spindle angle travel	-5° to 25° (manual)	Fixture Y-axis travel	30mm
Spindle drive method	Motorized spindle	Fixture Y-axis straightness	0.01mm
Spindle power	2.2KW	Vision imaging range	R0.05-R10 (adjustable)
Spindle speed	6000RPM	Machine dimensions	86*115*180cm
Grinding wheel inner bore	32mm	Machine Weight	600 kg
Grinding wheel outer diameter	$\phi 100-\phi 150$ mm	Cooling method	Water cooling

# MF270



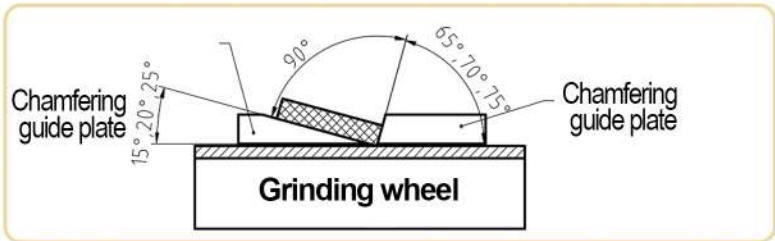
## Technical characteristics

- The MF270 is a semi-automatic precision tool grinding machine, suitable for high-precision machining of CBN, carbide, and other material cutting tools.
- It innovatively uses an intelligent CCD camera, allowing flexible planning of R-angle scale lines, angle measurement, parallel line comparison, and other functions, making it convenient and efficient for processing non-standard cutting tools.
- Thanks to its special structural design, a single grinding pass can achieve an angle of up to 270°. Combined with the visual system's feedback, it enables fully automatic production of tools such as hub cutters and semicircular slotting cutters.
- Imported cross roller guideways ensure low vibration and high precision, providing excellent stability and extending the machine's service life.
- The machine body is made of HT300 grade gray cast iron. After natural aging treatment, the structure remains stable, resists deformation, and offers excellent vibration damping performance.

## Technical parameters

X-axis travel	80mm	C-axis travel (angle)	$\pm 140^\circ$
X-axis repeat positioning accuracy	0.003mm	C-axis repeat positioning accuracy	3 arcminutes
Y-axis travel	80mm	C-axis maximum movement speed	180°/s
Y-axis repeat positioning accuracy	0.003mm	Fixture X-axis travel	40mm
Maximum movement speed of both axes	300mm/s	Fixture X-axis straightness	0.01mm
Spindle angle travel	-5° to 25° (manual)	Fixture Y-axis travel	40mm
Spindle drive method	Synchronous motorized spindle	Fixture Y-axis straightness	0.01mm
Spindle power	3KW	Vision imaging range	R0.05-R10 (adjustable)
Spindle speed	3000RPM	Machine dimensions	130*100*170cm
Grinding wheel inner bore	40mm	Machine weight	2000KG
Grinding wheel outer diameter	$\phi 150-\phi 200\text{mm}$	Cooling method	Water cooling

# MD200



## Technical characteristics

- The MD200 manual blade chamfering machine is specially designed for negative chamfering of blades. It can process materials such as carbide, metal-ceramic, and PCBN. The machine is ergonomically designed for convenient operation.
- The drive system consists of a brushless motor and a mechanical spindle, providing excellent stability, minimal vibration, and stepless speed adjustment.
- The chamfering angle can be adjusted by replacing the angle guide plate.

## Technical parameters

Item	MD200
Chamfering angle	15°/20°/25°
Chamfering range	0-2mm
Grinding wheel diameter	150mm
Spindle speed	0-5000rpm
Motor specifications	220V/2KW
Machine dimensions	49*57*90cm
Weight	100KG

# DH400



## Technical characteristics

- The DH400 blade honing machine is specially designed to address fine edge defects generated during blade processing.
- It is suitable for materials such as cubic boron nitride (CBN), metal-ceramic, and carbide.
- The surface roughness of the honed workpiece can reach Ra 0.02  $\mu\text{m}$ .
- Adopts a flat mounting method and is equipped with 5 insert positioning discs.
- Features a professional control interface specifically designed for the honing process, making it simple and easy to operate.

## Technical parameters

Brush diameter	400mm	Z-axis travel	300mm
Brush spindle power	1.5kw	Z-axis adjustment method	Worm and worm gear
Brush spindle speed	0-200rpm	Fixture specifications	$\phi 150\text{mm} \times 5\text{pcs}$
Fixture spindle power	1.5kw	Machine dimensions	110*85*160cm
Fixture spindle speed	0-90rpm	Machine weight	500kg

GLOBAL ELECTROMECH (M) SDN BHD

*Get In Touch*

WITH

***GLOBAL ELECTROMECH (M) SDN BHD***

**NO 73, JALAN PJ 1, TAMAN PERTAM JAYA,  
PADANG TEMU, 75050, MELAKA**

**+606-286 0601**

**WWW.GLOBALELECTROMECH.COM.MY**

**SALES@GLOBALELECTROMECH.COM.MY**