

因為專注 所以獨步
EXCELLENCE THROUGH EXPERTISE



H4030/H4040/H4040P HM4040/HM4040P

Horizontal CNC Machining Center

RES-SEIKI®

H Series H4030/H4040/H4040P/HM4040/HM4040P

MACHINE SPECIFICATIONS

		H4030	H4040	H4040P	HM4040	HM4040P
Table size	Unit: mm	400 x 400	400 x 400	400 x 400 x 2 PCS	400 x 400	400 x 400 x 2 PCS
Max. table load	kg	200	200	300	400	600
Max. workpiece dimension (DxHxW)	mm	Ø400 x 540	Ø400 x 540	Ø560 x 700	Ø560 x 700	Ø560 x 700
Min. indexing angle of table	deg.	0.001	0.001	0.001	0.001	0.001
Cumulative indexing precision of table	sec.	20	20	20	10	10
Table repeatability accuracy	sec.	4	4	4	4	4
Drive system for table exchange		-	-	Carm type	-	Servo motor
Max. rotation diameter of APC	mm	-	-	1370	-	1370
X, Y, Z axis travel	mm	400 / 450 / 380	400 / 450 / 380	500 x 450 x 450	560 x 450 x 560	560 / 560 / 560
Spindle center to surface of table	mm	90-540	110-540	100-550	105-605	105-605
Spindle nose to table center	mm	190-570	110-490	160-610	100-660	100-660
3 axes bidirectional accuracy of positioning	mm	-	-	VDI 3441	-	-
3 axes bidirectional repeatability of positioning	mm	-	-	VDI 3441	-	-
Spindle taper		BT30	BT40	BT40	-	-
Spindle stud		MAS403 P30T-1(45°)	MAS403 P30T-1(45°)	MAS403 P30T-1(45°)	-	-
Spindle driving		Direct	Direct	Direct	-	-
Spindle motor	Mitsubishi Kw	5.5 / 3.7	7.5 / 5.5	7.5 / 5.5	15 / 11	15 / 11
	Fanuc Kw	5.5 / 3.7	7.5 / 5.5	7.5 / 5.5	15 / 11	15 / 11
	Siemens Kw	5.6 / 3.7	10.5 / 7.0	10.5 / 7.0	16.5 / 11	16.5 / 11
X drive motor	Mitsubishi Kw	1.5	1.5	1.5	4.5	4.5
	Fanuc Kw	1.6	1.6	1.6	4.0	4.0
	Siemens Kw	2.3	2.3	2.3	4.9	4.9
Y drive motor	Mitsubishi Kw	3.0	3.0	3.0	4.5	4.5
	Fanuc Kw	3.0	3.0	3.0	4.0	4.0
	Siemens Kw	3.3	4.8	4.8	4.9	4.9
Z drive motor	Mitsubishi Kw	1.5	1.5	2.2	4.5	4.5
	Fanuc Kw	1.6	1.6	1.6	4.0	4.0
	Siemens Kw	2.3	2.3	2.3	4.9	4.9
B drive motor	Mitsubishi Kw	1.5	1.5	2.2	2.2	2.2
	Fanuc Kw	1.6	1.6	1.6	3.0	3.0
	Siemens Kw	2.3	2.3	2.3	2.3	2.3
Spindle speed	rpm	10000	8000	8000	10000	10000
B axis speed	rpm	16.6	16.6	27.7 / 48	33.3	33.3
X / Y / Z axis rapid traverse	mm/min	48 / 160 / 48	48 / 48 / 48	48 / 48 / 48	48 / 48 / 48	48 / 48 / 48
Tools capacity	pcs	24+1	30+1	30+1	40+1	60+1
Max. tool weight	kg	4	5	5	7	7
Max. tool length	mm	200	250	250	300	300
Max. tool diameter (ultimate pocket empty)	mm	65 (80)	78 (120)	78 (120)	75 (150)	75 (150)
ATC time (T-T)	sec.	2.5	3.0	2.7	4.0	4.0
Tool change type		-	-	Arm type	-	-
Tank volume	L	200	200	200	380	380
Coolant pump rate	W	600	600	600	600	600
Flow rate	l/min	136	136	136	136	136
Chip flush pump rate	W	600	600	600	930	1320
Flow rate	l/min	136	136	250	250	250
Weight	kg	3700	3850	5700	8150	10300
Floor space	mm	1635 x 2593 x 2407	2020 x 2670 x 2475	2030 x 4200 x 2450	2550 x 4050 x 2730	2575 x 4680 x 2730

CONTROLLER SPECIFICATIONS

	Mitsubishi	Fanuc	Siemens		O: Standard	OP: Option
Max. simultaneous axis	4	4	4	Multi-language display	O	O
Standard controlled axis	4	4	4	ABS servo motor	O	O
Program storage length	512 kb	512 kb	5 M	Tool length compensation	O	O
Workpiece coordinates	54	54	100	Tool radius compensation	O	O
Max. variable number	700	600	300	On-screen drafting	O	O
Tool offset pairs	400	400	128 / 256	High speed data server & ethernet	O	OP
Conversational programming	NAVI	Manual guide G1	Program guide (CP)	High speed high accuracy tool control mode	G05 P10000	G05.1 Q1
	8.4" TFT LCD	10.4" TFT LCD	10.4" TFT LCD	Interface	RS232C / RJ45	RJ45
Monitor	10.4" TFT LCD (HM4040/HM4040P)			Memory card input / output	O	O
				USB input / output	O	O

* Tool change time supplied with Mitsubishi controller and standard 60Hz power.

For electrical requirements other than this standard, please contact one of our personnel.