

# Falcon Fiber

## Technical Specifications



BASE FALCON MACHINE 3300W | 4000W | 6000W | 8000W **M510 | M513**

Item	Specification	Unit
Cutting Table Size (X x Y)	120 x 60   156 x 60	in
X-axis stroke	121   157	in
Y-axis stroke	61	in
Z-axis stroke	3.9	in
Maximum positioning speed for X-axis and Y-axis	5550	in/min
Maximum positioning speed Z-axis	590	in/s <sup>2</sup>
Maximum sheet weight capacity	2200	lbs.
Positioning accuracy	±0.001	in
Drive Motors	AC Servo	3-axis
Electrical Requirements	480V 3-Phase 60Hz	USA
Machine weight	23100   28000	lbs.
Machine dimensions (L x W x H)	23x17x7½   28x17x7½	ft

### DUST COLLECTOR

Item	Specification	Unit
Nominal air flow rate	1500	CFM
Max. compressed air inlet pressure	7	bar
Min. compressed air inlet pressure	6	bar
Noise level	<75	dB(A)
Dust collector weight	1500	Lbs.
Dust collector dimensions (L x W x H)	55 x 60 x 90	In
Max. power consumption	12	Amps

### ELECTRICAL INSTALLATION REQUIREMENTS

Item	Specification	Unit
Power supply	3-Phase 480	V
Max. voltage fluctuation	±5	%
Net frequency	60	Hz
Laser Source (Example: 4000 Watt)	27	Amps
Laser Motion System	42	Amps
<b>Total Amps for Laser and Motion System</b>	<b>69</b>	<b>Amps</b>

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