

# MACHINE SPECIFICATIONS

# SUPER TURBO-X 510 MK III RTC



2D Specifications		2.5kW	4.0kW
Machine Structure		Hybrid	
Maximum Workpiece Dimensions		60.04 in x 120.07 in	
Maximum Workpiece Weight		1,786 lb	2,050 lb
Machine Travels	X axis	128.34 in	
	Y axis	60.82 in	
	Z axis	19.685 in	
Work Table Height		35.43 in	
Maximum Material Thickness *	Mild Steel	0.750 in	0.875 in
	Stainless Steel	0.315 in	0.394 in
	Aluminum	0.236 in	0.315 in
Motion Drive System Design	X, Y axis	Digital Servo Drive and Ball Screw	
	Z axis	Digital Servo Drive and Belt	
Number of Control Axes		3	
Rapid Travel Speed	X, Y axis	945 ipm	
Positioning Accuracy	X, Y axis	0.0004 in/19.7 in	
	Z axis	0.0004 in/3.94 in	
Repeatable Accuracy	X, Y axis	0.0002 in	
Maximum Processing Feedrate	X, Y axis	945 ipm	
Total Electrical Requirement		58.9 kVA	82.7 kVA
Installation Dimensions	W x D	356 in x 197 in	
Machine Unit Dimensions	W x D x H	311.02 in x 114.17 in x 94.49 in	
Machine Unit Weight		28,380 lbs	
CNC Type		MAZATROL Preview	
CPU		64 bit	
Display Screen		15 in Color Liquid-Crystal Display (TFT type)	
Memory Capacity		20 GB (program storage capacity: 10 GB)	
Position Detection System		Encoder	
Minimum Command Unit		0.0001 in	
Program Input System		EIA/ISO	

\* Material cutting thickness is dependent on many factors including material specifications, condition and machine parameters.  
All specifications are subject to change.