

HGA1200



Full closed-loop control technology, suitable for the machining of precision mold & die and precision parts machining.

- + The ability of “0.1 μ feeding and 1 μ Cutting”, strong anti-vibration performance and less tool wear.
- + Real-time on-machine measurement evaluation and real-time intelligent modification of intermediate machining process.
- + Optionally equipped with laser tool-length calibrator to effectively monitor tool profile, tool wear and spindle thermal elongation.
- + 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/(in)	0.002/ 0.003/ 0.002(0.00008"/ 0.00012"/ 0.00008")
Repeatability (X/Y/Z)	mm/(in)	0.0018/ 0.0025/ 0.0018(0.00007"/ 0.00010"/ 0.00007")
Travel (X/Y/Z)	mm/(in)	1,200/ 800/ 350 (47.2"/ 31.5"/ 13.8")
Worktable Size	mm/(in)	1,250×850 (49.2"×33.5")
Max. Load	Kg/(lb)	1,000 (2,205)
Max. Spindle Speed	r/min	20,000
Tool Holder Type		HSK-A50
Tool Magazine Capacity		32
Max. Rapid Rate (X/Y/Z)	m/min (in/min)	15(590)
Max. Feed Rate (X/Y/Z)	m/min (in/min)	10(393)
Drive System		AC servo
Voltage		3-Phase, 380V/50Hz, or Customized
Air Pressure	MPa (psi)	≥ 0.52 (75.4)
Machine Weight	Kg (lb)	11,000 (24,255)

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

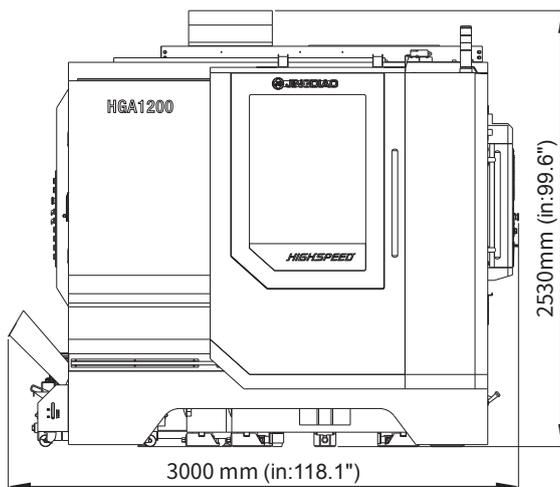
Standard

- + JD50 Control System
- + Full Closed-loop Control With Grating Scale
- + Spindle & Ballscrew Chiller
- + Chain-type Tool Magazine
- + In-machine Chip Conveyor
- + Spiral Chip Conveyed Coolant Tank
- + Contact Tool Calibrator
- + Handwheel
- + Jingdiao On-machine Measurement System

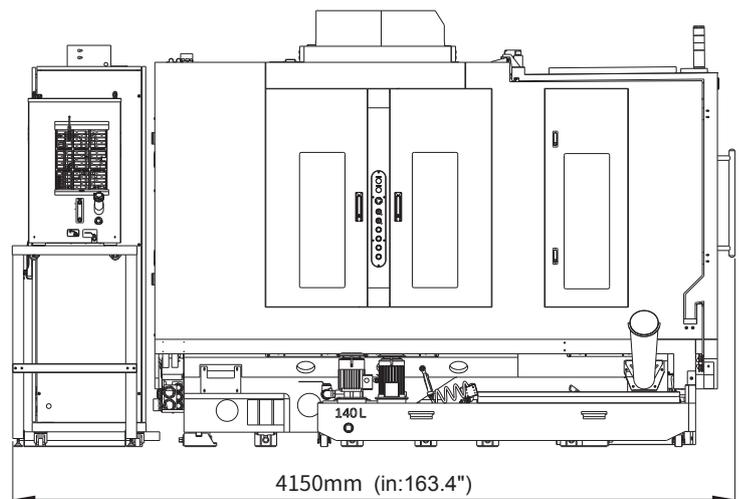
Optional

- + Coolant Chiller
- + Bag Type Filtration System
- + Oil Mist Separator
- + Laser Tool Calibrator
- + Probe

Machine Dimension



Front View



Left View