

Machine Specifications			A series		R series	
	Unit		A12030	A12040	R12030	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		Mitsubishi	FANUC
	M80-B	0i-MF	Multi-language display	O	O
Max. controlled axis	5	5	ABS servo motor	O	O
Max. simultaneous axis	4	4	Tool length compensation	O	O
Standard controlled axis	3	3	Tool path compensation	O	O
Program storage length	512 kb	512 kb	On-screen drafting	O	O
Work piece coordinates	54	54	High speed data server & ethernet	O	OP
Max. variable number	700	600	High speed & high accuracy machining control mode	G05 P10000	G05.1 Q1
Tool offset pairs	400	400	Interface	RS232 / RJ45	
Conversational programming	NAVI	Manual guide 0i	Memory card input / output	O	O
Monitor	8.4" TFT LCD				

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

Standard Accessories		Optional 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	- 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.