Machine Specifications

		Unit	A series A12030	A series A12040	R series R12030	R series R12040
Table size		mm	1300 x 530	1300 x 530	1300 x 530	1300 x 530
Max. table load		kg	400	400	400	400
X, Y, Z axis travel		mm	1200 x 500 x 350	1200 x 500 x 550	1200 x 500 x 300	1200 x 500 x 400
Table to spindle nose		mm	170 ~ 520	140 ~ 690	170 ~ 470	140 ~ 540
Spindle taper			BT30	BT40	BT30	BT40
Pull stud			MAS403 P30T-1 (45°)	MAS403 P40T-1 (45°)	MAS403 P30T-1 (45°)	MAS403 P40T-1 (45°)
Spindle motor	Mitsubishi	kw	5.5 / 3.7	7.5 / 5.5	5.5 / 3.7	7.5 / 5.5
	Fanuc	kw	3.7 / 2.2	7.5 / 5.5	3.7 / 2.2	7.5 / 5.5
X drive motor	Mitsubishi	kw	3.5	3.5	3.5	3.5
	Fanuc	kw	3.0	3.0	3.0	3.0
Y drive motor	Mitsubishi	kw	3.5	3.5	3.5	3.5
	Fanuc	kw	3.0	3.0	3.0	3.0
Z drive motor	Mitsubishi	kw	3.5	3.5	3.5	3.5
	Fanuc	kw	4.0	4.0	4.0	4.0
Spindle speeds		rpm	10000	8000	10000	8000
X, Y, Z axis rapid traverse		m/min	48 / 48 / 48	48 / 48 / 48	48 / 48 / 48	48 / 48 / 48
Magazine capacity			20+1	24+1	14	14
Max. tool weight		kg	4	5	3	3
Max. tool length		mm	200	250	200	250
ATC time (T-T)		sec	2.2	2.4	M 2.0 / F3.0	M2.5 / F3.5
Net weight		kg	4570	4700	4500	4620
Floor space		mm	2900 x 3270 x 2625	2900 x 3270 x 2885	2900 x 3270 x 2940	2900 x 3270 x 3000

Controller Specifications

O : Standard OP : Option

	Mitsubishi	FANUC
	M80-B	0i-MF
Max. controlled axis	5	5
Max. simultaneous axis	4	4
Standard controlled axis	3	3
Program storage length	512 kb	512 kb
Work piece coordinates	54	54
Max. variable number	700	600
Tool offset pairs	400	400
Conversational programming	NAVI	Manual guide 0i
Monitor	8.4"TFT LCD	

	Mitsubishi	FANUC
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 server & ethernet	O	OP
High speed & high accuracy machining control mode	G05 P10000	G05.1 Q1
Interface	RS232 / RJ45	
Memory card input / output	O	O

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

Standard Accessories

- Toolbox and tools
- Auto. lubrication system
- Spindle air blow system
- Leveling bolts and pads
- Direct drive spindle system
- Triple-color alarm light
- Dual electric cases. (Heat insulated)
- Auto. roof flush chip purging system
- Tool coolant system
- Work light
- TFT LCD

Optional Accessories

- Siemens controller
- Servo ATC (R12030 / R12040)
- Transformer / stabilizer
- Work piece air blow system
- Spindle speed
  BT30: 12,000 / 15,000 / 20,000rpm
  24,000rpm
  BT40: 12,000 / 15,000rpm
  High speed spindle
  (With spindle oil cooling system)
- Auto. tool length measurement
- Damaged cutting tool sensor
- The 4th axis (CNC Rotary Table)
- Coolant through spindle (CTS)
- Full enclosed splash guard (Top cover)
- Chip conveyor with cart
- High speed & high accuracy machining control mode G05 P20000 (Mitsubishi M80-A)
- Oil / water partition
- Oil mist collector
- Water gun
- Air gun
- Auto. door
- CTS filtration
- CE

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