

# HGA400



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

- + The ability of “0.1 $\mu$  Feeding and 1 $\mu$  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.
- + Jingdiao high-speed and high-precision spindle.

# HGA400

## Technical Specification

Items		Standard Value
Position Accuracy (X/Y/Z)	mm/(in)	0.002/0.002/0.002(0.00008"/ 0.00008"/ 0.00008")
Repeatability (X/Y/Z)	mm/(in)	0.0018/ 0.0018/ 0.0018 (0.00007"/ 0.00007"/ 0.00007")
Travel (X/Y/Z)	mm/(in)	400/400/200 (15.7"/ 15.7"/ 7.9")
Worktable Size	mm/(in)	530×430 (20.9"×16.9")
Max. Load	Kg/(lb)	300 (661.5)
Max. Spindle Speed	r/min	28,000
Tool Holder Type		HSK-E32
Tool Magazine Capacity		20
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)	4,600 (10,143)

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

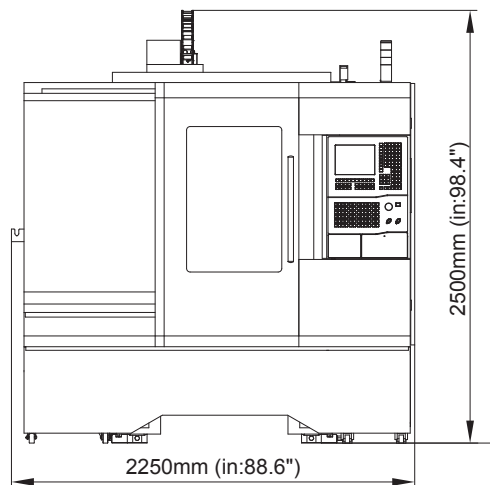
## Standard

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

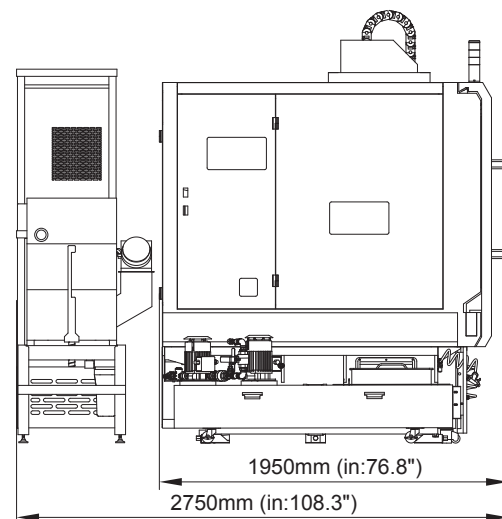
## Optional

- + Umbrella-type Tool Magazine With 16 Positions (Manipulator Type)
- + Coolant Chilling System
- + Bag Type Filtration System
- + Probe
- + Oil Mist Separator
- + Laser Tool Cailbrator

## Machine Dimension



Front View



Left View