



Product marking with pinpoint sharp texts, logos at minimal operating costs.

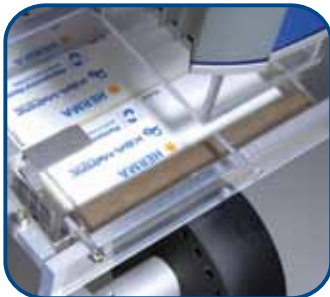
LASER SYSTEM | K - 1000

Thanks to its compact construction and flexible printing head, this system can be installed even in nearly every production line. The easy-to-operate devices work on the basis of an extremely fast mirror tracking system using the latest software and hardware, with the result that reliable high-speed marking of a consistently high quality is achieved. The K-1000 Plus is also highly adaptable in terms of its working range, given the use of lenses with various focal distances. All K-1000 laser systems can mark products when stationary

or moving as standard. They offer long-lasting marking on a variety of materials, including paper, cardboard, plastics such as PET, PVC or PP, PA, glass, ceramic, wood and coated and anodized metals. Equipped with a Super-High-Speed printing head line speeds of up to 11 m/s are achievable, depending on material and font size. The reliable system requires only modest maintenance expenditure, and its balanced price performance ratio are a strong argument in procurement.

LASER SYSTEM | K-1000

- high-speed marking
- high marking quality
- Space-saving compact construction
- Beam exit optionally to the front or underside
- Easy to operate



Technical data

Output:	10 Watt / 30 Watt / 60 Watt		
Electrical connections:	K-1010 Plus (10 Watt): 230 V; 50 / 60 Hz; 1 Phase + N 600 W K-1030 Plus (30 Watt): 230 V; 50 / 60 Hz; 1 Phase + N 1000 W K-1060 Plus (60 Watt): 230 V; 50 / 60 Hz; 1 Phase + N 1600 W		
Laser head:	Laser, control electronics, computer and scanner integrated in the laser (K-1060 Plus with separate control unit), sealed CO2 laser tube/RF technology		
Wavelength:	10,6 µm, optional 9,3 µm		
Beam exit:	0° or 90°		
Operation:	<ul style="list-style-type: none"> • Pocket terminal • Touchscreen terminal • PC with Marca Lite software or Marca Full Graphic software 		
Software features:	Simple text creation via Pocket terminal, touchscreen terminal or Marca PC software with Windows interface (Win 2000/XP), WYSIWYG display, freely selectable font size, various date and time formats, consecutive numbering or text adjustment, bar codes, 2D codes, database printing, logos or graphics can be loaded in IMG or DXF format, MFF font, dot fonts 7 x 5, 5 x 5, true-type fonts, Unicode fonts, variable write speed, intermittent and continuous labeling and a variety of additional software features.		
Interfaces:	RS 232, Ethernet TCP/IP, I/O		
Cooling system:	integrated air-cooling		
Work environment:	Temperature range + 10° to + 41° C, relative air humidity max. 95 %, non-condensing, no vibrations		
Options:	Pilot laser, 21 CFR Part 11, split head, SHS		
Area for marking:	Focal length of lens	Working range	Point diameter
	95 mm	60 x 60 mm	< 160 µm
	125 mm	75 x 75 mm	< 220 µm
	200 mm	100 x 100 mm	< 350 µm
	240 mm	150 x 150 mm	< 420 µm
	320 mm	200 x 200 mm	< 560 µm
	410 mm	250 x 250 mm	< 720 µm
Laser dimensions:	K-1010 Plus: 621 x 190 x 140 mm, L x W x H, approx. 15 kg K-1030 Plus: 656 x 235 x 193 mm, L x W x H, approx. 28 kg K-1060 Plus: Laser head: 775 x 235 x 193 mm, L x B x H Control unit: 543 x 650 x 297 mm, L x B x H, comb. approx. 71 kg		