

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	1000 / 800 / 750 (39.4 / 31.5 / 29.5)
Distance from spindle nose to table center	200-950 (7.9-37.4)	
Distance from spindle center to table surface	50-850 (2.0-33.5)	
Spindle	Spindle taper	ISO No. 50
Spindle nose outer diameter	Ø 100 (Ø 3.9)	
Spindle speed	45-4500 rpm (3-step gear)	
Feedrate	Cutting feedrate of X/Y/Z-axis	1-5000 mm /min (0.04-197 ipm)
Rapid traverse speed of X/Y/Z-axis	20 m/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 / length	Ø 140 × 450	Max. tool diameter Ø 230
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 / 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)	0.75 / 1.5 kW	
Chip conveyor motor	0.1 kW × 2 (1/8HP × 2)	
ATC motor	2.2 kW	
Chain type chip conveyor + Chip bucket	Hydraulic	

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 × 2350 × 2950	(246 × 116 × 116)
Packing size (W × H × D)	7380 × 3365 × 3530	(287 × 132 × 139)
Net weight (approx.) w/80-tool	17200 / 3250 kg	(37840 / 7150 lbs)
Gross weight (approx.) w/80-tool	21700 / 3550 kg	(47740 / 7810 lbs)

*Specifications are subject to change without prior notice.

Standard Accessories

- FANUC 0i-MD controller
- Indexing Table 1° Degree (MH-630/800), 0.001 Degree (MH-500)
- Spindle Speed 15000 rpm (MH-630/800), 10000 rpm (MH-500)
- Spindle Motor
- Chip Conveyor + Chip Bucket
- Spindle Lubrication Coolant System
- Full Enclosed Splash Guard
- Automatic Lubrication System
- 2 Pallets
- 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 (MH-630/800), 40-tool ATC (MH-500)
- Programming Manual
- Parts List

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

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

• Automatic Workpiece Measurement

• Oil Hole Tool Holder

• Scraper Type Chip Conveyor

• Rigid tapping

• Pallet wash