

laserSYSTEM F-9000



- Exceptional quality coding & marking by best beam quality
- Informative and decorative identification meet highest demands
- Extremely high life span
- Compact design
- Coding areas up to 200 x 200 mm
- Network-compatible with Ethernet interface
- Standard **SuperHighSpeed**
- Coding of blister film, plastics, metal



... the leading manufacturer of coding and marking systems

laserSYSTEM F-9000



Operated via:

Pocket terminal



PC software



or touchscreen terminal

The compact laser system for industrial marking and decoration of metals and plastics stands out for the excellent quality of the font and the durable marking at low operating costs. The high power densities produced by the guidance of the light in the doped core of the fiber allow laser processes that are not possible with conventional solid-state lasers.

The F-9000 series with the 10 Watt/ 20 Watt performance classes offers maximum functionality and availability for durable marking of industrial goods in the most compact size possible.

With the F-9000 series in combination with the Marca PC software, you can meet virtually any requirement from simple markings (text, date, time etc.) and bar codes and data matrix codes through to decorative labeling with logos etc.

The F-9000 series is equipped with an Ethernet interface and a high-speed marking head for high writing speeds as standard. Marking of the product can be performed either in stationary mode or when the product is on the move. Thanks to "marking on the fly", information can be applied directly to the product even at high production speeds as the cumbersome buffering of data is not required.

The F-9020 Film version is specially designed for marking films.

Technical data

Output:	10 Watt / 20 Watt		
Connection values:	F-9010 (10 Watt): 230 V; 50 / 60 Hz – 400 Watt F-9020 (20 Watt): 230 V; 50 / 60 Hz – 500 Watt F-9020 Film (20 Watt): 230 V; 50 / 60 Hz – 500 Watt		
Structure:	Laser, scanner and scanner control in laser head, Control electronics and electrical connection integrated in control unit. Red pilot laser (standard)		
Software:	PC software, pocket terminal, touchscreen terminal, Simple text creation via PC software with Windows user interface (2000/XP), WYSIWYG display, free choice of character size, different date and time formats, serial numbering or text adaptation, barcodes, 2D codes, database printing, logos or graphics loadable in IMG or DXF format, True Type Fonts, Unicode, MFF font, Crystal Fonts 7 x 5, 5 x 5, variable writing speed, intermittent and continuous printing		
Interfaces:	Ethernet TCP/IP, RS 232		
Cooling system:	integrated air cooling system		
Environment:	Temperature +10° to +40° C, relative air humidity: max. 90 %, non-condensing		
Options:	21 CFR Part 11		
Weight:	Laser head: approx. 5 kg; control unit: approx. 21 kg		
Coding field:	Focal distance	work area	beam diameter
	110 mm	50 x 50 mm	27 µm
	200 mm	100 x 100 mm	53 µm (Standard)
	340 mm	150 x 150 mm	80 µm
	440 mm	200 x 200 mm	100 µm
Laser head dimensions: 442 x 107 x 97 mm, D x W x H			
Control unit dimensions: 482 x 448 x 169 mm, L x W x H			

Subject to technical modification