

## DATASHEET

# e-SolarMark HD

High speed laser coding for the harshest environments.

### e-SolarMark HD High Speed Vector coding systems

It is the solution for creating high speed and high quality, permanent laser codes of alphanumeric texts / dates / timers, serial numbers on the products and packages.

It is an ideal tool for a wide range of materials and production line speeds for beverage and other harsh environment industrial sectors.

Designed and manufactured by Solaris Laser, the industry leader in high quality laser systems for over 20 years.

### e-SolarMark HD is designed for the Harshest Environments

The complete system is protected according to IP65/NEMA4 standards, for providing the highest performance and reliability in wet conditions, high temperatures or dusty production line environments.

Easily control the Solaris laser with its new touch screen interface on the production or remotely via PC or PLC.

Multi-language quick steps software allows easy operator access to preview and edit functions. The intuitive installation wizard allows to fast machine set up.

### e-SolarMark HD is Flexible

e-SolarMark HD systems offer choice of configuration to fit into the most demanding production lines. Its compact design makes the system convenient and safe to install.

Range of marking units for installations in confined space: monoblock or with separated scanning head.

Selection of single head or twinhead systems allows multiple printing heads operation under one master control unit.

Choice of laser types helps to optimize the solution for various production line speeds and packaging materials.

### e-SolarMark HD offers Great Performance

The e-SolarMark HD is delivered with a very powerful Solaris Laser high speed scanning head technology. Optimized optical parameters and superb software performance, the system is the fastest in its class, being able to code up to 100,000 products per hour of triple line code.



## Technical Specifications

### Laser Type

- Power class 30W to 100W

### Marking Field

- From 50x50mm (4x4in)  
up to 200x200mm (8x8in)

### Fonts

- Multi-language,  
including unicode

### Software

- Job editor for Windows XP, Vista, 7, 8
- Web interface for system configuration and control

### User Interfaces

- Multi-language touch screen with user friendly intuitive interface for preview, edit & new jobs creation and system setup

### Communication

- RS232
- USB
- Ethernet 10 Base T

### Electrical Requirements

- 115V / 230VAC
- 50/60HZ
- 1 Printhead

### I/O Signals for Installation

- Shaft encoder
- NPN/PNP Product detector inputs
- Remote interlock
- Key switch
- Safety shutter control system ready
- Fault outputs

### Cooling

- Water cooling
- IP65 (NEMA4)

### Ambient Temperature

- 10–45°C (50–113°F)
- Suggested 15–30°C (69–86°F)

### Humidity

- Up to 99%
- Non-condensing

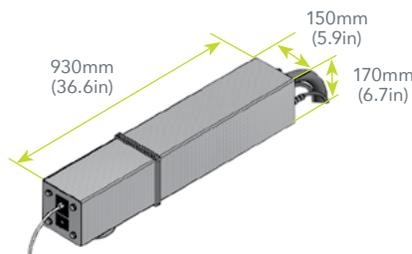
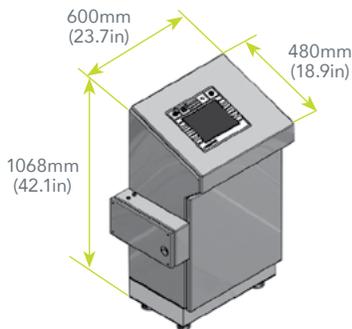
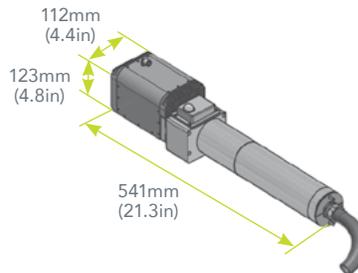
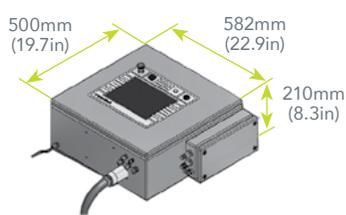
### Safety

- Class 4, according to EN 60825-1

### Weight

- Control unit: 25kg–67kg (55lb–148lb)
- Marking unit: 17kg–58kg (37lb–128lb)

## Dimensions



## Optional Configuration

- Straight head laser beam output
- Flexible beam delivery system
- Remote preventative diagnostics
- Conduit length extension

Specifications are subject to change without notice as products are continually improved.  
CE and CDRH Compliant



Solaris Laser S.A.  
LIA member since 1996

