

» HORIZONTAL
MACHINING CENTERS
MH-630



VIDEO

Specifications

ITEM	MH-630
Capacity	Dimensions 630 × 630 (24.8 × 24.8)
Bolt hole	M16 × 2
Max. loading capacity	1200 kg (Uniform distribution) (2640 lbs)
B minimum indexing (degree)	STD: 1°; OPT: 0.001°
Index repeatability	± 4"
Pallet capacity	2
Travel Range	Max. travel range of X/Y/Z-axis 2000 / 800 / 750 (39.4 / 31.5 / 29.5)
Distance from spindle nose to center	200-350 (7.9-13.7)
Distance from spindle center to table surface	10-350 (2.0-13.7)
Spindle	Spindle taper ISO No. 50
Spindle nose outer diameter	Ø100 (Ø 3.9)
Spindle speed	45-4500 rpm (3-step gear)
Feedrate	Cutting feedrate of X/Y/Z-axis 5000 mm /min (0.04-197 ipm)
Rapid traverse speed of X/Y/Z-axis	20 / 7-min (787 ipm)
Minimum setting unit of X/Y/Z-axis	0.001
Feedback element	Optical scale
Tool	Tool capacity STD: 60 pcs; OPT: 80 pcs
Tool selection	Shortest path
Max. adjacent tool diameter	10-140 (4-15)
Max. tool weight	20 kg (44 lbs)
Tool shank type	BT50. CAT50.
Drive Motor	Spindle motor 15/18.5 kW (20 / 24.8 HP)
Servo motor of X/Y/Z/B-axis	4 / 7 / 1.6 kW (5.4 / 5.4 / 9.4 / 2.1 HP)
Spindle recirculating lubrication motor	370 W
Centralized lubrication system	12 W
Hydraulic motor	5.5 kW (7.4 HP)
Coolant motor (for tools/chips)	1.5 kW
Chip conveyor motor	0.1 kW × 2 (1/8HP × 2)
ATC motor	2.2 kW
Chain type chip conveyor	Hydraulic

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Accuracy	Positioning	±0.004
Repeatability	±0.003	
Miscellaneous	T-T (sec)	8
P-P (sec) pallet to pallet	18	
Outline dimensions (W × H × D)	6238 × 2950 × 2950 (246 × 116 × 116)	
Packing size (W × H × D)	7080 × 3365 × 3530 (287 × 132 × 139)	
Net weight (approx.) w/80-tool	3200 / 3250 kg (37840 / 7150 lbs)	
Gross weight (approx.) w/80-tool	30700 / 3550 kg (47740 / 7810 lbs)	

*Specifications are subject to change without prior notice.

Standard Accessories

- FANUC iDNC Control
- Rotary Table 0.001 Degree (MH-630/800), 0.001 Degree (MH-500)
- Spindle Speed 4500 rpm (MH-630/800), 10000 rpm (MH-500)
- Spindle Motor
- Spindle Lubrication Coolant Full System
- Automatic Lubrication System
- Coolant System
- Work Lamp
- X,Y,Z-axis Optical Scales (MH-630/800), Options for MH-500
- Leveling Bolts and Pads
- Operator's Manual
- Tool Kit
- Maintenance Manual
- 60-Tool Magazine Capacity with 60 pcs Retention Knobs
- Programming Manual
- (MH-630/800), 40-tool ATC (MH-500)

Options Accessories

- 80-Tool Magazine Capacity with 80 pcs Retention Knobs

- Rotary Table 0.001 Degree (B axis)

(MH-630/800);60-tool ATC (MH-500)

- Automatic Tool Length Measurement

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- FANUC 18i-MB, Mitsubishi, Siemens, Heidenhain

- Automatic Workpiece Measurement

- Oil Hole Tool Holder

- Scraper Type Chip Conveyor

- Rigid tapping

- Pallet wash