



## Horizontal Machining Center



DMTG WECHAT



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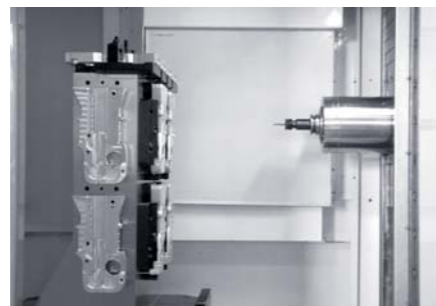
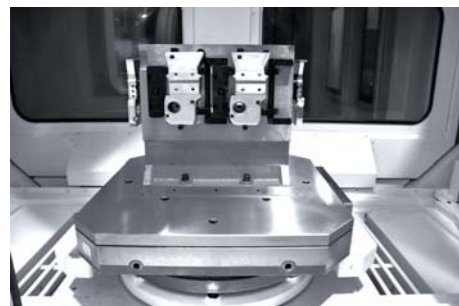
MDH Series

**DALIAN MACHINE TOOL GROUP CORPORATION**

[www.dmtg.com](http://www.dmtg.com)

# MDH Series

*High precision, high rigidity, high efficiency*



Item	Unit	MDH40P	MDH50	MDH65	MDH80	MDH125
Table size (L×W)	mm	400×400	500×500	630×630	800×800	1250×1250
No. of Pallet changer		2	2	2	2	2
Table indexing		1° ×360	1° ×360	1° ×360	1° ×360	1° ×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	12	12.5	35
Max. table load(Evenly spaced weight)	Kg	400	800	1300	2000	3000
X/Y/Z-axis travel	mm	630/620/710	780/750/800	1050/900/900	1400/1100/1050	1700/1400/1240
Distance from Table top surface to spindle center	mm	80-700	80-830	80-980	80-1180	70-1470
Distance from Table center to spindle nose	mm	150 ~ 860	150-950	200 ~ 1100	200 ~ 1250	360 ~ 1600
Spindle inner taper		7/24 No.40	7/24 No.50	7/24 No.50	7/24 No.50	7/24 No.50
Max spindle speed	rpm	10000 OP:12000 (Directly-coupled)	8000 OP:12000 (Motor Spindle) OP:6000(Gear)	8000 OP:12000 (Motor Spindle) OP:6000(Gear)	8000 OP:12000 (Motor Spindle) OP:4000(Gear)	6000 (Motor Spindle) OP:6000(Gear)
Spindle motor power (Continuous/30 min)	Kw	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:30/37 4000rpm:22/26	Motor Spindle:22/25 Gear:22/26
X/Y/Z-axis rapid traverse	m/min	60	45	45(OP:54)	36(OP:45)	45
No.s of tool s in automatic tools changer		40 (OP:60/80/120)	40 (OP:60/80/120/160)	40 (OP:60/80/120/160)	40 (OP:60/80/120/160)	40 (OP:60/80/120)
Shank type		JIS B 6339 BT40	BT50	BT50	BT50	BT50
Maximum tool length	mm	350	500	500	500	500
Maximum tool weight	Kg	8	25	25	25	25
Maximum tool diameter	mm	Φ82 (adjacent empty:Φ150)	Φ115 (adjacent empty: Φ270)	Φ115 (adjacent empty:Φ270)	Φ115 (adjacent empty:Φ270)	Φ115 (adjacent empty:Φ270)
Tool changing time(T-T)(C-C)	s	1.2/3.4	2 /4.2	2/4.2	2.5/6	2.5/6.2
Positioning accuracy ( ISO )	mm	0.014	0.014	0.018	X:0.021 Y、Z:0.018	X、Y:0.021 Z:0.018
Repeatability ( ISO )	mm	0.006	0.006	0.007	X:0.009 Y、Z:0.007	X、Y:0.009 Z:0.007
Control		FANUC 31i MB	FANUC 31i MB	FANUC 31i MB	FANUC 31i MB	FANUC 31i MB
Floor space required	mm	2495×5855	3200×4850	3420×5450	3682×6375	6200×8700
Machine weight	Kg	8000	15000	18000	24500	32500

☆ : Persist with the policy of continual product improvement, we reserve the right to amend the specifications in this catalog without prior notice.

#### Standard configurations

- Spindle with two speed shift
- Hollow-center ball screw coolant system
- Automatic Tools Changer
- Spiral type chip conveyor (double-side mounted)
- Double Pallet exchanging system
- Auto lubrication system (spindle)
- Rigid tapping
- Heat exchanger for electric cabinet
- Spindle coolant unit
- Fully-contained enclosure
- RS-232 data transfer system

#### Optional configurations

- Programmable rotary table
- Workpiece spray cooling
- High-pressure cooling unit ( 2Mpa、7Mpa )
- Through-spindle coolant unit
- Thermal stabilizer for electrical cabinet
- Lift-up chip conveyor
- Glass scale
- M30 power-off device