

e-SolarMark+ FL

High-speed fiber laser marking and coding systems



The latest generation of well known vector marking and coding

- The high speed and quality solution for permanent laser codes of alphanumeric texts / dates / timers, serial numbers, barcodes, 2D codes and graphics on products and packages.
- e-SolarMark+ FL fiber laser system is an ideal tool for metals, plastics and other hard to mark materials at various production line speeds for all packaging and industrial sectors.
- Legendary life time of the fiber laser source in combination with industrial experience of Solaris Laser, create maintenance free, long lasting reliable solution.



Automotive



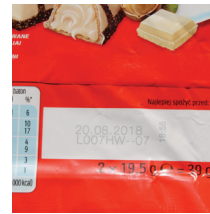
Tools



Electrical



Construction



Food



Cosmetic/Chemical



Easy to run

- The innovative Solaris Laser interface makes possible to operate the system simply, with assistance of new, user friendly 15-inch touch screen control panel or remotely from anywhere.
- Multilanguage quick steps software allows easy access to preview and edit functions. Intuitive installation wizard helps in fast machine set up.
- System designed for easy implementation into new or existing production lines. Compact size makes the system convenient to install.

Flexible

- With a choice of control panel versions, different laser power sources and printing areas, e-SolarMark+ FL offers the right configuration for various market demands.
- I/O signals enable to control and diagnose the system remotely by local production line supervisors or external web servers.
- Multiple printing heads can now be operated under one master control panel.

Great performance

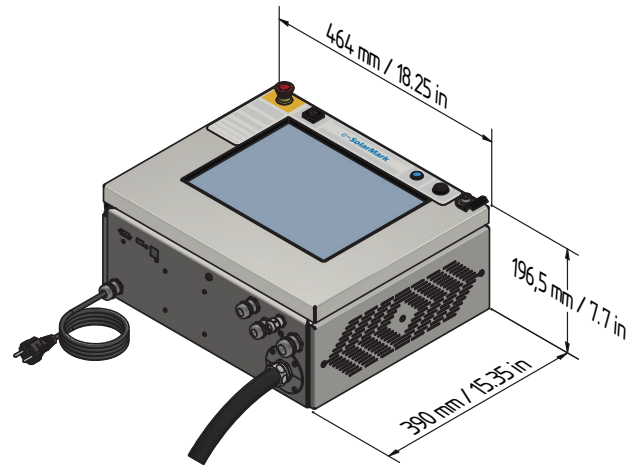
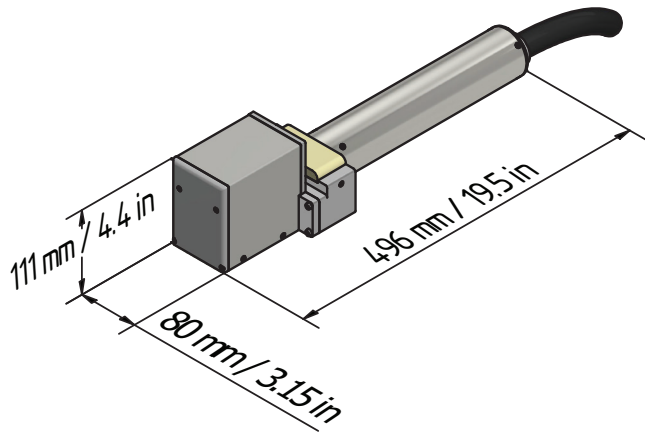
- The e-SolarMark+ FL includes a very powerful Solaris Laser high speed scanning head technology enhanced DIGITAL (eDIGITAL). With optimised optical parameters and superb software performance, the system is the fastest in its class, up to 40% faster than market standards.



SOLARIS LASER

a **DOVER** company

e-SolarMark+ FL specifications



Laser type	Fiber active q-switched, Power class 10W to 100W
Marking field	From 50x50mm / 4x4" / up to 300x300 mm (12x12")
Fonts	Multilanguage, including Unicode
Software	Job editor for Windows OS
User interface	Multilanguage 15-inch touch screen with user friendly, intuitive interface for Preview, Edit & New jobs creation and System setup
Communication	RS232 / USB / Ethernet
Electrical requirements	115V / 230V AC, 50/60HZ, 1PH
I/O signals for installation	Shaft encoder, NPN/PNP Product detector inputs. Remote Interlock, Key switch, Safety shutter control. Fume extractor, Compressed air control. System ready, Marking, Fault outputs. 15 configurable user Inputs & Outputs
Cooling	Integrated air cooling with dust protection
Ambient temperature	10-40 °C / 50-104 °F, Suggested 15-30 °C / 69-86 °F
Humidity	Up to 90%, non-condensing
Safety	Class 4, according to EN 60825-1, Class 4 ready, according to ISO 13849
Weight	Control unit 15 kg / 33 lb / - 18 kg / 39 lb / Marking unit 7 kg / 15lb / - 10 kg / 22l b /

Optional accessories

- Straight head laser beam output
- Remote preventive diagnostics
- Red laser print position preview



CE and CDRH
compliant



Solaris Laser Sp. z o.o
Farbiarska 39, 02-862 Warsaw, Poland
Tel.: +48 22 843 18 03
sales@solarislaser.com.pl
www.solarislaser.com.pl