

MATTHEWS

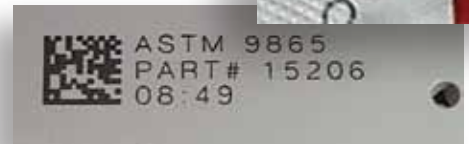
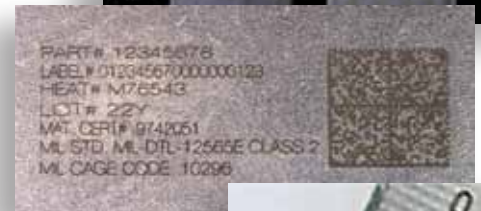
eSolarMark Fiber

Fiber Laser Coding System for Marking Metals, Films, and Plastics

- High speed, vector quality coding of metalized materials
- Permanent coding of text, date and time codes, serial numbers, barcodes and 2D codes, and graphics
- Optional continuous or pulse mode performance
- Laser coding requires no ink/solvent consumables for a lower overall cost of ownership
- Clean and eco-friendly coding system

The Matthews eSolarMark fiber laser coding systems are designed to provide contrasting marks onto a variety of plastics and metals, such as HDPE, OPP film, ABS, stainless steel, and titanium. Some packaging applications include food and beverage pouches, candy wrap, and cosmetics and pharmaceutical containers. The fiber laser is also well suited for other industrial applications, such as automotive and building materials.

The Matthews laser coding systems provide many interface options to connect to remote devices such as PLC's, packaging equipment, material handling equipment, and many other peripheral devices used in the manufacturing environment. Matthews' laser systems have the greatest focal distance, allowing the laser to be mounted further away from production line obstructions, and they are capable of running in static or dynamic mode. There are three control interface models (network, keyboard, or 10.4" color touch screen) and Matthews provides free message design software with every laser system purchased.



eSolarMark Fiber		10.6 μm Wavelength	
	Continuous Mode	Pulse Mode	
LASER OUTPUT POWER	5W, 10W, 20W	10W, 20W, 30W, 50W	
ELECTRICAL REQUIREMENTS	115V 60Hz/230V 50Hz, Single Phase	115V 60Hz/230V 50Hz, Single Phase	
POWER CONSUMPTION	400W	400W	
COOLING	Integrated fans: at ambient temperature 41 - 104 F (5 - 40 C) Up to 100% of laser duty cycle	Integrated fans: at ambient temperature 41 - 104 F (5 - 40 C) Up to 100% of laser duty cycle	
OPERATING ENVIRONMENT	Ambient temperature 41 - 104 F (5 - 40 C) Humidity up to 80% non-condensing	Ambient temperature 41 - 104 F (5 - 40 C) Humidity up to 80% non-condensing	
ENCLOSURE TYPE	IP52, NEMA 12	IP52, NEMA 12	
DIMENSIONS AND WEIGHT	Control Unit: 15" L x 16.5" W x 7.3" H (380 mm L x 420 mm W x 185 mm H) 33 lb. (15 kg) Marking Unit: 12.3" L x 4.3" W x 4.8" H (312 mm L x 108 mm W x 122 mm H) 6.6 lb. (3 kg)	Control Unit: 15" L x 16.5" W x 7.3" H (380 mm L x 420 mm W x 185 mm H) 33 lb. (15 kg) Marking Unit: 19.5" L x 4.3" W x 4.8" H (495 mm L x 108 mm W x 122 mm H) 11 lb. (5 kg)	

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.
- SolMark II job edition software available for Windows XP, Windows 7

LANGUAGES

- Different language versions available: English, Chinese, French, German, Spanish, Italian, Dutch, Polish, Swedish, and Portuguese

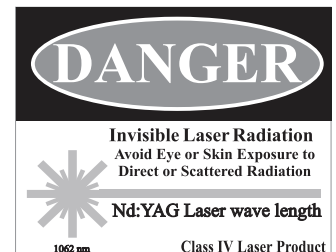
MARKING SPECIFICATIONS

Lens type	F-Theta		
Marking Field in mm	LF3	LF4	LF6
	70 x 70	100 x 10	150 x 150

OPTIONS

- Red laser pointer for marking position preview
- Product detector and shaft encoder
- Fumes/dust extractor (with active carbon filter)
- Multiple user interface options (network, keyboard, touch screen)
- Custom and standard enclosures

CE and CDRH Compliant



Matthews Marking Products continually improves products. The right, therefore, is reserved to alter the design and/or specifications without giving prior notice.



Matthews Marking Products

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