

MA-HII Series



	ITEM	UNIT	MA-500HB	MA-500HA*	MA-600HB	MA-600HA*
TRAVELS	X axis (carrier horizontal)	mm (in.)	700 (27.56)		1,000 (39.37)	
	Y axis (spindlehead vertical)	mm (in.)	900 (35.43)			
	Z axis (table back/front)	mm (in.)	780 (30.71)		1,000 (39.37)	
	Spindle center to pallet top	mm (in.)	50 ~ 950 [20 -920] (1.97 ~ 37.40 [0.59 ~ 36.02])			
	Spindle nose to pallet center	mm (in.)	70 ~ 850 (2.76 ~ 33.46)		70 ~ 1,070 (2.76 ~ 42.13)	
PALLET	Work area	mm (in.)	500 x 500 (19.69 x 19.69)		630 x 630 (24.80 x 24.80)	
	Indexing angle	mm (in.)	1 <Opt: 0.001>			
	Max workplace dimensions	degrees	ø800 x 1,000 [970] (ø31.50 x 39.37 [2,090])		ø1,000 x 1,000 [970] (ø39.37 x 39.37 [38.19])	
	Max load capacity	mm (in.)	800 [750] <1,000 [950]> (1,760 [1,650] <2,200 [2,090]>)		1,200 [1,130] <1,400 [1,330]> (2,640 [2,488] <3,080 [2,926]>)	
SPINDLE	Spindle speed	min ⁻¹	50 ~ 6,000 <50 ~ 12,000>	50 ~ 15,000 50 ~ 20,000	50 ~ 6,000 <50 ~ 12,000>	50 ~ 15,000 50 ~ 20,000
	Tapered bore		7/24 taper No. 40	No. 40 HSK-A63	7/24 taper No. 50	No. 40 HSK-A63
	Bearing dia	mm (in.)	ø100 <ø100> (ø3.94 <ø3.94>)	ø70,ø70, (ø2,76, ø2,76)	ø100 <ø100> (ø3.94 <ø3.94>)	ø70,ø70, (ø2,76, ø2,76)
FEEDRATE	Rapid traverse (X-Y-Z)	m/min	60,000 (2,362)			
	Cutting federate (X-Y-Z)	mm/min	1 ~ 60,000 (0.04 ~ 2,362)			
MOTORS	Spindle drive (10 min/cont.)	kW (hp)	30/22 <37/26> (40/30 <50/35>)	26/18.5 (30/25) 30/22 (40/30)	30/22 <37/26> (40/30 <50/35>)	26/18.5 (30/25) 30/22 (40/30)
	Feed axes (X-Y-Z)	kW (hp)	5.6/4.6 x 2/5.6 (7.6/6.3 x 2.7/7.6)		5.6/4.6 x 2/5.1 (7.6/6.3 x 2.7/6.9)	
	Table drive motor	kW (hp)	3.5 (4.8)			
ATC	Tool shank type		MAS403 BT50	BT40, HSK-A63	MAS403 BT50	BT40, HSK-A63
	Pull stud		MAS 2	-	MAS 2	-
	Magazine capacity	tools	40 <Opt: 60, 100, 150, 200, 240, 320, 400>			
	Max tool dia (w/ adjacent tool)	mm (in.)	ø140 (ø5.51)	ø100 (ø3.94)	ø140 (ø5.51)	ø100 (ø3.94)
	Max tool dia (w/o adjacent tool)	mm (in.)	ø240 (ø9.45)	ø150 (ø5.91)	ø240 (ø9.45)	ø150 (ø5.91)
	Max tool length	mm (in.)	450 (17.72)	300 (11.81)	450 <600> (17.72 <23.62>)	300 (11.81)
	Max tool weight	kg (lb)	25 (55)	10 (22)	25 (55)	10 (22)
Tool selection		Memory random (Fixed with 100 or more tools)				
SIZE	Height	mm (in.)	3,282 (129.21)		3,225 (126.97)	
	Floor space (W x D)	mm (in.)	3,110 x 5,971 (122.44 x 235.08)		3,410 x 6,495 (134.25 x 255.71)	
	Weight	kg (lb)	22,800 (50,160)		24,500 (53,900)	

*No. 40, HSK-A63 spindle for 500HA and 600HA models

< >: Optional

[]: T-slot spec (optional)