Matthews

eMark

Economical and Versatile CO2 Laser Coding System

- Economical laser coding at CIJ pricing
- Multi-lens positioning and small footprint for flexible mounting options
- Vector quality, permanent coding of text, date and time codes, serial numbers, barcodes and 2D codes, and graphics
- Laser coding requires no ink/solvent consumables for a lower overall cost of ownership
- Clean and eco-friendly coding system

The Matthews eMark 10 watt CO_2 laser coding system can permanently code a variety of substrate materials such as coated paper, plastics, and glass, making it a very versatile coding system for many industries. With its inexpensive system price, this laser is a good alternative to conventional small character inkjet technologies for manufacturers looking to code their products.

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 farther 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.

eMark CO$_2$	10.6 µm Wavelength
LASER OUTPUT POWER	10W
ELECTRICAL REQUIREMENTS	115V 60Hz/230V 50Hz (auto adjustable)
POWER CONSUMPTION	400W
COOLING	Integrated cooling fans - Electric
OPERATING ENVIRONMENT	Ambient temperature 41-104ºF (5-40ºC) Humidity up to 80%, non-condensing
ENCLOSURE TYPE	IP 52, NEMA 12
WEIGHT AND DIMENSIONS	33 lbs. (15 kg) See Dimensions Below

COMMUNICATION

- USB/Ethernet 10 Base T Port
- SolMark II design software available for Windows XP and Windows 7
- Discrete Inputs/Outputs for system interlock, status and layer selection mode.
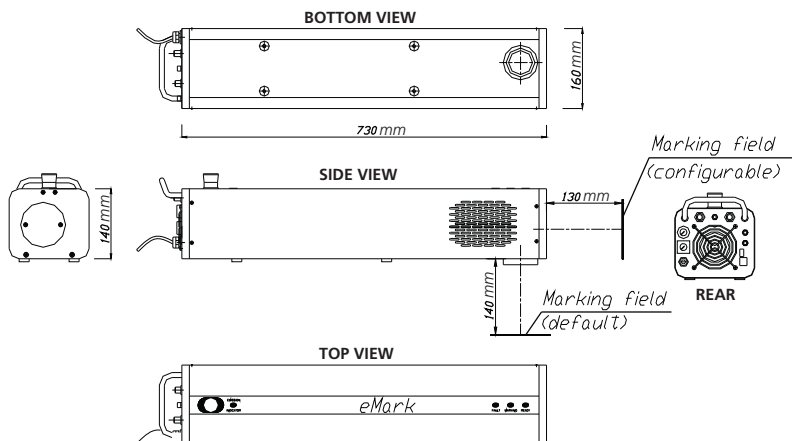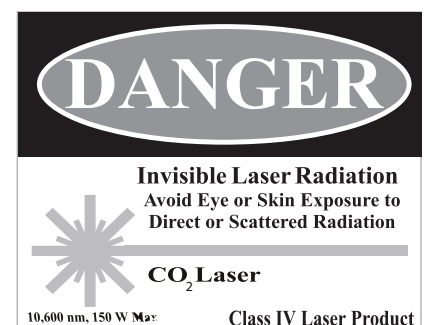
OPTIONS

- Handheld terminal for local control
- Safety enclosure with product detector holder
- Rugged T-Base stand for quick installation
- WiFi ready when USB device is used
- Shaft encoder with mechanical holder and wheel
- Product detector
- File selection hand switch
- External air blower for cooling in harsh environment
- Fume/Dust extractor with active carbon filter

LANGUAGES

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

DIMENSIONS (All dimensions specified in mm's unless otherwise noted)

CE and CDRH Compliant

DANGER

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

CO$_2$ Laser

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

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

Matthews INTERNATIONAL
BRAND SOLUTIONS

SOLARIS S.A. LASER