

TAPPING CENTER



MACHINE SPECIFICATIONS

		RIC-MC450		RIC-MC510				RIC-MC600			
		Mitsubishi	Fanuc	RIC-MC510A	RIC-MC510B	RIC-MC510C	RIC-MC510D	RIC-MC600A	RIC-MC600B	RIC-MC600C	RIC-MC600D
AXES											
X-axis Travel	mm	450		510				600			
Y-axis Travel	mm	300		400				400			
Z-axis Travel	mm	300		400	350	500	430	400	350	500	430
Table to Spindle Nose	mm	175 ~ 475		150				150			
RAPID TRAVERSE	M/min	48/48/60	48/48/60	48/48/48	48/48/60	48/48/48	48/48/60	48/48/48	48/48/60	48/48/48	48/48/60
X-axis Drive Motor	kw	1.5	1.6	1.5 (MELDAS)				1.5 (MELDAS)			
Y-axis Drive Motor	kw	1.5	1.6	1.5 (MELDAS)				1.5 (MELDAS)			
Z-axis Drive Motor	kw	3.5	3.0	3.5 (MELDAS)				3.5 (MELDAS)			
SPINDLE											
Transmission		Direct Coupling		Belt	Direct Coupling	Belt	Direct Coupling	Belt	Direct Coupling	Belt	Direct Coupling
Spindle Taper		BT-30		BT-40	BT-30	BT-40	BT-30	BT-40	BT-30	BT-40	BT-30
Spindle Motor Output	kw	3.7/2.2		5.5/3.7	3.5/2.2	5.5/3.7	3.5/2.2	5.5/3.7	3.5/2.2	5.5/3.7	3.5/2.2
Spindle Speeds	Min ⁻¹	8,000		8,000				8,000			
MAGAZINE											
				ARM LESS		ARM TYPE		ARM LESS		ARM TYPE	
Magazine Capacity	pcs	12		12	12	24+1	20+1	12	12	24+1	20+1
Max. Tool Weight	kgs	2.5		4	3	4	3	4	3	4	3
Max. Tool Length	mm	200		250	200	250	200	250	200	250	200
Max. Tool Diameter	mm	80		100	80	63	63	100	80	63	63
ATC Speed (T-T)	sec.	1.4		1.8	1.4	1.8	1.2	1.8	1.4	1.8	1.2
ATC Speed (C-C)	sec.	2.3		2.5	2.3	2.5	2	2.5	2.3	2.5	2
MACHINE DIMENSIONS											
Table Size	mm	500 x 320		600 x 420				700 x 420			
Max. Table Load	kgs	200		250				250			
Net Weight	kgs	2,100		3200	3100	3400	3250	3300	3200	3500	3350

NC SPECIFICATIONS

O : Standard X : Nono OP : Option

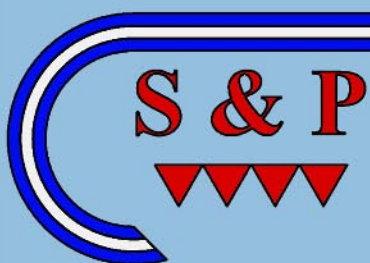
	Mitsubishi		Fanuc	
	64-ASM		Oi-MC	
	RIC-MC450/510/600		RIC-MC450	
Max. Controlled Axis	4		4	
Max. Simultaneous Axis	4		4	
Std. Controlled Axis	3		3	
Program Storage Length	600M		640M	
Work Coordinate System Selection	54		54	
Macro Variables Common	400		700	
Tool Offset Sets	200		400	
Conversational Programming	OP		O	
Display	TFT LCD		TFT LCD	
Multi Language Display	O		O	
Servo Motor with ABS. encoder	O		O	
Tool Length Compensation	O		O	
Tool Offset	O		O	
Tool Path Display	O		O	
Data Server & Ethernet	OP		OP	
High Speed & Accuracy Machining Mode	G05 P3		G05.1 Q1	
Tape Interface	RS-232		RS-232	
Input / Output by Memory Card	X		O	

STANDARD MACHINE FEATURES

- Directly Coupled Spindle Drive System (BT-30 Only)
- Spindle Air Blow Device
- Work Light
- Tool Coolant System
- Leveling Bolts and Pads
- Double-cabinet-type Heat Isolated Electric Cabinet (with Heat exchanger)
- Screw-type Chip Removing Device
- Automatic Lubrication System
- Tool Kit and Tools
- Dual-color Alarm Light
- TFT LCD monitor

OPTIONAL ACCESSORIES

- Automatic Door
- Transformer
- RIC-MC450: 15,000 rpm Spindle
RIC-510/600: 12,000 rpm, 15,000 rpm Spindle (with Spindle Constant Temperature System) (15,000 rpm for BT-30 Only)
- Extra Low Inertia Spindle Motor
- High Pressure Coolant Through Spindle (BT-30 Only)
- Automatic Tool Length Measurement with Breaking Detection
- Workpiece Air Blow System
- 4th Axis (NC Rotary Table)
- 5th Axis (4th Axis with Tilting Shaft)
- Ethernet with Memory Card for High Speed Program Execution



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