

MB-H Series



		ITEM	UNIT	MB-4000H	MB-5000H	MB-8000H	MB-10000H
TRAVELS	X axis (column left/right)	mm (in.)		560 (22.05)	760 (29.92)	1,300 (51.18)	1,400 (55.12)
	Y axis (spindle up/down)	mm (in.)		560 (22.05)	760 (29.92)	1,100 (43.31)	1,250 (49.21)
	Z axis (table back/front)	mm (in.)		625 (24.61)	760 (29.92)	1,250 (49.21)	
	Spindle center to pallet top	mm (in.)		50 ~ 610 (1.97 ~ 24.02)	50 ~ 810 (1.97 ~ 31.89)	50 ~ 1,150 (1.97 ~ 45.28)	-20 ~ 1,230 (-0.79 ~ 48.43)
	Spindle nose to pallet center	mm (in.)		85 ~ 710 (3.35 ~ 27.95)	135 ~ 895 (5.31 ~ 35.23)	100 ~ 1,350 (3.94 ~ 53.15)	
PALLET	Pallet size	mm (in.)		400 x 400 (15.75 x 15.75)	500 x 500 (19.69 x 19.69)	800 x 800 (31.50 x 31.50)	1,000 x 1,000 (39.37 x 39.37)
	Max load	kg (lb)		400 (880)	500 (1,100)	2,000 (4,400) [2,500 (5,500)]	2,000 (4,400)
	Indexing angle	mm (in.)		0.001	1 [0.001]	1 [0.001]	
	Max workplace diameter	kg (lb)		ø600 x 900 (ø23.62 x 35.43)	ø800 x 1,000 (ø31.5 x 39.37)	ø1,300 x 1,450 (ø51.18 x 57.09)	ø1,400 x 1,450 (ø55.12 x 57.09)
SPINDLE	Spindle speed	min ⁻¹		50 ~ 15,000 [50 ~ 20,000]		50 ~ 6,000 [12,000, 6,000 high power]	50 ~ 6,000 [50 ~ 12,000]
	Tapered bore			7/24 taper No. 40 [HSK-A63]		7/24 Taper No. 50 [HSK-A100]	
	Bearing dia	mm (in.)		ø70 [ø70] (ø2.76 [ø2.76])		ø100, [ø100, ø100] (ø3.94 [ø3.94, ø3.94])	ø100, [ø100] (ø3.94 [ø3.94])
FEEDRATE	Rapid traverse (X-Y-Z)	m/min		60 (2,362)		X-Y-Z: 50 (1,969)	
	Cutting federate (X-Y-Z)	mm/min		60,000 (2,362)		50,000 (1,969)	
MOTORS	Spindle drive (10 min/cont.)	kW (hp)		26/18.5 (30/22) [30/22 (40/30)]		30/22 [37/26, 4/37 (20 min/cont)] (40/30 [50/35, 60/50])	30/22 [37/26]
	Feed axes	kW (hp)		X: 4.6 (6.13) Y-Z* 3.5 (4.67)	X-Y-Z: 4.6 (6.13)	X: 5.1 (6.8), Y: 3.5 x 3 (4.7 x 2), Z: 5.1 (6.8)	X-Y-Z: 4.6 x 2 (6.1 x 2)
	Table indexing	kW (hp)		3.0 (4.0)		4.6 (6.1)	
ATC	Tool shank type			MAS403 BT40 <HSK-A63>		MAS403 BT50 [HSK-A100]	
	Pull stud			MAS 2 [-]		MAS 2 [-]	
	Magazine capacity	tools		48 [63, 110~218]		40 [60,81 ~ 285, 320, 400]	40 [60, 100 ~ 400]
	Max tool dia (w/ adjacent tool)	mm (in.)		ø70 (ø2.76)		ø140 (ø5.51)	
	Max tool dia (w/o adjacent tool)	mm (in.)		ø150*1 (ø5.91)		ø240 (ø9.45) [ø315 (ø12.40)]	ø240 (ø9.45)
	Max tool length	mm (in.)		300 [400] (11.81 [15.75])	300 [450] (11.81 [17.72])	600 (23.62) [700 (27.56)]	600 (23.62)
	Max tool weight	kg (lb)		10 (22)		25 (55) [30 (66)]	25 (55)
	Tool selection			Memory random*2		Memory random*3	Memory random*4
SIZE	Height	mm (in.)		2,697 (106.18)	2,879 (113.35)	3,464 (136.38)	3,460 (136.22)
	Floor space (W x D)	mm (in.)		2,420 x 4,700 (95.28 x 185.04)	2,695 x 4,725 (106.1 x 186.02)	3,960 x 7,470 (155.91 x 294.09)	4,545 x 6,464 (178.94 x 254.53)
	Weight	kg (lb)		9,500 (20,900)	11,500 (25,300)	26,500 (58,300)	29,800 (65,560)
CNC	OSP-P300M						

*1. Max tool size 2 pots away can not exceed ø135 mm (ø5.32 in.)

*2. Fixed address for 110 or more tools

*3. Fixed address for 81 or more tools

*4. Fixed address for 100 or more tools

[]: Optional