

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	3000/4000/5000/6000 /7000/8000/10000			
Capacity									
Swing over Bed	mm	Ø720	Ø1,080	Ø1,180	Ø1,300	Ø1,300	Ø1,300	Ø1,300	Ø1,300
Swing over Cross Slide	mm	Ø480	Ø720	Ø820	Ø930	Ø910	Ø910	Ø910	Ø910
Max. Turning Dia. over Cross Slide	mm	Ø470	Ø700	Ø800	Ø920	Ø900	Ø900	Ø900	Ø900
Max. Turning Dia. over Bed	mm	Ø720	Ø1,000	Ø1,100	Ø1,300	Ø1,300	Ø1,300	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	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) / A2-20 (/ Ø320)	A2-15 (Ø155, Ø255 : 3000-8000 type) / A2-20 (Ø320)	A2-15	A2-15	A2-15
Spindle Through Hole	mm	Ø90	Ø155 / Ø255 / Ø320	Ø155 / Ø255 / Ø320	Ø155 / Ø255 / Ø320	Ø155 / Ø255 / Ø320	Ø155 / Ø255	Ø155 / Ø255	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 / 327	No. 170 / 260	No. 170 / 260	No. 170 / 260
Spindle Ranges	step	Manual 2 steps	Auto 3 steps	Auto 3 steps	Auto 3 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)	40~750 (Ø155) / 30~650 (Ø255) / 20~400 (Ø320)	40~630 (Ø155 : 3000-8000type) / 30~650 (Ø255) / 20~400 (Ø320)	40~400 (Ø155) / 30~400 (Ø255)	40~400 (Ø155) / 30~400 (Ø255)	40~400 (Ø155) / 30~400 (Ø255)
Travel									
X-axis Travel	mm	400	520	570	720	670	670	670	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	3,000 / 4,000 / 5,000 / 6,000 / 7,000 / 8,000 / 10,000	1,100	1,100	1,100
X-axis Rapid Feedrate	mm/min	6,000	6,000	6,000	6,000	6,000	4,000	4,000	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 / 5,000 (6,000 type)	6,000	4,000	4,000	4,000
Tool Post									
Turret Type / No. of Tools	- / pcs	H4 / 4	H4 / 4	H4 / 4	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	Built-in type	-	-	-
Quill Dia. / Quill Stroke	mm	Ø90 / 150	Ø200 / 260	Ø200 / 260	Ø200 / 260	Ø200 / 260, Ø250 / 260 (6000type)	-	-	-
Quill Bore Taper	M.T	No. 5	No. 6	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	3,720	3,720	3,720
Bed Width (Type of Bed)	mm	510 (1bed, 2ways)	700 (1bed, 2ways)	700 (1bed, 2ways)	810 (1bed, 2ways)	900 (1bed, 2ways)	900 (1bed, 2ways)	900 (1bed, 2ways)	900 (1bed, 2ways)
Motor									
Spindle Motor	kW	18.5 / 15	23 / 18.5	55.5 / 37	55.5 / 37	23 / 18.5	23 / 18.5	23 / 18.5	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 / 9.58 (6000type)	3.3 / 5.24, 3.3 / 10.47 (6000type)	3.3 / 5.24	3.3 / 5.24	3.3 / 5.24
Coolant Pump	W	180	250	250	250	180	180	180	180
Bed Lubrication Pump	W	57	57	57	57	57	57	57	57
Spindle Lubrication Pump	W	200	200	200	200	200	200	200	200
Power									
Power Capacity	kVA	35	45	70	70	45	45	45	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	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	4,000 x 2,300 x 2,240	4,000 x 2,300 x 2,240	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)	7,550 (Full Cover Type : 7,850)	7,550 (Full Cover Type : 7,850)	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	93	93	93