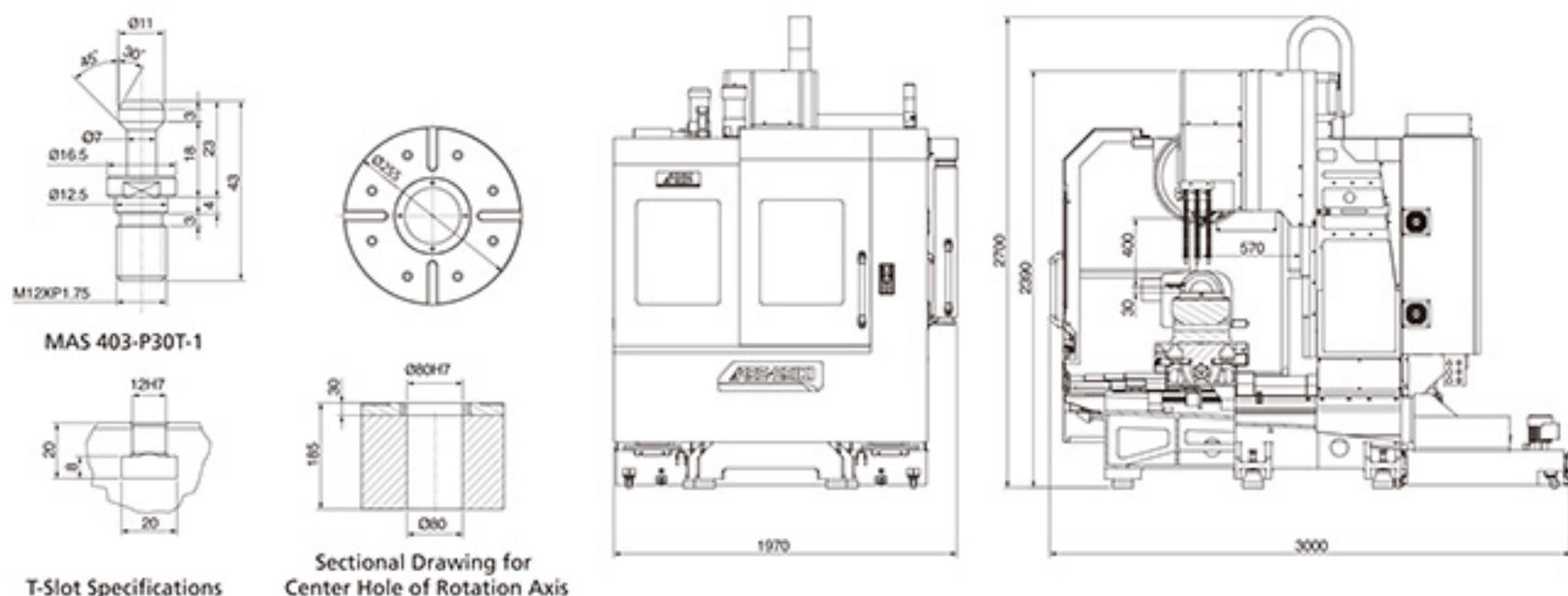


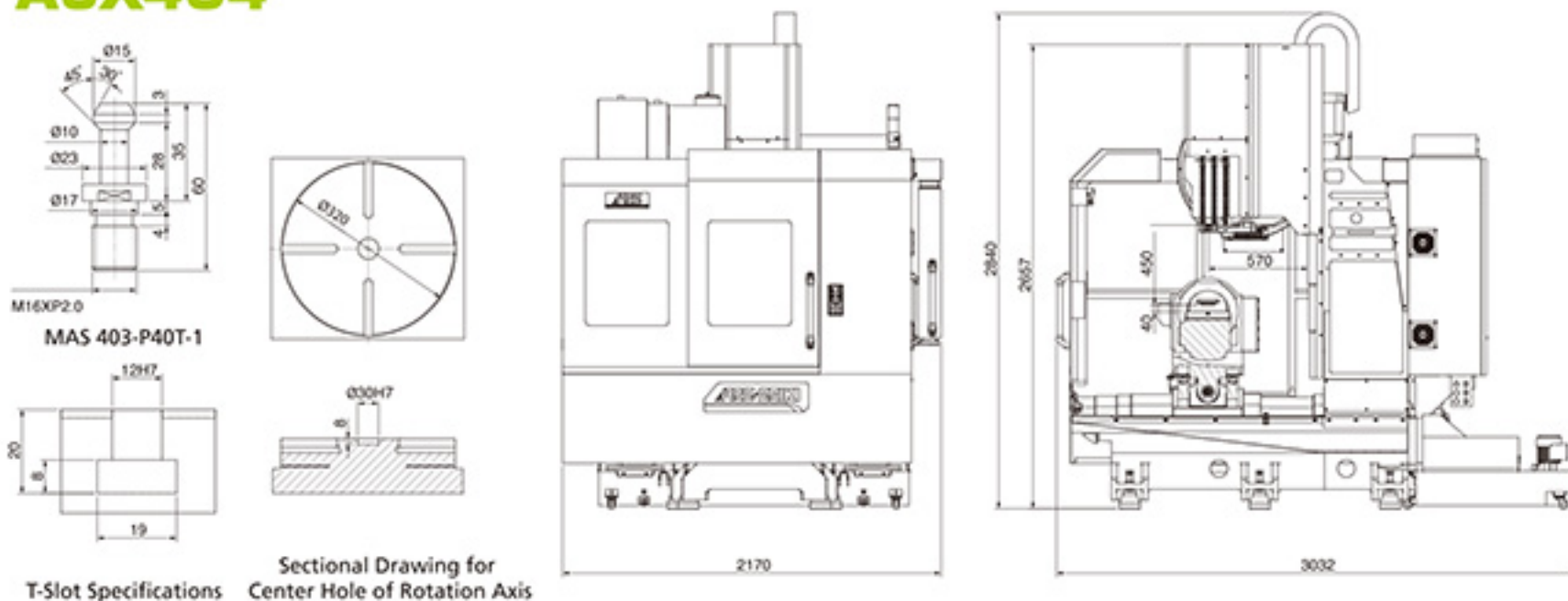
A5X Series A5X403/A5X404

MACHINE DIMENSIONS

A5X403



A5X404



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

Standard accessories

- Auto. Lubrication system
- Tool coolant system
- Direct drive spindle system
- Auto chip purging system
- High speed arm type tool change system
- 3 axes with roller guide
- Spindle air blow system
- Dual electric cases (Heat insulated)
- LED Work light
- Triple-color alarm light
- TFT LCD
- Toolbox and tools
- Leveling bolts and pads

Optional accessories

- Tilted work plane (Fanuc)
- 5 axis simultaneous (SIEMENS 840D)
- Spindle speed
BT30:12000/15000/20000/24000 rpm
BT40:12000/15000
High speed spindle (With spindle oil cooling system)
- Coolant through spindle(CTS)
- Full enclosed splash guard (Top Cover)
- Transformer/stabilizer
- Chip conveyor with cart
- CTS filtration
- Oil/water partition
- Oil mist collector
- Water gun
- Air gun
- Auto. Door
- Auto. Tool length measurement
- Damaged cutting tool sensor
- Work piece air blow system
- CE

A5X Series A5X403/A5X404

MACHINE SPECIFICATIONS

	Unit	A5X403	A5X404
Table size	mm	Ø255	Ø320
Max. Table load	kgf	50	75
Max. Workpiece dimension (Ø × height)	mm	Ø360 × 250	Ø448 × 250
Min. indexing precision of C axis rotary	degree	0.001	0.001
Cumulative indexing precision of A, C axis	sec	50 / 15	45 / 15
Repeatability accuracy of A, C axis	sec	8 / 4	8 / 6
Slope angle of A axis	degree	±110	+120 / -40
Max. Speeds for A, C axis	rpm	16.6 / 25	13.3 / 22.2
X, Y, Z axis travel	mm	400 × 500 × 400	400 × 500 × 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	5.6 / 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	3.0
	Fanuc	kw	3.0
	Siemens	kw	3.3
A drive motor	Mitsubishi	kw	1.5
	Fanuc	kw	1.6
	Siemens	kw	2.3
C drive motor	Mitsubishi	kw	1.0
	Fanuc	kw	1.0
	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
Chip flush type		Flushing type	
Auto. Chip conveyor		OP	
Net weight	kg	3900	4300
Floor space	mm	1970 × 3032 × 2700	2170 × 3032 × 2657

CONTROLLER SPECIFICATIONS

○ : Standard OP : Option

	Mitsubishi	Fanuc	Siemens
Max. simultaneous axis	4	4	4
Standard controlled axis	5	5	5
Program storage length	500kb	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 Oi	Program Guide Shopmill (OP)
Monitor	8.4" 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 P20000	G05.1 Q1	Cycle 832
Interface	RS232 / 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.