

Specification	Unit	MDH40P	MDH50PS	MDH50	MDH50A	MDH65S	MDH65	MDH65A	MDH80S	MDH80	MDH80A	MDH100S	MDH125
Table													
Worktable size (L*W)	mm	400×400	500×500	500×500	500×500	630×630	630×630	630×630	800×800	800×800	800×800	1000×1000	1250×1250
No. of Pallet		2		2	Single table	2	2	Single table	2	2	Single table	2	2
Table type		IT OP:BRT		IT OP:BRT		IT OP:BRT			IT OP:BRT			IT OP:BRT	
Table indexing		IT (1°×360°) BRT (0.001°×360°)		IT (1°×360°) BRT (0.001°×360°)		IT (1°×360°) BRT (0.001°×360°)			IT (1°×360°) BRT (0.001°×360°)			IT (1°×360°) BRT (0.001°×360°)	
Table indexing time	S	1.9(90°)		1.7(90°)		1.7(90°)			4.5(90°)			5(90°)	
Pallet changing time	S	5		6	—	6	12	—	12	12.5	—	12.5	35
Max. table load	Kg	400		800		1300			2000			3000	
Travel													
X/Y/Z-axis travel	mm	630/620/710		780/750/800		1050/900/900		1050/900/800	1400/1100/1050		1400/1100/1000	1700/1400/1240	
X/Y/Z Axis guide way type		Linear roller guideway		Linear roller guideway		Linear roller guideway			Linear roller guideway			Linear roller guideway	
Distance from table surface to spindle center	mm	80~700		80~830		80~980			80~1180			70~1470	
Distance from spindle nose to table	mm	150~860		150~950		200~1100		300~1100	200~1250		250~1250	360~1600	
Feedrate													
Rapid traverse of X/Y/Z axis	m/min	60		54		54			45			45	
Cutting feed rate		1~20000		1~20000		1~20000			1~20000			1~20000	
Spindle													
Spindle taper		No.40 (7:24)		No.50 (7:24)		No.50 (7:24)			No.50 (7:24)			No.50 (7:24)	
Max spindle speed	rpm	10000(Direct-Drive) Opt:12000(Direct-Drive)		8000(Motor Spindle) Opt:12000(Motor Spindle) Opt:6000(Gear box)		8000(Motor Spindle) Opt:12000(Motor Spindle) Opt:6000(Gear box)			8000(Motor Spindle) Opt:12000(Motor Spindle) Opt:4000(Gear box) Opt:4000(Gear box)			6000(Motor Spindle) Opt:8000、12000 (Motor Spindle) Opt:6000(Gear box)	
Spindle motor power (Continuous/30 min)	kW	10000rpm:7.5/11 12000rpm:7.5/11		8000rpm:18.5/22 12000rpm:25/30 6000rpm:22/26		8000rpm:18.5/22 12000rpm:25/30 6000rpm:22/26			8000rpm:25/30 12000rpm:25/30 4000rpm:22/26 4000rpm:30/37			6000rpm:37/55 8000rpm:25/30 12000rpm:25/30 6000rpm:22/26	
ATC													
Tool magazine capacity	T	40		40		40			40			40	
Tool shank type		BT40		BT50		BT50			BT50			BT50	
Max. tool length	mm	350		500		500			500			500	
Max. tool weight	Kg	8		25		25			25			25	
Max. tool diameter (w/o adjacent tools)	mm	Φ82(Φ150)		Φ115(Φ270)		Φ115(Φ270)			Φ115(Φ270)			Φ115(Φ270)	
Tool changing time(T-T)	s	1.2		2		2			2.5			2.5	
Accuracy													
X/Y/Z axis positioning accuracy	mm	0.008		0.008		0.010			0.010			X:0.015 Y:0.012 Z:0.012	
X/Y/Z axis repeatability accuracy	mm	0.005		0.005		0.006			0.006			X:0.007 Y:0.007 Z:0.007	
CNC controller													
CNC controller		FANUC 31i		FANUC 31i		FANUC 31i			FANUC 31i			FANUC 31i	
General													
Machine dimensions(L×W×H)	mm	5952×2522×2771	5952×2522×2771	4891×3200×3125	4190×3200×3125	4891×3200×3125	5145×3342×3355	5100×3342×3355	5145×3342×3355	6153×3717×3827	5393×3682×3827	6153×3717×3827	8075×6087×3702
Machine weight	Kg	8000	8000	15000	14000	15000	18000	16500	18000	24000	21000	24500	32500