HD403-5X 5-axis Horizontal CNC Tapping Center

MACHINE SPECIFICATIONS

		Unit	HD403-5X
Table size		mm	Ø170
Max. table load		kg	30
Max. workpiece dimennsion (Ø × height)		mm	Ø220 x 300
Min. indexing precision of C axis rotary		deg.	0.001
Cumulative indexing precision of C axis		sec.	20
C axis repeatability accuracy		sec.	4
Slope angle of A axis		deg.	±100°
Cumulative indexing precision of A axis		sec.	30
A axis repeatability accuracy		sec.	8
A / C axis speed		rpm	150 / 200
X, Y, Z axis travel		mm	400 / 610 / 380
3 axes rapid traverse		m/min	48 / 60 / 48
3 axes bidirectional accuracy of positioning		mm	0.005 / 300
3 axes bidirectional repeatability of positioning		mm	±0.003
Spindle speed		rpm	12000
Spindle taper			BT30
Pull stud			MAS403 P30T-1(45°)
Spindle driving			Direct
Spindle center to surface of table		mm	190 ~ 570
Spindle nose to table center		mm	-135 ~ 475
Spindle motor	Mitsubishi	Kw	5.5 / 3.7
	Fanuc	Kw	5.5 / 3.7
	Siemens	Kw	5.5 / 3.7

X drive motor	Mitsubishi	Kw	1.5
	Fanuc	Kw	1.6
	Siemens	Kw	2.3
Y drive motor	Mitsubishi	Kw	3.0
	Fanuc	Kw	3.0
	Siemens	Kw	3.3
Z drive motor	Mitsubishi	Kw	1.5
	Fanuc	Kw	1.6
	Siemens	Kw	2.3
A axis cutting torque		Nm	48
C axis cutting torque		Nm	29
Tools capacity		tools	24+1
Max. tool weight		kg	4
Max. tool length		mm	200
Max. tool diameter (alternate pocket empty)		mm	65 (80)
ATC time (T-T)		sec	2.5
Tool change type			Arm type
Tank volume		L	200
Coolant pump rate		W	600 x 2pcs
Flow rate		L/min	136
Chip flush type			Flushing type
Auto. chip conveyor			OP
Net weight		kg	3700
Floor space		mm	1835 x 2593 x 2471

CONTROLLER SPECIFICATIONS

O : standard **OP : option**

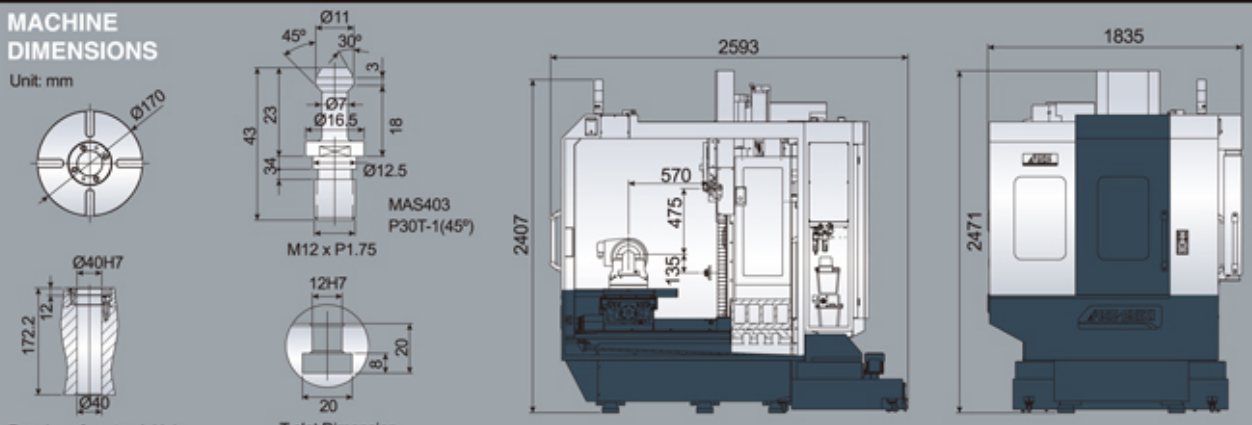
	Mitsubishi	Fanuc	Siemens
Max. simultaneous axis	4	4	4
Standard controlled axis	5	5	5
Program storage length	512 kb	512 kb	3 M
Work piece coordinates	54	54	100
Max. variable number	700	600	300
Tool offset pairs	400	400	128 / 256
Conversational programming	NAVI	Manual guide Oi	Program guide shopmail (OP)
Monitor	8.4"TFT LCD / 10.4"TFT LCD (OP)		10.4"TFT LCD
Multi-language display	O	O	O

	Mitsubishi	Fanuc	Siemens
ABS servo motor	O	O	O
Tool length compensation	O	O	O
Tool radius compensation	O	O	O
On-screen drafting	O	O	O
High speed data server & ethernet	O	OP	O
High speed & high accuracy machining control mode	G05 P10000	G05.1 Q1	CYCLE832
Intelface	RS232 / RJ45		RJ45
Memory card input / output	O	O	O
USB input / output	O	O	O

★ Tool change time supplied with standard 60Hz power. For electrical requirements other than this standard, please contact one of our personnel.

MACHINE DIMENSIONS

Unit: mm



★ The company reserves the right to modify the specifications / design, subject to change without further notice. Actual specifications, based on order content.

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