

Model		HMC-500(#40)	HMC-500(#50)
X-axis Travel	mm	720	720
Y-axis Travel	mm	650	650
Z-axis Travel	mm	650	650
Distance from spindle center to table surface	mm	100-750	100-750
Distance from spindle nose to table center	mm	150-800	150-800
Table Dimension	mm	500x500	500x500
Number of table		2	2
Loading capability	kgs	800 (Uniform load)	800 (Uniform load)
Working dimension (diameter/ height)	mm	Ø700/800	Ø700/800
Table(Pallet) top surface configuration		24-M16	24-M16
Minimum index division of table (pallet)	degree	0.001° (*1°)	0.001° (*1°)
Table (Pallet) indexing time (0~90°)	sec	2.5	2.5
Spindle speed	rpm	10,000 Direct-driven (*15,000 Built-in)	6,000 Direct-driven (*10,000 Built-in)
Number of spindle speed change steps		2 steps (MS)	2 steps (MS)
Spindle main bearing bore diameter	mm	Ø70	Ø100
Rapid travel rate (X,Y, Z)	m/min	24 (*48)	24 (*48)
Cutting speed rate(X,Y, Z)	m/min	10	10
Spindle Nose		No.40 7/24 taper	No.50 7/24 taper
Type of tool shank		BT-40/CAT-40	BT-50/CAT-50
Magazine capacity		40 (*60,*90,*120)	40 (*60,*90,*120)
Max. tool diameter	mm	Ø95	Ø125
Max. tool diameter (without adjacent tools)	mm	Ø190	Ø250
Max. tool length	mm	350	400
Max. tool weight	kg	8	20
Tool selection method		Shortest distance, absolutely method	Shortest distance, absolutely method
Tool change time (tool to tool)	sec	2.4 (*1.6)	3 (*1.8)
Tool change time (chip to chip)	sec	6 (*3.5)	8 (*4.0)
Pallet change method		Direct turn method	Direct turn method
Pallet change time (APC only)	sec	11 (*6)	11 (*6)
Spindle motor (30min/continuous)	kW	(10,000 rpm) 11/15	(6,000 rpm) 15/18.5
	kW	(*15,000 rpm) 18.5/22	(*10,000 rpm) 25/30
Feed motor (X)	kW	7.0	7.0
Feed motor (Y)	kW	6.0	6.0
Feed motor (Z)	kW	4.0	4.0
Feed motor (B)	kW	4.0	4.0
Hydraulic pump motor	kW	3.75	3.75
Motor for spindle feed system oil cooler(compression/discharge)	kW	2.3/0.75	2.3/0.75
Coolant pump motor	kW	0.2x1, 0.4x2	0.2x1, 0.4x2
Power supply AC200V / 220V	kVA	40 (*50)	45 (*55)
Compressed air supply	MPa./min	0.4~0.6, 500	0.4~0.6, 500
Hydraulic unit tank capacity	l	120	120
Spindle feed system cooling oil tank capacity	l	36	36
Coolant tank capacity	l	370	370
Controller model	ST.	Fanuc OiC, Mitsubishi M64	Fanuc OiC, Mitsubishi M64
	OP.	Fanuc 18iM, Mitsubishi M65	Fanuc 18iM, Mitsubishi M65
Floor area	mm ²	4,035x6,385	4,035x6,385
Machine height	mm	3,105	3,105
Machine net weight	kg	13,000	13,000

(*Option) The above specifications are subject to change without notice.