

# GRA200



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

- + The ability of “0.1 $\mu$  Feeding and 1 $\mu$  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.

# GRA200

## 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 (B/C)	sec	8/8
Repeatability (X/Y/Z)	mm/(in)	0.0018/ 0.0018/ 0.0018 (0.00007"/ 0.00007"/ 0.00007")
Repeatability (B/C)	sec	5/5
Travel (X/Y/Z)	mm/(in)	500/ 280/ 300 (19.7"/ 11.0"/ 11.8")
B/C Swivel Range	deg	-120 ~90 /360
Table Diameter	mm/(in)	Φ 260(φ10.2")
Max. Load	Kg/(lb)	30(66.2)
Max. Spindle Speed	r/min	28,000
Tool Holder Type		HSK-E32
Tool Magazine Capacity		36
Max. Rapid Rate (X/Y/Z)	m/min (in/min)	15(590)
Max. Swivel Rate (B/C)	rpm	30/50
Max. Feed Rate (X/Y/Z)	m/min (in/min)	10(393)
Max.Feed Rate (B/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)	5600(12,348)

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

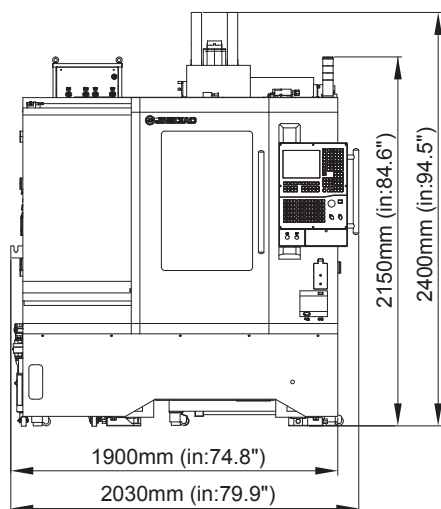
## Standard

- + JD50 Control System
- + Spindle & Rotary Table Refrigerator
- + Chain-type Tool Magazine
- + Coolant Tank
- + Tool-Length Calibrator
- + Handwheel
- + Jingdiao On-machine Measurement System

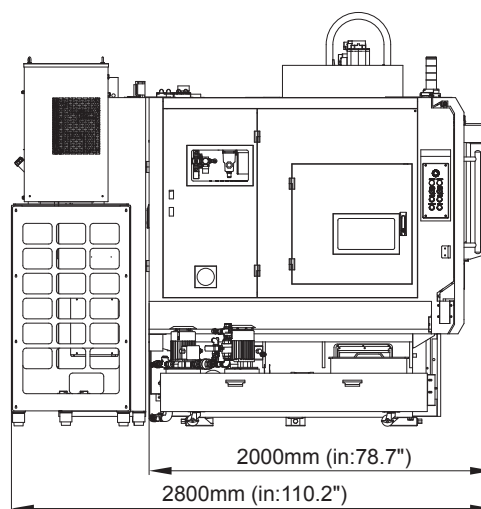
## Optional

- + Probe
- + Dynamic Balance Tool Holder
- + Oil Mist Separator

## Machine Dimension



Front View



Left View