

R Series 5140

CNC TAPPING CENTER

ARES-SEIKI®
EXCELLENCE THROUGH EXPERTISE

HIGH SPEED HIGH EFFICIENCY MACHINERY

- HIGH SPEED SPINDLE
- HIGH RESPONSE SERVO SYSTEM
- HIGH SPEED 3 AXES RAPID TRAVERSE



- Spindle speed 60~8,000rpm (STD)
- Spindle speed 60~12,000rpm (OPT)
- Rigid tapping 3,000rpm
- Spindle nose taper BT40
- 3 axes rapid traverse X, Y, Z : 36, 36, 36m/min
- Dual electric cases (Heat insulated)
- High speed mechanical ATC system T-T : 2.2 sec

R Series 5140 CNC DRILLING & TAPPING CENTER

MACHINE SPECIFICATIONS

	Unit	Mitsubishi	FANUC
Table size	mm	600 x 410	
Max. table load	kg	250	
Longitudinal table travel (X)	mm	510	
Cross table travel (Y)	mm	400	
Vertical head travel (Z)	mm	460	
Table to spindle nose	mm	140 ~ 600	
Spindle taper		BT40	
Pull stud		MAS403 P40T-1(45°)	
Spindle motor	kW	7.5 / 5.5	7.5 / 5.5
X drive motor	kW	1.5	1.6
Y drive motor	kW	1.5	1.6
Z drive motor	kW	3.5	3.0
Spindle speeds	rpm	60 ~ 8000	
X, Y, Z axis rapid traverse	m / min	36 / 36 / 36	
Magazine capacity		12	
Max. tool weight	kg	3	
Max. tool length	mm	250	
ATC time	sec	2.2 (T-T)	
	sec	4.1 (C-C)	
Floor space	mm	1560 x 2670 x 2825	
Net weight	kg	3500	

CONTROLLER SPECIFICATIONS

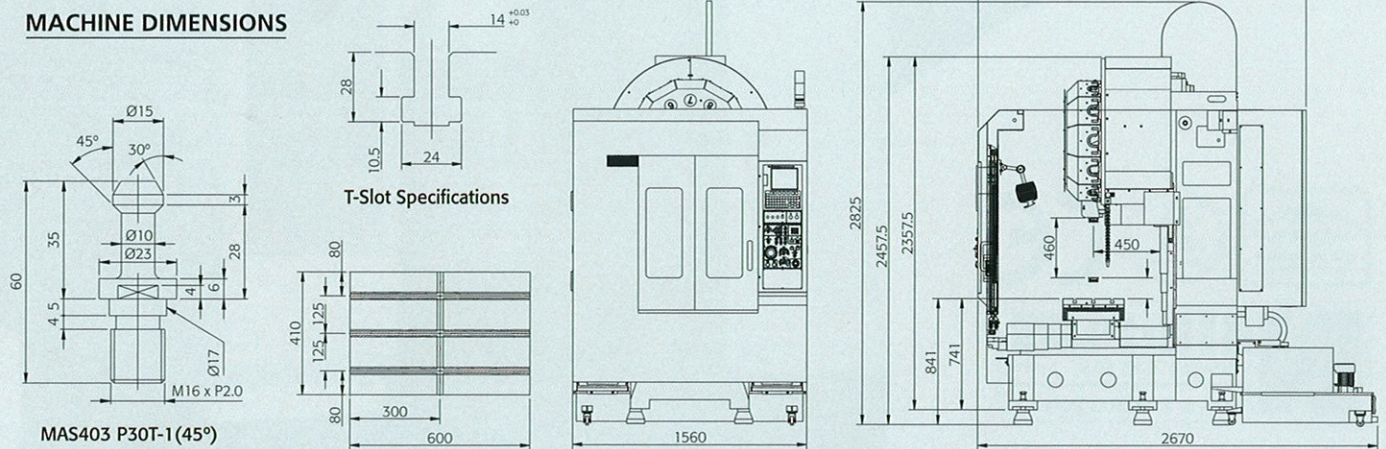
	Mitsubishi	FANUC
	M70-B	0i-MD
Max. controlled axis	4	4
Max. simultaneous axis	4	4
Standard controlled axis	3	3
Program storage length	600m	1280m
Work piece coordinates	54	54
Macro common variables	400	700
Tool offset pairs	400	400
Conversational programming	NAVI	Manual Guide 0i
Monitor	8.4" TFT LCD	
Multi-language display	O	O
ABS servo motor	O	O
Tool length compensation	O	O
Tool path compensation	O	O
On-screen drafting	O	O
High speed data serve & Ethernet	O	OP
High speed & high accuracy machining control mode	G05.1 Q1	
Interface	RS232 / RJ45	
Memory card input / output	O	O

O: Standard

OP: Option

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

MACHINE DIMENSIONS



STANDARD ACCESSORIES

OPTIONAL ACCESSORIES

- Toolbox and tools
- Auto. lubrication system
- Tool coolant system
- Spindle air blow system
- Leveling bolts and pads
- Dual electric cases (Heat insulated)
- Dual-color alarm light
- Work light
- TFT LCD

- Transformer / stabilizer
- Work piece air blow system
- 12,000rpm high speed spindle (With spindle oil cooling system)
- Air gun / Water gun
- Chip conveyer with cart
- Oil water partition

- Auto. tool length measurement
- Damaged cutting tool sensor
- Auto. door
- High speed & high accuracy machining control mode G05 P10000 (Mitsubishi M70-A)
- The 4th axis (NC Indexing Table)
- Fifth axis (4th axis with sloped rotary table)

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★ ARES-SEIKI reserves the right to change the specifications of its machines as technology develops without prior notice.

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