

Mega 1600 Specifications	With Pallet Shuttle		Without Pallet Shuttle	
Capacities				
X-Axis travel	3300 mm	129.9 in	2500 mm	98.4 in
Y-Axis travel (fixed spindle)	2100 mm	82.6 in	2100 mm	82.6 in
Y-Axis travel (live spindle)	2000 mm	78.7 in	2000 mm	78.7 in
Z-Axis travel	2000 mm	78.7 in	2000 mm	78.7 in
Maximum workpiece swing	3000 mm	118.1 in	3000 mm	118.1 in
Maximum workpiece height	2000 mm	78.7 in	2600 mm	102.4 in
Machine Accuracies (ISO 230-2 97)				
Bidirectional accuracy A	0.008 mm		0.00032 in	
Bidirectional repeatability R	0.005 mm		0.0002 in	
NC Rotary Table				
Clamping surface	1600 x 1250 mm (1250 x 1250 mm)	63 x 49.2 in (49.2 x 49.2 in)	1600 x 1250 mm	
Allowable load	7,000 kg	15,430 lb	15,000 kg	
Number of positions	360,000			
Index rate	6 rpm		63 x 49.2 in	
Positioning accuracy A	10 arc sec		33,100 lb	
Positioning repeatability	5 arc sec			
Standard Spindle				
Power (Continuous/S 6-40%)	37/46 kW		50/61.5 hp	
Spindle speed	10 - 6000 rpm (10,000, 12,000 rpm or 4000 rpm live spindle)			
	#50 ANSI B5.50 (SK 50 DIN 69871-1, HSK 100)			
Coolant through-spindle	70 bar		1015 psi	
Feed Rate/Rapid Traverse				
	32 m/min		1260 ipm	
Tool Magazine				
Number of tool positions	100 (150, 200)			
Tool diameter (full/2 empty adjacent)	125/325 mm		4.9/12.8 in	
Tool length	650 mm		25.6 in	
Tool weight	40 kg		88 lb	
Power Requirements				
	460 Volt, 3 phase, 60 hz			
Floor Space Requirements				
L x W x H	13.1 x 11.1 x 4.8 m	49.9 x 36.5 x 15.6 ft	8.5 x 8.0 x 4.8 m	27.9 x 26.3 x 15.6 ft
Weight - approximate	47,600 kg	104,800 lb	47,600 kg	104,800 lb