



Speedy 100 flexx - Technical Specifications

• Mechanics

Working area	24" x 12" / 610 x 305 mm
Max. height of work piece	6,7 inch / 170 mm with 1.5 inch lens 6,2 inch / 157 mm with 2.0 inch lens 5,7 inch / 144 mm with 2.5 inch lens 5,2 inch / 132 mm with 2.85 inch lens 5,0 inch / 125 mm with 3.2 inch lens 3,2 inch / 80 mm with 5.0 inch lens
Max. engraving speed	110 inch/sec / 280 cm/sec. CO ₂ laser 78 inch/sec. / 200 cm/sec. fiber laser
Cutting speed	depending on material, thickness, laser power
Motor	Brushless DC servo
Encoder	Increment
Work piece table	Solid metal (Ferro-magnetic)
Max. load of work piece table	22 lbs / 10 kg
Lenses	2.85 inch (standard); 1.5 inch, 2.0 inch, 2.5 inch, 3.2 inch, 5.0 inch (optional)
Standard	Laser pointer (655nm, < 0,99mWcw), Ferro-magnetic table, 2.85" lens, USB connection, Interchangeable exhaust connector, JobControl X Expert
Options	Electro-Optic Autofocus, Honeycomb Cutting Table, Rotary Attachment, Air Assist including Compressor, Stand with Storage Area, Laser Power Upgrade, MCI Pad Production, Data import MAC

• Control System

Software	JobControl X
Laser power	Adjustable from 0 - 100% (typically 10-100%)
Interface Hardware	RS-232-C: Data Rate 19.200 -115.200 Baud USB: Data Rate 460.800 Baud
Interface Software	JobControl, HPGL

• Laser Equipment

Laser tube	Sealed off CO ₂ Laser, maintenance-free, Laser Power 40 - 60 W, air-cooled Pulsed fiberlaser, maintenance free Laserpower: 10W, 20W, 30W
Wavelength	10,6µm CO ₂ , 1064 nm fiber





• **Dimensions**

Width/Depth/Height	39" x 31" x 39" / 982 x 780 x 975 mm
Weight	Approx. 80 kgs / 176 lbs (depending on laser power)
Ambient conditions	Mandatory ambient temperature +15° to +25° C or 59° to 77° F Humidity 40% to max. 70%, not condensing Dust free environment (2nd degree according to IEC 60947-1)

• **Laser Safety**

Laser class	CDRH Laser Safety Laser Class 2(M) CE compliant, FDA approved
Interlock	Double Interlock safety system

• **Exhaust**

Required	Atmos Compact resp. Atmos Mono or equivalent
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• **Electrical Equipment**

Power consumption	Approx. 1,3 kW (45 W laser tube)
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Subject to change without notice. Errors and omissions excepted.

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