

# JDGR300



Adopting the full closed-loop control technology, it is suitable for 5-axis machining of precision mold, precision parts and complex hardware parts.

- + The machining effect of "0.1  $\mu\text{m}$  feed, 1  $\mu\text{m}$  cutting, nanoscale roughness" can be achieved stably.
- + Using the cooling technology of rotary table, bearing and screw nut and the fully enclosed shield improve the thermal stability of tool machine effectively.
- + With milling, grinding, drilling, boring, tapping and other composite processing capabilities.

# JDGR300

## Technical Specification

Items		Standard Value		
Position Accuracy (X/Y/Z)	mm	0.002/0.002/0.002		
Position Accuracy (A/C)	mm	8/8		
Repeatability (X/Y/Z)	mm	0.0018/ 0.0018/ 0.0018		
Repeatability (A/C)	sec	5/5		
Travel (X/Y/Z)	mm	390/510/300		
A/C Rotation Angle	deg	-110~90/360		
Table Diameter	mm	φ300		
Max. Load	Kg	50		
Spindle Type		JD150S-20-HA50/A	JD150SC-20-HA50/A	JD135S-24-BT30/A
Max. Feed Rate (X/Y/Z)	rpm	20,000	20,000	24,000
Tool Magazine		Chain Type Tool Magazine with Manipulator / Disc Type Tool Magazine with Manipulator		
Tool Magazine Capacity		36/16		
Rapid Speed (X/Y/Z)	m/min	15		
Rapid Rotation Speed (A/C)	rpm	30/50		
Max. Cutting Feed Speed (X/Y/Z)	m/min	10		
Max. Cutting Feed Speed (A/C)	rpm	15/25		
Drive System		AC servo		
Voltage		3-Phase, 380V / 50Hz		
Air Pressure	MPa	≥ 0.52		
Machine Weight	Kg	7400		

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

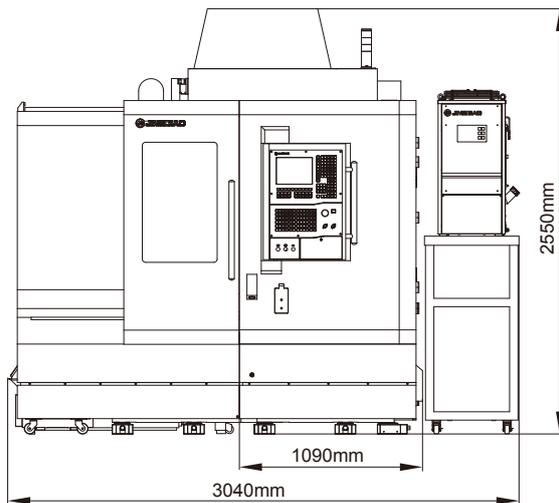
## Standard

- + JD50 Control System
- + Jingdiao CAM Software SurfMill 8.0
- + Spindle & Rotary Table Refrigerator
- + Direct Drive Double-axis Rotary Table
- + Coolant Tank
- + Contact Tool Calibrator
- + Laser Tool Calibrator
- + Manual Pulse Generator(MPG)

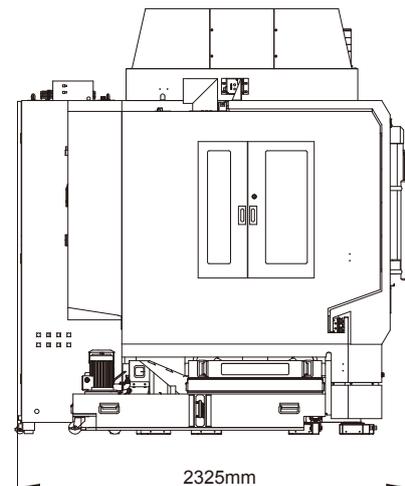
## Optional

- + Cutting Fluid Cooling System
- + Bag Type Filtration System
- + Cutting Fluid Oil-water Separation Device
- + Jingdiao On-machine Measurement System
- + Oil Mist Separation Device
- + Oil Mist Lubrication System
- + Scraper Type Chip Conveyor

## Machine Dimension



Front View



Left View