



Product Sheet

Lotus uMeta

Category: Fiber MOPA

Meta – Compact power with professional-grade MOPA technology

The Lotus Meta 30W is a robust, high-performance fibre laser with MOPA technology, developed for demanding marking and colour engraving in a compact format. With advanced pulse frequencies, high-quality components and military-grade chassis, it delivers exceptional performance around the clock – a reliable solution for industrial production where precision and durability are crucial.

- Fibre laser MOPA
- Average diode lifetime > 100,000 hours
- Excellent price/quality ratio

Product description

Lotus Meta 30W MOPA Fiber Laser

The Meta MOPA fibre laser machine stands out in its price range by offering performance and functionality not found in other machines on the market.

It is part of the Meta series and retains the high quality of the components but in a more compact format. The machine is specially designed to handle a wide variety of applications, including colour marking and processing of difficult materials, made possible by its 17 pulse frequencies.

The Meta is equipped with a leading fibre source, known for its reliability and ability to operate continuously around the clock without interruption. The chassis is made of military-grade aluminium, along with additional reinforcements in critical areas, contributing to the machine's exceptional durability and quality. This design ensures that Meta not only delivers outstanding performance but also maintains these characteristics over time, making it a robust and reliable solution in the industry.

Description

- Fibre laser MOPA
- Average diode lifetime > 100,000 hours
- Excellent price/quality ratio
- 36-month warranty on machine and laser tube

Technical Specification

Machine Specifications	
• Laser source	ELI-X17 Mopa fibre
• Dimensions (W x D x H)	450 mm x 1097 mm x 925 mm
• Wave length	1064 nm
• Laser power	30 W or 60 W MOPA
• Pulse length	x 17 between 2–500
• Lens Marking Area (x/y)	F160 112×112 mm, F254 174×174 mm, F330 220×220 mm
• Accuracy	1 m (0.001 mm)
• Speed	10,000/s
• Z-axis movement	368 mm
• Table surface	T-slot table 300x300 mm
• Maximum object weight	45 kg
• Round engraving max object diameter	145 mm
• Class	CE marked Class 2
• Cooling system	Air
• Materials	Metal, plastic, anodised & lacquered/painted materials, etc.
• Warranty	3 years