

Speedy 100 cross

Laser engraving system

Mechanics

Working area	610 x 305 mm (24 x 12 inch)
Loading area	690 x 305 mm (27.1 x 12 inch)
Max. height of work piece	157 mm (6.2 inch) with 50 mm lens
Working table	Ferromagnetic engraving table, honeycomb cutting tabletop
Max. processing speed	2.8 m/s (110 ips)
Acceleration	40 m/s ² (1575 ips ²)
Motors	Brushless DC servo motors
Encoder	Incremental measuring system
Optical elements	Telescope, lens and mirrors
Lens	50 mm
Accuracy	+/- 0.015 mm (0.0006 inch), over the whole working area
Addressable accuracy	5 µm (0.0002 inch)
Accuracy to size of parts	According to material and process and temperature
Maximum material load	10 kg (22 lbs), load over the whole working area
Interface	Ethernet

Standard Features

Lens	50 mm
InPack Technology™	Protects working head and all moving parts from dust
Exhaust	Prepared for extraction of the working area
Software	Ruby®
Operating console	Touchpanel, keypad, safety-switch, system turnkey
Laser Pointer	655 nm, <0,99 mWcw
Autofocus	Automatic focussing via light barrier (for use with standard lens)
Work area light	LED bar

Air Assist	System for blowing compressed air
Other standard equipment	OptiMotion™, smart electronics, protected laser beam

Options

Temperature sensor	Temperature monitoring inside / working area
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Accessories

Rotary attachment	Available with conus, three-jaw chuck, three-jaw ring chuck or drill chuck
Trolley	Mobile with storage shelf
TroCare	Comprehensive package of technical services
Exhaust Systems	Atmos Cube, Atmos Pure 300

Laser

Laser system	Semiconductor laser, maintenance free, air cooled, wavelength 450 nm
Laser power	40 W

Dimensions & Weight

Width x Depth x Height	1018 x 779 x 457 mm (40 x 30.7 x 18 inch)
Weight	Approx. 91 kg (201 lbs)
Width x Depth x Height (with Trolley)	1018 x 779 x 994 mm (40 x 30.7 x 39.1 inch)
Weight (with Trolley)	Approx. 118 kg (260 lbs)

Safety & Environment

Laser class	CDRH laser class 2
Interlock	Double Interlock safety system
Ambient conditions	Mandatory ambient temperature +15 °C to +25 °C or 59 °F to 77 °F Humidity 40 % to max. 70 %, not condensing. Dust free environment (2nd degree according to IEC 60947-1)
Certificates	CE compliant, FDA listed

Exhaust Requirements

Exhaust working point	Min. 200 m³/h at 1.000 Pa (Min. 117.7 cfm at 4.015 in H₂O)
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Cooling

Air cooling

Active air flow cooling with fan

Electrical

Voltage & power consumption

1 ~ AC 110-230V 50/60Hz, 800W

Subject to change without notice.

Errors and omissions excepted.

Model identification Speedy 100BL-8090

Oktober 2024