

GRA400



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.

GRA400

Technical Specification

Items		Standard Value
Position Accuracy (X/Y/Z)	mm/(in)	0.002/0.002/0.002(0.00008"/ 0.00008"/ 0.00008")
Position Accuracy (A/C)	sec	8/8
Repeatability (X/Y/Z)	mm/(in)	0.0018/ 0.0018/ 0.0018 (0.00007"/ 0.00007"/ 0.00007")
Repeatability (A/C)	sec	5/5
Travel (X/Y/Z)	mm/(in)	450/ 680/ 400 (17.7"/ 26.8"/ 15.7")
A/C Swivel Range	deg	-120 ~90 /360
Table Diameter	mm/(in)	Φ 400 (Φ15.7")
Max. Load	Kg/(lb)	150(330.8)
Max. Spindle Speed	r/min	24,000
Tool Holder Type		BT30
Tool Magazine Capacity		36
Max. Rapid Rate (X/Y/Z)	m/min (in/min)	15(590)
Max. Swivel Rate (A/C)	rpm	30/50
Max. Feed Rate (X/Y/Z)	m/min (in/min)	10(393)
Max.Feed Rate (A/C)	rpm	15/25
Drive System		AC servo
Voltage		3-Phase, 380V/50Hz, or Customized
Air Pressure	MPa (psi)	≥ 0.52 (75.4)
Machine Weight	Kg (lb)	10,000 (22,050)

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

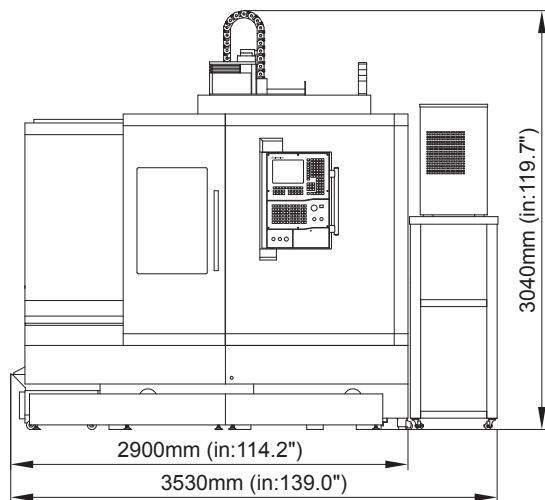
Standard

- + JD50 Control System
- + Spindle & rotary Table Chiller
- + Chain-type Tool Magazine
- + Direct-drive Double-axis Rotary Table
- + Coolant Tank
- + Contact Tool Cailbrator
- + Handwheel
- + Jingdiao On-machine Measurement System

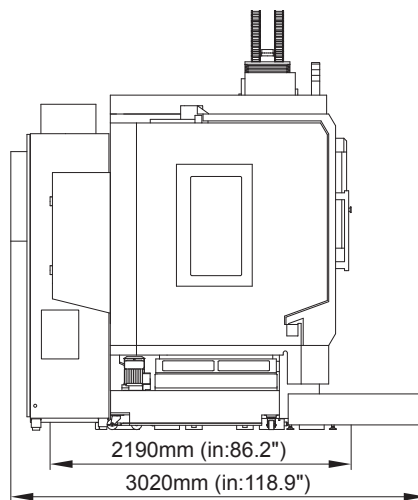
Optional

- + Oil Mist Separator
- + Coolant Chilling System
- + Bag Type Filtration System
- + Probe

Machine Dimension



Front View



Left View