

MAKINO brand Horizontal Machining Center
Model: a81-5XR YOM: 2015
Controller : Professional 5 (FANUC 310is)
ATC186 BBT50 10,000rpm

《SPECIFICATIONS》

Table Size: 630 × 630 mm (2 pallets) Index. Accuracy: 0.0001°
Workpiece Weight: 1,200 kg / per pallet
Maximum Workpiece Size (Diameter × Height): 1,000 × 1,300 mm
Distance from Pallet Top Surface to Spindle Center: 80~800 mm
Distance from Pallet Center to Spindle Nose: 50~1070 mm
Distance from Spindle Center to Column Front: 1,050 mm
Travel X: 900 Y: 800 Z: 1,020 mm C: 360°
B: One side 360° / One side 210° (-60° ~+150°)
Spindle Taper: BBT50 (BIGプラス)
Spindle Speed: 20~10,000 rpm
ATC Capacity: 186 tools

Required Floor Space: 4,511 × 6,830 mm (including ATC)
Machine Height: 3,342 mm
Machine Weight: 16,000 kg

《OPTIONS》

Vertical NC rotary table specification (C-axis), single pallet
Matsumoto MDVi503 0500 T-slot pallet
Simultaneous axes: 4 + 1 additional axis
Moiré scale X / Y / Z (0.1 μm)
B-axis: NC rotary table (0.0001° encoder)
C-axis: Rotary work table (inductosyn scale)
Internal center trough conveyor (hinged type)
Rear-discharge two-stage chip conveyor BDW1030
Oil skimmer (for water-soluble coolant, belt type)
Through-spindle coolant (7 MPa) and air (standard)
Cutting temperature controller
Air blow unit
Mist collector
Automatic tool length measurement device (special specification)
Automatic workpiece measurement system (Marposs)
Pallet seating confirmation function
Program memory capacity: 1,280 m
Registered program capacity: 1,000 programs
Tool offset memory type C
Coordinate rotation
Additional custom macro common variables: total 600
Super G1.4 control (for 5XR) (X, Y, Z, B, C axes)
Tool tip point control
High-speed Smooth TCP
Workpiece setting function
Workpiece setting function