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21 JUPITER
Machine Tool

JBM & JGM SERIES

BRIDGE AND GANTRY MILLS



21 JUPITER
Machine Tool
JBM-24418

JBM-24418

SIMPLY UNRIVALED

BRIDGE MILLS	UNIT	JBM-8759	JBM-10659	JBM-12659	JBM-16559	JBM-8779	JBM-10679	JBM-12679	JBM-16579
Worktable									
Dimension X	in	78.74	98.43	125.98	165.35	78.74	98.43	118.11	157.48
Dimension Y	in			47.24				62.99	
Max Load	lb	8,800	11,000	13,200	17,600	17,600	19,800	22,000	26,400
Machining Range									
Travel - X Axis	in	86.61	106.30	125.98	165.35	86.61	106.30	125.98	165.35
Travel - Y Axis	in			59.06				78.74	
Travel - Z Axis	in			29.92				39.37	
Distance b/w Columns	in			59.06				78.74	
Spindle									
Speed	rpm	CAT-40 : 12,000 / 15,000 CAT-50: 8,000 / 10,000 CAT-50 Gear Head : 6,000							
Diameter	in	CAT-40 : 2.76 CAT-50 : 3.94							
Traverse									
X Axis Rapid Traverse	ipm	787	591	591	591	787	591	591	591
Y Axis Rapid Traverse	ipm	787	787	787	787	787	787	787	787
Z Axis Rapid Traverse	ipm	591	591	591	591	394	394	394	394
Cutting Feedrate	ipm	394	394	394	394	295	295	295	295
Tool Magazine									
Capacity	tools	40	40	40	40	40	40	40	40
Max Tool Length	in	CAT-40: 9.84, CAT-50: 13.78							
Max Tool Diameter (w/ adj)	in	CAT-40: 2.95, CAT-50: 4.92							
Max Tool Diameter (w/o adj)	in	CAT-40: 4.92, CAT-50: 8.46							
Max Tool Weight	lb	CAT-40: 15.4, CAT-50: 44							
General									
Power Supply	KVA	50	50	50	50	50	50	50	50
Overall Dimensions (L)	in	245	285	324	404	248	287	327	413
Overall Dimensions (W x H)	in	174 x 156				195 x 201			
Weight	lb	28,600	41,800	48,400	57,200	50,600	55,000	61,600	72,600
Positioning Accuracy	in / ft	± 0.000197 per foot , ± 0.000591 total length							
Repeatability	in	± 0.000118							
BRIDGE MILLS	UNIT	JBM-12698	JBM-16598	JBM-20598	JBM-24498	JBM-165118	JBM-205118	JBM-24418	
Worktable									
Dimension X	in	118.11	157.48	196.85	236.22	157.48	196.85	236.22	
Dimension Y	in			78.74			98.43		
Max Load	lb	26,400	33,000	39,600	44,000	39,600	48,400	55,000	
Machining Range									
Travel - X Axis	in	125.98	165.35	204.72	244.09	165.35	204.72	244.09	
Travel - Y Axis	in			98.43			118.11		
Travel - Z Axis	in			39.37			39.37		
Distance b/w Columns	in			98.43			118.11		
Spindle									
Speed	rpm	CAT-40 : 12,000 / 15,000 CAT-50 : 8,000 / 10,000 CAT-50 Gear Head : 6,000				CAT-50 : 8,000 / 10,000 CAT-50 Gear Head : 6,000			
Diameter	in	CAT-50 : 3.94							
Traverse									
X Axis Rapid Traverse	ipm	591	591	591	591	591	591	591	
Y Axis Rapid Traverse	ipm	591	591	591	591	591	591	591	
Z Axis Rapid Traverse	ipm	394	394	394	394	394	394	394	
Cutting Feedrate	ipm	295	295	295	295	295	295	295	
Tool Magazine									
Capacity	tools	40	40	40	40	40	40	40	
Max Tool Length	in	CAT-40 : 9.84 , CAT-50 : 13.78							
Max Tool Diameter (w/ adj)	in	CAT-40 : 2.95 , CAT-50 : 4.92							
Max Tool Diameter (w/o adj)	in	CAT-40 : 4.92 , CAT-50 : 8.46							
Max Tool Weight	lb	CAT-40 : 15.4 , CAT-50 : 44							
General									
Power Supply	KVA	65	65	65	65	65	65	65	
Overall Dimensions (L)	in	329	413	494	581	433	512	591	
Overall Dimensions (W x H)	in	215 x 201				234 x 207			
Weight	lb	72,600	83,600	99,000	114,400	94,600	110,000	125,400	
Positioning Accuracy	in / ft	± 0.000197 per foot , ± 0.000591 total length							
Repeatability	in	± 0.000118							
GANTRY MILLS		JGM-15739			JGM-157549				
Max Table Load	lb / ft²		400			400			
Travel - X Axis	in		157.48			1574.80			
Travel - Z Axis	in		39.37			49.21			
Distance b/w Columns	in		78.74			196.85			
C Axis Range	deg		± 185°			± 185°			
A Axis Range	deg		+ 95° ~ -120°			+ 95° ~ -120°			



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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