Matthews Marking Systems™

e-SolarMark+ Fiber Laser Coding System

The Matthews e-SolarMark+ Fiber laser coding system is designed to provide contrasting marks onto a variety of metals and plastics, including HDPE, OPP film, ABS, stainless steel, brass and titanium. Suitable for a variety of industries, the fiber laser is ideal for food and beverage, pharmaceutical, automotive, and building applications.

Matthews laser coding systems provide many interface options to connect to remote devices such as PLC's, packaging equipment, and material handling equipment. Our lasers have the greatest focal distance, allowing the laser to be mounted farther away from production lines. There are two control interface models (network or 15" color touch screen) and Matthews provides free message design software with every laser system purchased.

FEATURES

+ High-speed, vector quality coding of metalized materials
+ Optional pulse mode performance
+ Elimination of solvent and ink consumables

Communication

+ USB/RS232/Ethernet 10 Base T
+ Input/output connector for: system interlocks, remote start/stop, ready, marking, status signals, and remote key switch connection
+ SolPad job edition software available for Windows XP, Windows 7

Languages

+ Language versions:

English	Italian
Chinese	Dutch
French	Polish
German	Swedish
Spanish	Portuguese

## Options

+ Red laser pointer for marking position preview
+ Product detector and shaft encoder
+ Fumes/dust extractor (with active carbon and HEPA filter)
+ Multiple user interface options (network, touch screen)
+ Optional Air Cooling
+ Dynamic Focus Module
+ Custom and standard enclosures

1.06 µM Wavelength	
	Pulse Mode
Laser Output Power	20W, 30W, 50W, 100W
Electrical Requirements	115V 60Hz/230V 50Hz, Single Phase15
Power Consumption	450W, 450W, 450W, 700W
Cooling	Integrated fans: at ambient temperature 50–104°F (10–40°C) Up to 90% non-condensing
Operating Environment	Ambient temperature 41° - 104° F (5 - 40° C) Humidity up to 80% non-condensing
Enclosure Type	IP52, NEMA 12
Dimensions and Weight	Control Unit: 15.4" L x 18.3" W x 8.1" H (390mm L x 464mm W x 207mm H) 33 lb. (15 kg) Marking Unit: 19.5" L x 4.3" W x 4.8" H (495mm L x 108mm W x 122mm H)* 11 lb. (5 kg)

Standard Print Quality			
Lens Type	F-Theta		
Marking Field (in mm)	LF60	LF100	LF150
	60x60	100x100	150x150

High Print Quality					
Lens Type	F-Theta				
Marking Field (in mm)	LF60	LF100	LF150	LF220	LF300
	60x60	100x100	150x150	220x220	300x300

80   97

510

60   68

B

Marking Field
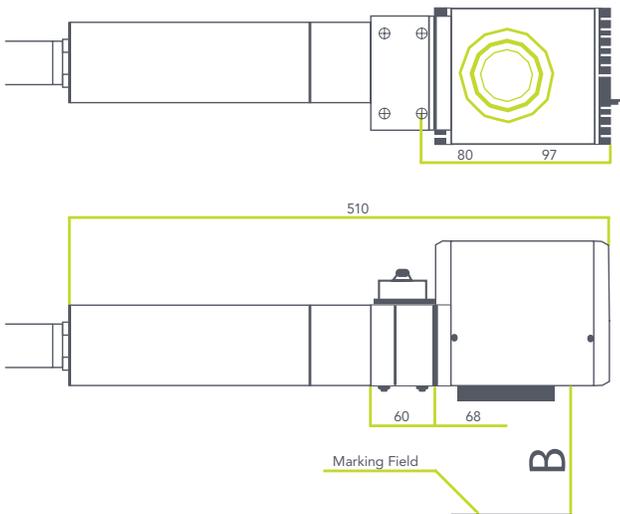
All dimensions are approximate and dependent on final scanning head configuration. Dimensions are specified in millimeters unless otherwise noted. Refer to the manual for complete list of dimensions.

CE AND CDRH COMPLIANT

DANGER

Invisible Laser Radiation
Avoid Eye or Skin Exposure to Direct or Scattered Radiation

CO₂ Laser

10,600nm, 150W Max   Class IV Laser Product

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matthewsmarking.com