

R Series 5030/5630/6030

CNC DRILLING & TAPPING CENTER

MACHINE SPECIFICATIONS

	Unit	R5030	R5630	R6030
Table size	mm	550 x 320	650 x 410	700 x 410
Max. table load	kg	200	200	200
X, Y, Z axis travel	mm	500 x 300 x 300	560 x 400 x 300	600 x 400 x 300
Table to spindle nose	mm	170 ~ 470	180 ~ 480	155 ~ 455
Spindle taper		BT30	BT30	BT30
Pull stud			MAS403 P30T-1 (45°)	
Spindle motor	Mitsubishi	kW	5.5 / 3.7	5.5 / 3.7
	FANUC	kW	3.7 / 2.2	3.7 / 2.2
	SIEMENS	kW	5.6 / 3.7	5.6 / 3.7
X drive motor	Mitsubishi	kW	1.0	1.5
	FANUC	kW	1.6	1.6
	SIEMENS	kW	2.3	2.3
Y drive motor	Mitsubishi	kW	1.0	1.5
	FANUC	kW	1.6	1.6
	SIEMENS	kW	2.3	2.3
Z drive motor	Mitsubishi	kW	2.0	3.0
	FANUC	kW	3.0	3.0
	SIEMENS	kW	3.3	3.3
Spindle speeds	rpm	10000	10000	10000
X, Y, Z axis rapid traverse	m/min	48 / 48 / 60	48 / 48 / 60	48 / 48 / 60
Tools capacity	no.	14 / 20 (OP)	14 / 20 (OP)	14 / 20 (OP)
Max. tool weight	kg	3	3	3
Max. tool length	mm	200	200	200
ATC time (T-T)	sec	M 1.6 / F 2.5	M 1.7 / F 2.6	M 1.7 / F 2.6
Net weight	kg	2200	2600	3100
Floor space	mm	1500 x 2230 x 2480	1590 x 2640 x 2500	1700 x 2750 x 2500

CONTROLLER SPECIFICATIONS

	M80-B	0iMF	828D		M80-B	0iMF	828D
Max. number of controlled NC axis	5	5	4	Multi-language display	O	O	O
Max. simultaneous axis	4	4	4	ABS servo motor	O	O	O
Standard controlled axis	3	3	3	Tool length compensation	O	O	O
Program storage length	512kb	512kb	3M	Tool path compensation	O	O	O
Work piece coordinates	54	54	100	On-screen drafting	O	O	O
Max. variable number	700	600	300	High speed data serve & Ethernet	O	OP	O
Tool offset pairs	400	400	128/256	High speed & high accuracy machining control mode	G05 P10000	G05.1 Q1	Cycle832
Conversational programming	NAVI	Manual guide 0i	Program Guide Shopmill(OP)	Interface	RS232 / RJ45		RJ45
Monitor	8.4" TFT LCD		10.4" LCD	Memory card 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.

STANDARD ACCESSORIES

- Toolbox and tools
- Auto. lubrication system
- Tool coolant system
- Spindle air blow system
- Leveling bolts and pads
- Direct drive spindle system
- Work light
- Fully enclosed electric case (Heat insulated)
- Triple-color alarm light
- Screw-type chip conveyer (R5030)
- TFT LCD

OPTIONAL ACCESSORIES

- Servo ATC
- Transformer / stabilizer
- Work piece air blow system
- Spindle speed:
12,000 / 15,000 / 20,000rpm
24,000rpm
high speed spindle
(With spindle oil cooling system)
- Coolant through spindle (CTS)
- CTS filter
- Air gun / Water gun
- Surround chip flushing system (R5030)
- Oil water partition
- Auto. tool length measurement
- Damaged cutting tool sensor
- Full enclosed splash guard (top cover)
- Oil mist collector
- Auto. door