

Machine Specifications

Description	MEGA-72		MEGA-100		MEGA-110		MEGA-130		MEGA-T130
		2000/3000	3000/4000/5000/6000		3000/4000/5000/6000		3000/4000/5000/6000 /7000/8000/10000		
Capacity									
Swing over Bed	mm	Ø720	Ø1,080		Ø1,180		Ø1,300		Ø1,300
Swing over Cross Slide	mm	Ø480	Ø720		Ø820		Ø930		Ø910
Max. Turning Dia. over Cross Slide	mm	Ø470	Ø700		Ø800		Ø920		Ø900
Max. Turning Dia. over Bed	mm	Ø720	Ø1,000		Ø1,100		Ø1,300		Ø1,300
Distance Between Centers	mm	2,000 / 3,000	3,000 / 4,000 / 5,000 / 6,000		3,000 / 4,000 / 5,000 / 6,000		3,000 / 4,000 / 5,000 / 6,000 / 7,000 / 8,000 / 10,000		-
Spindle									
Spindle Nose	KS	A2-8	A2-15 (Ø155, Ø255) / A2-20 (/ Ø320)		A2-15 (Ø155, Ø255) / A2-20 (/ Ø320)		A2-15 (Ø155, Ø255 : 3000-8000 type) / A2-20 (Ø320)		A2-15
Spindle Through Hole	mm	Ø90	Ø155 / Ø255 / Ø320		Ø155 / Ø255 / Ø320		Ø155 / Ø255 / Ø320		Ø155 / Ø255
Taper of Spindle Bore	M.T	No.7	No. 170 / 260 / 327		No. 170 / 260 / 327		No. 170 / 260 / 327		No. 170 / 260
Spindle Ranges	step	Manual 2 steps	Auto 3 steps		Auto 3 steps		Auto 3 steps		Auto 3 steps
Spindle Speed	rpm	30 ~ 1,500	40~750 (Ø155) / 30~650 (Ø255) / 20~400 (Ø320)		40~750 (Ø155) / 30~650 (Ø255) / 20~400 (Ø320)		40~630 (Ø155 : 3000-8000type) / 30~650 (Ø255) / 20~400 (Ø320)		40~400 (Ø155) / 30~400 (Ø255)
Travel									
X-axis Travel	mm	400	520		570		720		670
Z-axis Travel	mm	1,900 / 2,900	3,000 / 4,000 / 5,000 / 6,000		3,000 / 4,000 / 5,000 / 6,000		3,000 / 4,000 / 5,000 / 6,000 / 7,000 / 8,000 / 10,000		1,100
X-axis Rapid Feedrate	mm/min	6,000	6,000		6,000		6,000		4,000
Z-axis Rapid Feedrate	mm/min	6,000	6,000 / 5,000 (6,000 type)		6,000 / 5,000 (6,000 type)		6,000		4,000
Tool Post									
Turret Type / No. of Tools	- / pcs	H4 / 4	H4 / 4		H4 / 4		H4 / 4		H4 / 4
Tail Stock									
Quill Type	-	Built-in type	Built-in type		Built-in type		Built-in type		-
Quill Dia. / Quill Stroke	mm	Ø90 / 150	Ø200 / 260		Ø200 / 260		Ø200 / 260, Ø250 / 260 (6000type)		-
Quill Bore Taper	M.T	No. 5	No. 6		No. 6		No. 6		-
Bed									
Bed Length	mm	3,652 / 4,652	5,370 / 6,370 / 7,370 / 8,370		5,370 / 6,370 / 7,370 / 8,370		5,670 / 6,670 / 7,670 / 8,670 / 9,670 / 10,670 / 12,670		3,720
Bed Width (Type of Bed)	mm	510 (1bed, 2ways)	700 (1bed, 2ways)		700 (1bed, 2ways)		810 (1bed, 2ways)		900 (1bed, 2ways)
Motor									
Spindle Motor	kW	18.5 / 15	23 / 18.5		55.5 / 37		55.5 / 37		23 / 18.5
Servo Motor (X/Z)	kW	1.86 / 4.29	3.3 / 5.24, 3.3 / 9.58 (6000type)		3.3 / 5.24, 3.3 / 9.58 (6000type)		3.3 / 5.24, 3.3 / 10.47 (6000type)		3.3 / 5.24
Coolant Pump	W	180	250		250		250		180
Bed Lubrication Pump	W	57	57		57		57		57
Spindle Lubrication Pump	W	200	200		200		200		200
Power									
Power Capacity	kVA	35	45		70		70		45
Power Specification	-	S : 380V / 60Hz ; F : 220V / 60Hz	S : 380V / 60Hz ; F : 220V / 60Hz		S : 380V / 60Hz ; F : 220V / 60Hz		S : 380V / 60Hz ; F : 220V / 60Hz		S : 380V / 60Hz ; F : 220V / 60Hz
Dimension									
Floor Space (L x W x H)	mm	2,000type : 4,250 x 2,147 x 1,920 3,000type : 5,250 x 2,147 x 1,920	3,000type : 6,200 x 2,350 x 2,150 4,000type : 7,200 x 2,350 x 2,150 5,000type : 8,200 x 2,350 x 2,150 6,000type : 8,200 x 2,350 x 2,150		3000type : 6,455 x 2,745 x 2,440 4000type : 7,455 x 2,745 x 2,440 5000type : 8,455 x 2,745 x 2,440 6000type : 9,455 x 2,745 x 2,440		3,000type : 8,600x3,000x2,510 4,000type : 9,600x3,000x2,510 5,000type : 10,600x3,000x2,510 6,000type : 11,600x3,000x2,510 8,000type : 13,600x3,000x2,510 10,000type : 15,600x3,000x2,510		4,000 x 2,300 x 2,240
Machine Weight	kg	4,810 / 5,500	11,500 / 13,000 / 14,500 / 16,000		12,500 / 14,000 / 15,500 / 17,500		13,500 / 15,500 / 17,500 / 19,500 / 23,500 / 29,500		7,550 (Full Cover Type : 7,850)
Coolant Tank Capacity	ℓ	145 / 200	220 / 270 / 320 / 370		220 / 270 / 320 / 370		220 / 270 / 320 / 370 / 470 / 570		93