

4 JUPITER
Machine Tool

LATHE SERIES

ADVANCED CNC LATHES

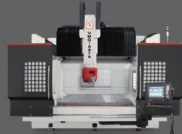


JHL-710M
SIMPLY UNRIVALED

SPECIFICATION	UNIT	JHL-600MYW	JHL-650M	JHL-710M	JHL-800M	JHL-800MY	JHL-1200M	JHL-1200MY	JHL-1700M
Capacity									
Swing Over Bed	in	33.46	22.05	23.62	26.77	35.83	26.77	35.83	26.77
Swing Over Saddle	in	27.56	14.37	17.72	19.69	28.35	19.69	28.35	19.69
Max Turning Diameter	in	11.81	14.96	14.96	16.93	17.72	16.93	17.72	16.93
Max Working Length	in	23.62	18.50	20.08	23.23	24.21	38.98	39.96	58.66
Distance Between Centers	in	23.62	25.59	27.95	31.50	31.50	47.24	47.24	66.93
Bar Capacity	in	2.05	2.05	2.95	3.07	3.07	3.07	3.07	3.07
Chuck Size	in	8	8	10	10	10	10	10	10
Optional Chuck Size	in	-	-	-	12	12	12	12	12
Stroke									
X Axis Stroke	in	6.10 + 0.98	7.87 + 1.18	7.48 + 1.18	9.06 + 1.18	9.06 + 1.18	9.06 + 1.18	8.86 + 1.18	8.46 + 1.18
Y Axis Stroke	in	± 1.97	-	-	-	± 2.76	-	5.51 ± 2.76	-
Z Axis Stroke	in	28.15	23.62	23.23	29.13	30.12	29.13	45.87	64.57
Traverse									
Guideway Type		Box	Box	Box	Box	Box	Box	Box	Box
X Axis Rapid Traverse	ipm	787	787	787	787	787	630	630	630
Y Axis Rapid Traverse	ipm	394	-	-	-	394	-	394	-
Z Axis Rapid Traverse	ipm	984	984	787	984	984	787	787	787
Cutting Feed Rate X / Z Axes	ipm	394	394	394	394	394	394	394	394
Spindle									
Speed	rpm	4,200	4,200	3,000	3,000	3,000	3,000	3,000	3,000
Nose		A2-6	A2-6	A2-8	A2-8	A2-8	A2-8	A2-8	A2-8
Taper		1 / 20	1 / 20	1 / 20	1 / 20	1 / 20	1 / 20	1 / 20	1 / 20
Bore Diameter	in	2.60	2.60	3.62	3.62	3.62	3.62	3.62	3.62
Turret									
Type and Capacity		BMT-65 / 12	BMT-65 / 12	BMT-65 / 12	BMT-65 / 12	BMT-65 / 12	BMT-65 / 12	BMT-65 / 12	BMT-65 / 12
Square Tool Dimensions	in	0.98 x 0.98	0.98 x 0.98	0.98 x 0.98	0.98 x 0.98	0.98 x 0.98	0.98 x 0.98	0.98 x 0.98	0.98 x 0.98
Boring Tool Dimensions	in φ	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57
Indexing Time	s,T-T	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
Tailstock									
Movement Type		-	Manual or Prog.	Manual or Prog.	Manual or Prog.	Manual or Prog.	Manual or Prog.	Manual or Prog.	Manual or Prog.
Body Stroke	in	-	17.72	18.11	20.47	18.50	36.22	34.25	55.91
Quill Movement Type		-	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Quill Stroke	in	-	3.15	3.94	3.94	4.72	3.94	4.72	3.94
Quill Diameter	in	-	2.76	3.54	3.54	3.94	3.54	3.94	3.54
Quill Taper		-	MT4	MT5	MT5	MT5	MT5	MT5	MT5
Max Quill Thrust	lb	-	550	704	704	704	704	704	704
Motor									
Main Motor (cont. / 30min)	hp	15 / 20	10 / 15	20 / 25	20 / 25	20 / 25	20 / 25	20 / 25	20 / 25
Sub-Spindle Motor (cont. / 30min)	hp	10 / 15	-	-	-	-	-	-	-
Axial Servo Motor X / Y / Z	hp	4.0	4.0 / - / 4.0	4.0 / - / 4.0	4.0 / - / 4.0	4.0	4.0 / - / 4.0	4.0 / - / 4.0	4.0 / - / 4.0
Accuracy									
Positioning Accuracy	in / ft	0.000394	0.000394	0.000394	0.000394	0.000394	0.000394	0.000394	0.000394
Repeatability	in	0.000236	0.000236	0.000236	0.000236	0.000236	0.000236	0.000236	0.000236
Hydraulics & Coolant									
Hydraulic Pump Motor	hp	3.0	2.0	3.0	2.0	3.0	2.0	3.0	3.0
Hydraulic Pressure	psi	711	569	711	711	711	711	711	711
Hydraulic Tank Capacity	gal	10.6	7.9	14.5	15.9	15.9	15.9	15.9	15.9
Coolant Motor Output	hp	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Coolant Tank Capacity	gal	31.7	26.4	39.6	47.6	47.6	58.1	58.1	71.3
Lubrication Tank Capacity	gal	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Misc									
Control		Oi-TF	Oi-TF	Oi-TF	Oi-TF	Oi-TF	Oi-TF	Oi-TF	Oi-TF
Power	KVA	25	25	35	35	35	35	35	35
Overall Dimensions (L x W x H)	in	129 x 75 x 79	105 x 69 x 67	134 x 75 x 77	136 x 73 x 79	136 x 84 x 82	152 x 73 x 79	152 x 84 x 82	171 x 73 x 79
Machine Weight	lb	13,200	8,800	11,440	13,090	12,980	14,520	13,410	16,720



VMC



5-Axis Gantry VMC



Tapping Center



HMC



Lathe



Bridge Mill

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Not all models available in all markets. All specifications subject to change without notice.
 Contact your local Jupiter Machine Tool representative for up-to-date information.

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