

Scanner Specifications

Scan characteristics

Scan dimensions (maximum)	To 25 mm in largest dimension ¹ Approx Arm delivery w/ 5.0FL 5mm beam is 20 mm max Approx Fiber delivery w/2.5FL 5mm beam is 13mm max
Scan patterns available	Square, Rectangle, Parallelogram, Circle ² , Donut, Hexagram, Line, cut
Scan pattern size limits	Adjustable in 1 mm steps from 1 mm to 25mm
Dwell time (CW input)	100 usec. to 9.9 msec.
Scan overlap range	-30% to + 30% continuously adjustable
Mirror primary wavelength	CO2
Aiming beam mirror coatings	620-670 nm

Input

Laser	Luxar or Arm delivered
Electrical	90 VAC to 240 VAC, 1.6 amp max., 50/60 Hz
Max Power	100 Watts
Max Beam Diameter	<5mm

Controls

Scan control pad	Tactile touch pad, moisture resistant
Controller	Full 8 bit Dual processors, on-board memory
Laser foot switch	Connects to Driver box
Laser firing	From signal generated by Driver box

Integration

Footswitch	Simple connection to adapter cable
Laser Input	Screw-in threaded adapter

Safety Features

Spike pulse suppressor	Built in software eliminates laser spikes from CW lasers associated with initial laser firing
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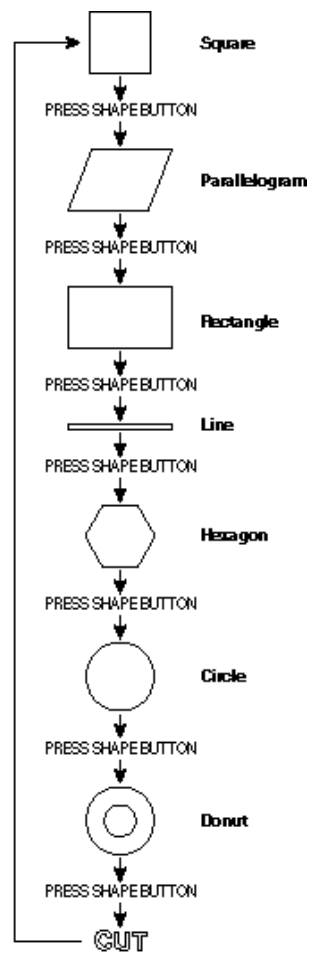
Options

Quantity orders	Custom labeling available - contact factory
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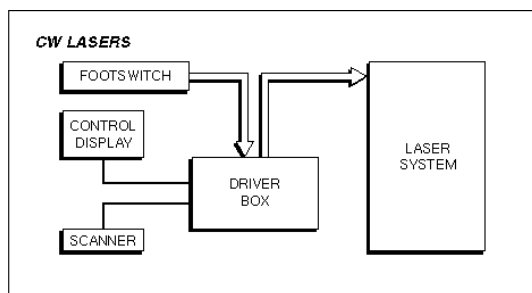
¹ NOTE: shape dimensions are not limited to a few factory presets but are continuously variable and are only limited to the largest clear aperture and output optic.

²Circle will actually be a compiling of many flat sides.

Scan Patterns Available



Configurations



NOTE: Scanning control can be integrated into an OEM laser system, contact factory



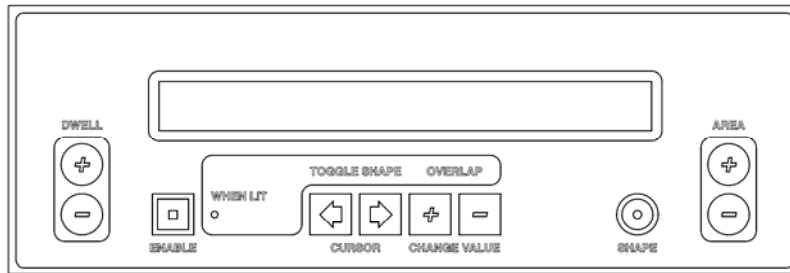
Scanner shown with '5-start' arm adapter installed
(Snap-On cone tip removed to show output lens location)



Hand piece cable and AC cord



Typical Footswitch adapter cable assembly



Control Panel layout



Generic Control and Driver box shipped attached to mounting bracket for easy attachment to front of laser chassis (vertically) - Rubber O-ring securely holds and protects the scanner when not in use

Optional Scanner Configuration



Optional Modifications Available

- Custom hand piece cone tips
- Custom input adapters
- Scanner integration into laser system (OEM customers only)
- Alternative wavelength optics

Contact Factory for quotation on nonstandard configurations