

MRA600



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

- + The machine tool is a moving beam gantry structure with a cradle-type two-axis turntable, and the A-axis uses double-drive technology.
- + 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.

MRA600

Technical Specification

Items		Standard Value
Position Accuracy (X/Y/Z)	mm/(in)	0.003/0.003/0.003(0.00012"/0.00012"/0.00012")
Position Accuracy (A/C)	sec	5/5
Repeatability (X/Y/Z)	mm/(in)	0.002/0.002/0.002(0.00008"/0.00008"/0.00008")
Repeatability (A/C)	sec	3/3
Travel (X/Y/Z)	mm/(in)	650/600/500(25.6"/23.6"/19.7")
A/C Swivel Range	deg	-120 ~90 /360
Table Diameter	mm/(in)	Φ630(Φ24.8")
Max. Load	Kg/(lb)	400(882)
Max. Spindle Speed	r/min	20,000
Tool Holder Type		HSK-A50
Tool Magazine Capacity		53
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
Air Pressure	MPa (psi)	≥ 0.52 (75.4)
Machine Weight	Kg (lb)	12,000 (26,460)

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

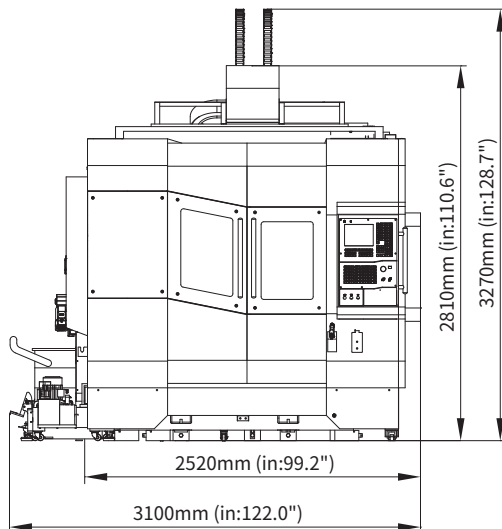
Standard

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

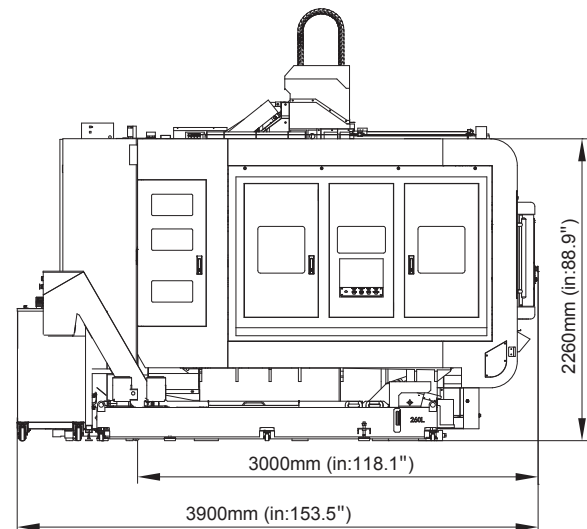
Optional

- + Oil Mist Separator
- + Oil Water Separator
- + Coolant Chilling System
- + Bag Type Filtration System
- + Bag Filter
- + Probe
- + Laser Tool Set
- + Coolant Tank

Machine Dimension



Front View



Left View