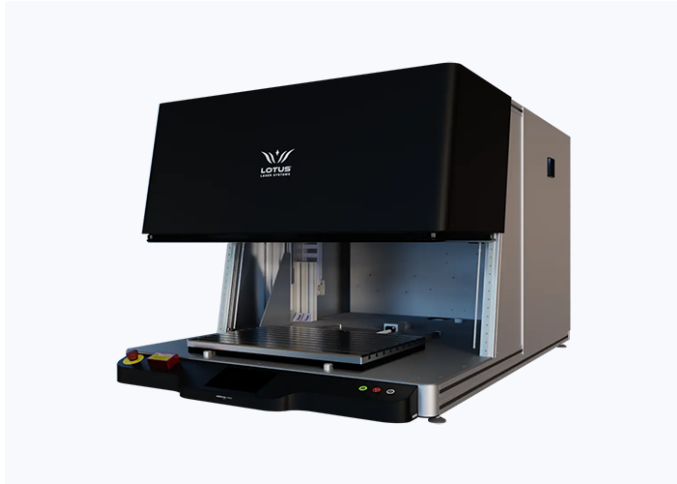




Product Sheet

Lotus Meta-XY XL

Category: Fiber MOPA

Meta-XY XL is the powerful solution for marking larger parts and panels.

With its large working area of 1000 x 600 mm, Meta-XY XL combines high precision with efficient production for industrial applications. The automatic XY table and advanced 3D laser marking enable fast, accurate and flexible marking, even on larger components and complex surfaces.

- Working area: 1000 x 600 mm
- 3D laser marking
- High precision and productivity

Product description

Lotus Meta-XY XL, large format marking with high capacity

Meta-XY XL is an advanced laser marking platform developed for marking, engraving and etching larger parts, panels and multiple smaller components in a single run. The machine is built for industrial environments where precision, repeatability and efficient production are key requirements.

The system builds on the Meta-XY series but features a larger working area to handle larger components and batch runs. The precise motion control and modular construction make Meta-XY XL easy to adapt to different workflows and production needs.

The advanced 3 axis technology enables marking on flat, curved and uneven surfaces. This makes the machine well suited for applications such as traceability codes, logos, deep engraving and detailed graphics on metal, plastic, composite and coated materials.

Meta-XY XL can be equipped with several different laser sources, including fiber, UV, MOPA and CO2. This provides great flexibility depending on material and marking requirements. The automatic XY table makes it possible to position and process multiple parts in the same cycle, increasing productivity and reducing the need for manual handling.

The machine is built for demanding production and continuous operation. With intuitive Job Control HMI, an aluminium T slot worktable and the option of various add ons such as rotary systems, conveyors and custom jigs, Meta-XY XL can be adapted to both current and future production requirements.

Description

- Large working area: 1000 x 600 mm for larger parts, panels and batch marking.
- 3 axis laser marking: For flat, curved and uneven surfaces.
- Flexible laser sources: Compatible with fiber, UV, MOPA and CO2.
- Automatic XY table: For precise positioning and processing of multiple parts in the same cycle.
- Modular construction: Can be adapted with add ons such as rotary systems, conveyors and custom jigs.

Technical Specification

Machine Specifications	
• Laser source	ELI-X17 MOPA Fiber, ELI-355 UV or CO
• Dimensions (W x D x H)	1452 mm x 1890 mm x 1893 mm
• Laser head	3D laser head (3 axis) DFGL Galvo
• Accuracy	1 μ m (0,001 mm)
• Positioning speed	10 000 mm/s
• Z axis movement	400 mm
• Max object size (closed hatch)	1000x600 mm (Class 2)
• Worktable	1000 mm x 600 mm (T slot table)
• Maximum marking area	1000 mm x 600 mm
• Class	CE marked Class 2