

Speedy 50

laser engraving system

Mechanics

Work surface	457mm x 305 mm (18 x 12 inches)
Max. workpiece height	140.9 mm (5.5 inches) with 1.5 inch lens 128.2 mm (5.0 inch) with 2.0 inch lens 115.5 mm (4.5 inch) with 2.5 inch lens
Processing table	Ferromagnetic metal table
Max. processing speed	1.5 m/s (60 ips)
Max. acceleration	35 m/s ² (1378 ips ²)
Motor	Stepper motor (Y+Z) + brushless DC servo motor (X)
Encoder	Incremental measuring system
Optical elements	Telescope, lens and mirror
Lenses	1.5 inch, 2.0 inch, 2.5 inches
Repeat accuracy	+/- 0.015 mm (0.0006 inch), over the entire work surface
Addressable accuracy	5 µm (0.0002 inch)
Accuracy to size of parts	According to material and process
Max. load on the processing table	8.5 kg (18.7 lbs), load over entire work surface
Interface	Ethernet

Standard equipment

lens	2.0 inches
Software	Ruby®
Exhaust system	for entire working area
Operating console	Keypad, key switch, emergency stop switch; PC and monitor not included
Laser pointer	655 nm, <0.99 mWcw
Air assist	Set of valve and pump
Other standard equipment	OptiMotion™, smart electronics, protected laser beam, quick change table, quick-change laser tube

Accessories

Rotary engraving attachment	Available with cone, three-jaw chuck drill chuck
Trolley base	Trolley base or integrated (ride on) exhaust system

Tabletop

Honeycomb cutting table

TroCare

Customized service package

Laser machine

Laser system

Sealed-off CO₂ laser machine, maintenance-free, air-cooled, wave length 10.6 µm

Laser power

30 W

Dimensions & weight

Width x height x depth

726 x 447 x 672 mm (28.6 x 17.6 x 26.5 inches)

Weight

approx. 53 kg / 117 lbs

Safety & environmental conditions

Laser class

CDRH laser class 2

Interlock

double interlock safety system

Environmental conditions

Mandatory ambient temperature +15° to +25° C Humidity 40% to max. 70%, non-condensing
Dust-free environment (2nd degree in accordance with IEC 60947-1)

Conformity

CE compliant, FDA listed

Exhaust system

Working point of the exhaust system

Min. 200 m³/h at 1,000 Pa (min. 117.7 cfm at 4.015 in H₂O)

cooling

Air cooling

Active cooling with ventilators

Electrics

Power requirement

1 ~ AC 110-240V 50-60Hz, 800 W

Subject to change without notice, errors and omissions reserved. Model identification 8087
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