

## RRPICO

### Net, accurate, burr-free engravings

The RR Pico is a laser marker that achieves **precise, burr-free, and burn-free engravings** thanks to a very short laser pulse (1-3 picoseconds) that avoids the metal overheating and allows to work even **near resins and other heat-sensitive materials**.



#### MARK ON FINISHED JEWELLERY

RR Pico allows you to engrave directly on **finished and rhodium-plated jewellery**, avoiding further processing.



#### COSTS OPTIMIZATION

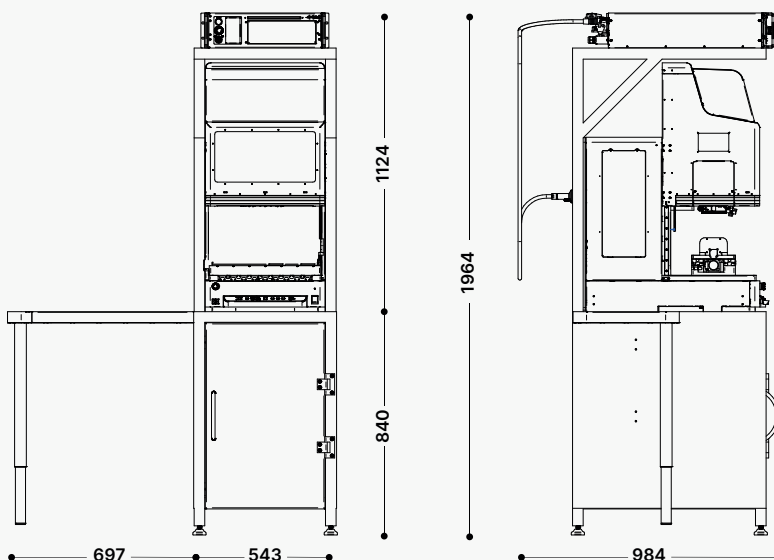
RR Pico performs burr-free marking and **allows you to skip the sanding step, reducing material waste.**



#### ULTRA-HIGH DEFINITION

With a **spot diameter of 0,05 mm**, RR Pico can engrave incredibly small designs, impossible to replicate with a traditional marking machine, **reducing the risk of copycat jewellery.**

\*dimensions in mm



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REQUEST A QUOTE

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

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

**TRADITIONAL MARKING****MARKING RR PICO**

Marking



Sanding



Polishing



Polishing



Marking

MADE IN ITALY

## TECHNICAL DATA

**RR Pico**

LASER TYPE

Ytterbium Impulse Fiber MOPA Laser

LASER SOURCE (NOMINAL POWER)

50 W

FOCAL LENSES

125 mm

MAX ENGRAVING AREA

57 × 57 mm

Z - AXIS TYPE

Electrical with software control

Z - AXIS STROKE

150 mm

SPEED RANGE

Up to 10 m/s

PULSE FREQUENCY

50 kHz - 2750 kHz

MAX PULSE ENERGY

0.7 mJ

PULSE WIDTH

2, 4, 8, 14, 30, 50, 100, 200 ns

BEAM QUALITY

≤ 2 m<sup>2</sup>

LASER CLASS

Class 1 (closed), Class 3R (open)

COOLING SYSTEM

Forced air and liquid cooling system

WAVELENGTH

1030 nm

POWER SUPPLY

230 VAC ± 10%, 1+N ph, 50/60 HZ, 0.75 kW

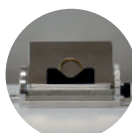
SPOT DIAMETER

50 μm

WEIGHT

210 Kg

## ACCESSORIES

**ROTARY  
& SPINDLES****TILTABLE  
SUPPORT****3 IN 1  
CLAMP**