

# MRU600



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 $\mu$  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.

# MRU600

## Technical Specification

Items		Standard Value	
Position Accuracy (X/Y/Z)	mm	0.003/0.003/0.003	
Position Accuracy (A/C)	sec	8/8	
Repeatability (X/Y/Z)	mm	0.002/0.002/0.002	
Repeatability(A/C)	sec	5/5	
Travel (X/Y/Z)	mm	650/660/500	
A/C Rotation Angle	deg	-120~90 /360	
Worktable Size	mm	φ630	
Max. Load	Kg	400	
Spindle Type		JD180S-15-HA63/B	JD180SC-15-HA63/B
Max. Spindle Speed	rpm	15000	
Tool Holder Type		HSK-A63	
Tool Magazine		Chain Type Tool Magazine with Manipulator	
Tool Magazine Capacity		51	
Max. Rapid Rate (X/Y/Z)	m/min	15	
Max. Rotation Rate (A/C)	rpm	60/60	
Max. Feed Rate (X/Y/Z)	m/min	10	
Max. Feed Rate (A/C)	rpm	60/60	
Drive System		AC Servo	
Voltage		3-Phase, 380V / 50Hz, or Customized	
Air Pressure	MPa	0.35-0.4	
Machine Weight	Kg	12000	

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

## Standard

- + JD50 Control System
- + Jingdiao On-machine Measurement System
- + Spindle & Rotary Table Refrigerator
- + Chain-type Tool Magazine
- + Direct-drive Double-axis Rotary Table
- + Chip Disposal
- + Contact Tool Calibrator
- + Manual Pulse Generator(MPG)

## Optional

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

## Machine Dimension

