

WELDING

MARKING

MILLING

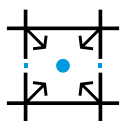
CUTTING

CASTING

# CANOVA

## The compact, easy-to-use laser engraver

Compact engraver for precious metals, combining **high performance**, **precision**, and **ease of use**, thanks to the proprietary MARKo software.



### COMPACT

The **reduced size and patented helmet-style opening of the hatch** make Canova a compact laser, ideal for even the smallest spaces.

★ **PATENTED SYSTEM**



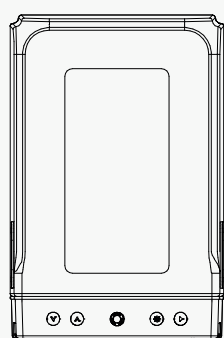
### DIGITAL AUTOFOCUS

With its depth camera, Canova enables **precise focusing even for items positioned at the edges of the engraving area**. This capability makes it ideal for engraving larger objects such as knives or frames.

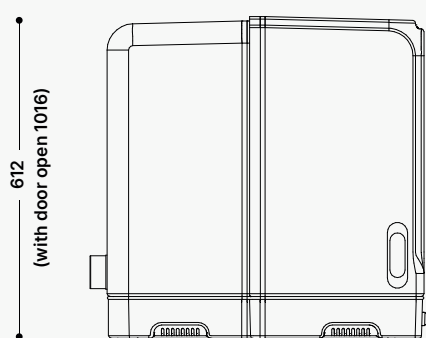


### EASE OF USE

Expert operators? No need! With the new proprietary software **MARKo**, a step by step interface guides the operator intuitively through the engraving process.



403



600

612  
(with door open 1016)

\*dimensions in mm

**Discover all our machines, stay connected!**



f y o i n

REQUEST A QUOTE

[sales@orotig.com](mailto:sales@orotig.com)

more information on [orotig.com](http://orotig.com)

# FEATURES

MADE IN ITALY

## 3 focal lenses

Besides the standard 160 mm lens, it is possible to install the 100 mm lens, which is perfect for high precision work and the 210 mm lens, which is suitable for larger objects.

## Available focusing systems

- Digital focus with a depth camera for enhanced precision, ensuring accurate focus even on peripheral area of the surface;
- mechanical focus with a touch probe for automatic Z-axis adjustment based on the detected workpiece value;
- manual focusing using infrared laser pointers.

## RGB LED lighting system

The RGB LED strip lights up different colors, providing clear and immediate information of the operational state of the engraving machine.



## Maximum safety

Maximum safety thanks to the CE-certified inspection window that allows to engrave with the door closed without goggles (Class 1 laser).

## Double camera

One angled camera offers a panoramic view of the workpiece, while the second one has powerful magnification for viewing the smallest details, up to 0,5 mm in high resolution.

## Easy dust recovery

The straight and simple design of the central hose makes it easy to clean without having to detach it from the machine.

# TECHNICAL DATA

Canova

|                              |                                                      |
|------------------------------|------------------------------------------------------|
| LASER TYPE                   | Diode-Pumped Fiber (Yb) Laser                        |
| LASER SOURCE (NOMINAL POWER) | 30 W, 50 W                                           |
| FOCAL LENSES                 | 100 mm, 160 mm, 210 mm                               |
| MAX ENGRAVING AREA           | 60×60 mm, 110×110 mm, 145×145 mm (depending on lens) |
| Z - AXIS TYPE                | With stepper motor                                   |
| Z - AXIS STROKE              | 263 mm                                               |
| SPEED RANGE                  | Up to 8 m/s                                          |
| PULSE FREQUENCY              | 37-600 Khz (30 W) / 40-600 kHz (50 W)                |
| MAX PULSE ENERGY             | 0,8 mJ 37 kHz (30 W) / 1,25 mJ 40 kHz (50 W)         |
| PULSE WIDTH                  | 200 ns (30 W - 50 W)                                 |
| BEAM QUALITY                 | <1,5 (30 W) / <1,8 (50 W)                            |
| LASER CLASS                  | Class 1 (closed), Class 3R (open)                    |
| COOLING SYSTEM               | Forced air                                           |
| WAVE LENGTH                  | 1064 nm                                              |
| POWER SUPPLY                 | 115 - 230 V ±10% 50-60 Hz                            |
| SPOT DIAMETER                | 35 µm                                                |
| WEIGHT                       | 45 kg                                                |

# ACCESSORIES



ROTARY & CHUCKS



3 IN 1 CLAMP



CHUCK FOR IRREGULAR RINGS



100 mm & 210 mm FOCAL LENSES



TOUCH PROBE



TILTING ANGLED SUPPORT



HONEYCOMB SUPPORT



CHUCK FOR BRACELETS



TBH BF 10 S or TBH BF 100 R VACUUM SYSTEM



SUPPORT TABLE WITH COMPARTMENT FOR TBH VACUUM SYSTEM