# JDGR400T

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

+ The ability of "0.1μ Feeding and 1μ 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 Φ150 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.

# JDGR400T

## Technical Specification

| Items | | Standard Value | | |
|---|---|---|---|---|
| Position Accuracy (X/Y/Z) | mm | 0.002/0.002/0.002 | | |
| Position Accuracy (A/C) | sec | 8/8 | | |
| Repeatability (X/Y/Z) | mm | 0.0018/0.0018/0.0018 | | |
| Repeatability(A/C) | sec | 5/5 | | |
| Travel (X/Y/Z) | mm | 450/680/400 | | |
| A/C Rotation Angle | deg | -120 ~90 /360 | | |
| Worktable Size | mm | φ260 | | |
| Max. Load | Kg | 30 | | |
| Spindle Type | | JD150S-20-HA50/A | JD150SC-20-HA50 | JD130S-24-BT30 |
| Max. Spindle Speed | rpm | 20000 | 20000 | 24000 |
| Tool Holder Type | | HSK50-A | HSK50-A | BT30 |
| Tool Magazine | | Chain Type Tool Magazine with Manipulator | | |
| Tool Magazine Capacity | | 36 | | |
| Max. Rapid Rate (X/Y/Z) | m/min | 15 | | |
| Max. Swivel Rate (A/C) | rpm | 60/100 | | |
| Max. Feed Rate (X/Y/Z) | m/min | 10 | | |
| Max.Feed Rate (A/C) | rpm | 15/25 | | |
| Drive System | | AC servo | | |
| Voltage | | 3-Phase, 380V/50Hz, or Customized | | |
| Air Pressure | MPa | ≥ 0.52 | | |
| Machine Weight | Kg | 10700 | | |

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

## Standard

+ JD50 Control System
+ Spindle & Rotary Table Refrigerator
+ Chain Type Tool Magazine with Manipulator
+ Direct-drive Double-axis Rotary Table
+ Coolant Tank
+ Contact Tool Cailbrator
+ Manual Pulse Generator(MPG)
+ Jingdiao On-machine Measurement System

## Optional

+ Oil Mist Separation Device
+ Coolant Chilling System
+ Bag Type Filtration System
+ Probe

## Machine Dimension



Front View

2840mm

3080mm

Left View

2530mm



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The machine pictures are for reference only.
The parameters are subject to change without notice.