

# CNC SURFACE GRINDER GT - 1022



*PICTURE AS A ILLUSTRATION ONLY*

1. The horizontal (forward and backward) movement of the worktable is driven by a servo motor and a precision ball screw, ensuring accuracy and precise positioning. It automatically feeds according to the program, enabling automatic operation and rapid forward/reverse functions.
2. The longitudinal (left and right) movement of the worktable uses a V-shaped flat guide rail and is precision carved manually. Hydraulic transmission ensures smooth operation.
3. The grinding head's vertical movement uses a precision ball screw drive and a servo motor drive to guarantee accuracy. Precise positioning enables automatic feed and rapid lifting.
4. It adopts a GSK CNC system, two-axis CNC, which can be freely programmed according to actual processing conditions. A pulse handwheel can be added according to customer needs.
5. The characteristic of this CNC grinding machine is that it achieves three-axis full automation (longitudinal hydraulic drive), reducing the labor intensity of the operator. With three-axis full automation, one worker can operate 3-5 machines simultaneously, greatly reducing labor costs, especially during batch processing, where the benefits are even more significant.
6. The machine uses a standard, semi-enclosed, or fully enclosed casing. The enclosed casing effectively prevents coolant and metal filings from splashing and can be connected to a mist extraction dust removal device.

## TECHNICAL PARAMETER:

Model	Unit	GT-1022
Table size (length×width)	mm	540×250
Max. stroke of worktable (length×width)	mm	560×260
T-slot of worktable (number of slots×width of slot)	mm	1×14
The distance from the center line of the grinding wheel shaft to the table surface	mm	450/300
Special grinding wheel (outer diameter×width×inner diameter)	mm	200×20×31.75
Rotating speed of grinding wheel (r/min)	r/min	2850
Longitudinal (left and right) speed of worktable	m/min	3~25
Transverse (front and rear) speed of worktable	m/min	0.5-15
Automatic feed rate of grinding head up and down	mm	0.005-0.05
Rapid up and down speed of grinding head (approximate value)	m/min	0-6
Spindle motor	kw	1.5
Cooling the motor	w	40
Lifting servo motor	kw	1
Front and rear servo motors	kw	1
Hydraulic motor	kw	1.5
Work pressure	MPa	3
Fuel tank capacity	L	80
Maximum flow	L/min	18
Parallelism of the machined surface to the base surface	mm	300:0.005
Surface roughness	μm	Ra0.32
Net weight/Gross weight	kg	1000/1150
Suction cup specifications(permanent magnet)	mm	500×250
Overall dimensions (length×width×height)	mm	1680×1220×1720
Packing box size (length×width×height)	mm	1630×1290×1940

**ACCESSORIES:**

		
<p>Coolant tank with magnetic separator</p>	<p>Dust absorption</p>	
		
<p>Coolant tank with magnetic separator and paper filter</p>	<p>Digital readout</p>	
		
<p>Parallel wheel dresser</p>	<p>Tool maker vise</p>	
		
<p>Build in electro magnetic chuck controller</p>	<p>Inverter</p>	<p>Diamond pen</p>
		
<p>Border splash protection around the workbench</p>		