



Product Sheet

Lotus Meta-C CO2

Category: CO2 laser

Meta-C CO – Professional 3D engraving without limitations

Meta-C CO is a high-performance laser engraving machine built to deliver precise, fast and flexible marking on a wide range of materials. With 3D Galvo technology, a programmable Z-axis and a robust Gen7 chassis, it is optimised for everything from industrial production to creative projects. A powerful and versatile solution for those who demand high precision and reliability.

- Extreme precision & speed
- Flexible focusing
- 3D engraving without limitations

Product description

Meta-C CO2 – High-performance laser etching with extreme precision

Meta-C CO2 is a fast, accurate and versatile laser engraving machine, designed to handle etching and engraving on an impressive range of materials. Built on the robust Gen7 Meta-C chassis, this machine offers high speed, precision and flexibility. Thanks to a powerful 3D Galvo CO2 laser source, you can work with a wide range of materials and customise the marking to your specific needs.

This machine gives you total freedom in your marking projects – whether you are working with wood, plastic, glass, fabric, cardboard or leather. With its extensive range of power options and programmable Z-axis, engraving fast and accurate. Perfect for industries, manufacturing and creative workshops where technology is used to turn vision into reality.

Description

- Extreme precision & speed – Equipped with a 3D Galvo CO2 laser head for sharp and detailed markings.
- Flexible focusing – "DFGL" Dynamic Focus Galvo Laser adapts to the contours of the object with a focusing capacity of up to 35 mm.
- Adaptable for a wide range of materials and creative projects.
- Powerful and versatile – Available with 60W or 80W laser power to handle all engraving tasks.
- Programmable Z-axis – 368 mm Z-axis movement for marking at multiple heights in a single job.
- Built for durability – Gen7 Meta-C chassis provides robust performance and a long service life.

Technical Specification

Machine Specifications	
• Laser source	CO2 laser
• Dimensions (W x D x H):	790 mm x 1175 mm x 948 mm
• Laser head	3D Laser Head (3-axis) DFGL Galvo
• Wave length	10,600 nm
• Laser power	60W, 80W or 100W
• Lens Marking Area (x/y)	F100 70*70 mm, F160 110*110, F254 170*170, 1 optional lens included
• Accuracy	1 m (0.001 mm)
• Speed	5000 mm/sec
• Z-axis movement	368 mm
• Table surface	T-slot table 350x350 mm
• Maximum object weight	45 kg
• Round engraving max object diameter	230 mm
• Class	CE marked Class 2
• Cooling system	Air
• Compatible materials	Wood, plastic, glass, fabric, cardboard, leather, rubber, textiles, anodised aluminium, etc.
• Warranty	3 years on the machine, 2 years on the CO2 laser source