

			MB-5000HII	
	Item	Unit	No.40	No.50*1
Travels	X axis (Left/right column)	mm (in.)	760 (29.92)	
	Y axis (spindle up/down)	mm (in.)	760 (29.92)	
	Z axis (table front/back)	mm (in.)	810 (31.89)	
	Spindle center to pallet top	mm (in.)	50 to 810 (1.97 to 31.89)	
	Spindle nose to pallet center	mm (in.)	100 to 910 (3.94 to 35.82)	
Pallet	Pallet size	mm (in.)	500 × 500 (19.69 × 19.69)	
	Max load	kg (lb)	500 (1,100)	
	Indexing angle	deg	1 [0.001]	
	Max workpiece dimensions	mm (in.)	ø800 × 1,000 (31.5 × 39.37)	
Spindle	Spindle speed	min ⁻¹	15,000 [12,000, 20,000]	12,000
	Tapered bore		7/24 taper No. 40 [HSK-A63]	7/24 taper No. 50 HSK-A100
	Bearing dia	mm (in.)	ø70 [ø90, ø70]	ø90
Feedrate	Rapid traverse	m/min (fpm)	X, Y, Z: 60 (196.86)	
	Cutting feedrate	mm/min (ipm)	X, Y, Z: 1 to 60,000 (2362.2)	
Motors	Spindle (10 min/cont)	kW (hp)	26/18.5 (34.7/24.7) [33/26, 30/22 (44/34.7, 4.0/29.3)]	33/26 (44/34.7)
	Feed axes	kW (hp)	X, Y, Z: 5.2 (6.9)	
	Table indexing	kW (hp)	3.0 (4.0) [3.5 (4.7)]	
ATC	Tool shank		MAS403 BT40 [HSK-A63]	MAS403 BT50 HSK-A100
	Pull stud		MAS 2	
	Magazine capacity	tools	48 [64, 100, 140, 180, 220, 260, 300, 340]	40, 60, 80, 90, 120, 150, 180, 210, 240
	Max tool dia (w/ adjacent)	mm (in.)	ø90 (ø3.54)	ø100 (ø3.94)
	Max tool dia (w/o adjacent)	mm (in.)	ø170 (ø6.69)	
	Max tool length	mm (in.)	510 (20.08)	
	Max tool weight	kg (lb)	12 (26.4)	15 (33)
	Tool selection		Memory random*2	
Machine Size	Height	mm (in.)	2,893 (113.9)	
	Floor space; width × depth (RDF specs)*3	mm (in.)	2,540 × 5,620 (100 × 221.26)	2,900 × 5,620 (114.17 × 221.26)
	Weight	kg (lb)	13,700 (30,140)	14,000 (30,800)
Controller			OSP-P300MA	

*1. No.50 spindle is optional *2. Fixed address for 80 or more tools *3. With RDF drum filter lift-up chip conveyor

[]: Optional