

A5X Series A5X403/A5X404

A5X Series

MACHINE SPECIFICATIONS

	Unit	A5X403	A5X404
Table size	mm	Ø255	Ø250 / Ø320(OP)
Max. Table load	kgf	50	75
Max. Workpiece dimension (Ø x height)	mm	Ø360 x 250	Ø448 x 250
Min. indexing precision of C axis rotary	degree	0.001	0.001
Cumulative indexing precision of C axis	sec	15	15
C axis repeatability accuracy	sec	4	6
Slope angle of A axis	degree	±110	+120 / -40
Cumulative indexing precision of A axis	sec	60	45
A axis repeatability accuracy	sec	8	8
Max. Speeds for A, C axis	rpm	33.3	13.3 / 22.2
X, Y, Z axis travel	mm	400 x 500 x 400	400 x 500 x 450
3 axes rapid traverse	m/min	48 / 48 / 48	48 / 48 / 48
3 axes bidirectional accuracy of positioning	mm	VDI 3441	VDI 3441
3 axes bidirectional repeatability of positioning	mm	VDI 3441	VDI 3441
Spindle speeds	rpm	10000	8000
Spindle taper		BT30	BT40
Pull stud		MAS 403 P30T-1(45°)	MAS 403 P40T-1(45°)
Spindle driving		Direct-drive	
Spindle nose to table	mm	30 ~ 430	40 ~ 490
Spindle center to Z path	mm	570	570
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	1.5
	Fanuc	kw	1.6
	Siemens	kw	2.3
Z drive motor	Mitsubishi	kw	3
	Fanuc	kw	3
	Siemens	kw	3.3
A drive motor	Mitsubishi	kw	1.5
	Fanuc	kw	1.6
	Siemens	kw	2.3
C drive motor	Mitsubishi	kw	1
	Fanuc	kw	1
	Siemens	kw	2.3
Tools capacity	tools	20+1	24+1
Max. tool weight	kg	4	5
Max. tool length	mm	200	250
Max. tool diameter (alternate pocket empty)	mm	60 (80)	80 (120)
ATC time (T-T)	sec	2.2	2.4
Tool Change type		Arm type	
Tank volume	L	260	260
Coolant pump rate	W	600 x 2 pcs	600 x 2 pcs
Flow rate	L/min	136	136
Chip flush type		Flushing type	
Auto. Chip conveyor		OP	
Net weight	kg	3900	4300
Floor space	mm	1970 x 3032 x 2700	2170 x 3032 x 2657

CONTROLLER SPECIFICATIONS

○ : Standard OP : Option

	Mitsubishi	Fanuc	Siemens
Max. controlled axis	5	5	5
Max. simultaneous axis	4	4	4
Standard controlled axis	5	5	5
Program storage length	512kb	512kb	3M
Work piece coordinates	54	54	100
Max. variable number	700	600	300
Tool offset pairs	400	400	128/256
Conversational programming	NAVI	Manual guide 0i	Program Guide Shopmill (OP)
Monitor	8.4" TFT LCD / 10.4" TFT LCD (OP)		10.4" TFT LCD
Multi-language display	○	○	○
ABS servo motor	○	○	○
Tool length compensation	○	○	○
Tool path compensation	○	○	○
On-screen drafting	○	○	○
High speed data server & ethernet	○	OP	○
High speed & high accuracy machining control mode		G05.1 Q1	Cycle 832
Interface		R5232 / RJ45	RJ45
Memory card input / output	○	○	○

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



**EXCELLENCE
THROUGH
EXPERTISE**



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ARES MACHINERY CO., LTD.

A5X403/A5X404
5-axis CNC Tapping Center

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