

GRU400T



Suitable for 5-axis machining of optical molds, precision molds & die, precision parts and complex hardware.

- + The ability of “0.1 μ Feeding and 1 μ Cutting”, strong anti-vibration performance and less tool wear.
- + Simulate the process by software, to optimize the technical factors and improve the procedure's safety.
- + On-machine measuring and intelligently correcting the errors of position and dimension of the work-piece, promoting the dimension accuracy.
- + Optionally equipped with $\Phi 150$ high-speed synchronous spindle, cutting ability and machining efficiency are significantly improved, and the composite machining capabilities of milling, grinding, drilling, boring and tapping are strengthened.

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Technical Specification

Items		Standard Value		
Position Accuracy (X/Y/Z)	mm	0.002/0.002/0.002		
Position Accuracy (A/C)	sec	8/8		
Repeatability (X/Y/Z)	mm	0.0018/0.0018/0.0018		
Repeatability(A/C)	sec	5/5		
Travel (X/Y/Z)	mm	450/680/400		
A/C Rotation Angle	deg	-120 ~90 /360		
Worktable Size	mm	φ400		
Max. Load	Kg	150		
Spindle Type		JD150S-20-HA50/A	JD150SC-20-HA50	JD130S-24-BT30
Max. Spindle Speed	rpm	20000	20000	24000
Tool Holder Type		HSK50-A	HSK50-A	BT30
Tool Magazine		Chain Type Tool Magazine with Manipulator		
Tool Magazine Capacity		36		
Max. Rapid Rate (X/Y/Z)	m/min	15		
Max. Swivel Rate (A/C)	rpm	60/100		
Max. Feed Rate (X/Y/Z)	m/min	10		
Max. Feed Rate (A/C)	rpm	15/25		
Drive System		AC servo		
Voltage		3-Phase, 380V/50Hz, or Customized		
Air Pressure	MPa	≥ 0.52		
Machine Weight	Kg	10700		

+ Above parameters have been calibrated With reference to International standard ISO230-2.

Standard

- + JD50 Control System
- + Spindle & Rotary Table Refrigerator
- + Chain Type Tool Magazine with Manipulator
- + Direct-drive Double-axis Rotary Table
- + Coolant Tank
- + Contact Tool Calibrator
- + Manual Pulse Generator(MPG)
- + Jingdiao On-machine Measurement System

Optional

- + Oil Mist Separation Device
- + Coolant Chilling System
- + Bag Type Filtration System
- + Probe

Machine Dimension

