



Lightning Laser Marker



Powerfully simple, with robust marking capabilities.

The Lightning Laser Marking System is a powerfully simple solution designed to meet your marking requirements with ease. This affordable permanent laser marking system boasts robust marking capabilities, making it an ideal choice for various applications.

Equipped with a high-quality MOPA fiber laser source, Lightning effortlessly marks a wide range of metals and plastics at the press of a button. Its user-friendly design ensures that you can achieve precise and effective markings quickly and efficiently, streamlining your production processes.



Lightning Class 1 Permanent Laser Marking System

The Lightning Class 1 Fully Enclosed Laser Marking System is designed with safety and efficiency in mind, providing a powerful yet simple solution for your marking needs. This affordable permanent laser marking system delivers robust marking capabilities, ensuring precision and reliability across various applications.

With its fully enclosed design, the Lightning system enhances safety while allowing for optimal performance, making it suitable for diverse environments.



Laptop not included
Toolpost is an
optional extra

Lightning I Class 4 Permanent Laser Marking System

The Lightning I (Integrated) is a Class 4 laser marking system designed for both open environments and seamless integration into production lines. Its versatile design allows you to mount Lightning to a toolpost, making it perfect for marking applications that demand open space and flexibility.

Whether you require a standalone marking solution or an integrated component for automated lines, the Lightning I delivers exceptional performance for unattended or turnkey applications.

Features and Benefits

- MOPA fiber laser source provides high-quality and effortless marking
- 15 selectable pulse durations means that Lightning can mark a wider range of metal and plastics than a basic q-switched fiber laser system
- Lightning's easy setup and maintenance enables excellent ease of use for the operator
- A RAL (Red Aiming Laser) allows you to accurately position the part before starting the marking process
- Programmable Z axis removes the need for focus finding, simply input the part height and let the software do the rest (Lightning Class 1 only)
- EZCAD user-friendly software allows the operator to create text or image-based graphics and fine tune in real-time
- Optional extras include larger marking fields, higher wattage laser sources, rotary devices for radial marking and fume extraction

Specification

	Lightning Class 1	Lightning I Class 4
Type	Class 1	Class 4
Marking field (mm)	100 x 100 (163 lens), 165 x 165 (254 lens)	
Max part size (W x L x H, mm)	374 x 290 x 250	N/A
Laser type	MOPA fiber	
Wattage	20W	20W (30W option)
Focus type	Programmable Z	Manual
Nominal wavelength	1064nm	
Frequency range	1_4000Khz	
Control	USB type B	
Mains input	110-240 V	

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