

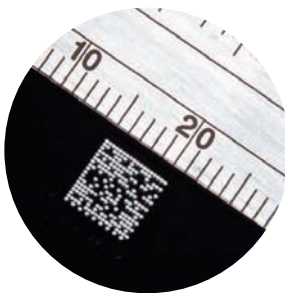
laserSYSTEM K-1000



K-1060
with separate control unit



- Reliable high-speed marking
- Consistently high marking quality
- Space-saving compact construction
- Marking products when stationary or moving
- Easy to operate, only modest maintenance expenditure
- Full graphic software allows for complex graphics
- Freely programmable coding area up to 250 x 250 mm
- Can be networked using an Ethernet interface



... the leading manufacturer of coding and marking systems

laserSYSTEM K-1000



Operated via:

Pocket terminal



PC with Marca-Software



or touchscreen terminal

The K-1000 CO₂ laser systems are ideal for product marking with pinpoint-sharp texts, logos and graphics at minimal operating costs. For efficiently employing three versions with different power capacity are available.

Thanks to its compact construction and flexible marking head, a K-1000 laser 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 is also highly adaptable in terms of its working range, given the use of lenses with various focal distances.

The Ethernet interface allows for maximum flexibility, simple integration into existing networks, and connection to merchandise information systems. Using the Marca software, it is possible to network several K-1000 laser systems and expand the graphics functions.

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.

Technical data

Output:	10 Watt / 30 Watt / 60 Watt		
Electrical connections:	K-1010 (10 Watt): 230 V; 50 / 60 Hz; 1 Phase + N 600 W K-1030 (30 Watt): 230 V; 50 / 60 Hz; 1 Phase + N 1000 W K-1060 (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 with separate control unit), sealed CO ₂ laser tube/RF technology		
Wavelength:	10.6 µm, optional 9.3 µm		
Beam exit:	0° or 90° (see picture below)		
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		
Area for marking:	Focal distance	work area	beam diameter
SP Version:	95 mm	50 x 50 mm	< 360 µm
	125 mm	75 x 75 mm	< 490 µm
	200 mm	100 x 100 mm	< 730 µm
Plus/SHS Version:	95 mm	50 x 50 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
Dimensions and weights:	K-1010 SP/Plus: 621 x 190 x 140 mm, L x B x H, approx. 15 kg K-1030 SP/Plus: 658 x 235 x 193 mm, L x B x H, approx. 28 kg K-1010 SHS: 770 x 190 x 140 mm, L x B x H, 17 kg K-1030 SHS: 775 x 235 x 193 mm, L x B x H, 30 kg K-1060 SHS: Laser head: 75 x 235 x 193 mm, L x B x H, 30 kg Control unit: 650 x 543 x 297 mm, L x B x H, 38 kg		

Subject to technical changes



Split head



Beam exit: 0° or 90°