



## Specifications

Unit: mm (inch)

ITEM	MH-800	
Pallet	Dimensions	800 × 800 (31.5 × 31.5)
	Bolt hole	M16 × 2
	Max. loading capacity	1200 kg (Uniform distribution) (26400 lbs)
	B minimum indexing (degree)	STD:1°; OPT: 0.001°
	Index repeatability	± 4"
Travel Range	Pallet capacity	2
	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)
Spindle	Distance from spindle center to table surface	50-850 (2.0-33.5)
	Spindle taper	ISO No. 50
	Spindle nose outer diameter	Ø 100 (Ø3.9)
Feedrate	Spindle speed	45-4500 rpm (3-step gear)
	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
Tool	Feedback element	Optical scale
	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 )
Drive Motor	Tool shank type	BT50. CAT50.
	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)
Accuracy	ATC motor	2.2 kW
	Chain type chip conveyor + Chip bucket	Hydraulic
Miscellaneous	Positioning	± 0.004
	Repeatability	± 0.003
Miscellaneous	T-T (sec)	8
	P-P (sec) pallet to pallet	18
	Outline dimensions (W × H × D) w/80-tool	6788 × 2950 × 2950 (267 × 116 × 116)
	Packing size (W × H × D) w/80-tool	7820 × 3360 × 3550 (308 × 132 × 140)
	Net weight (approx.) w/80-tool	19410 / 3250 kg (42702 / 7150 lbs)
	Gross weight (approx.) w/80-tool	23920 / 3550 kg (52624 / 7810 lbs)

\*Specifications are subject to change without prior notice.