

WELDING

MARKING

MILLING

CUTTING

CASTING

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

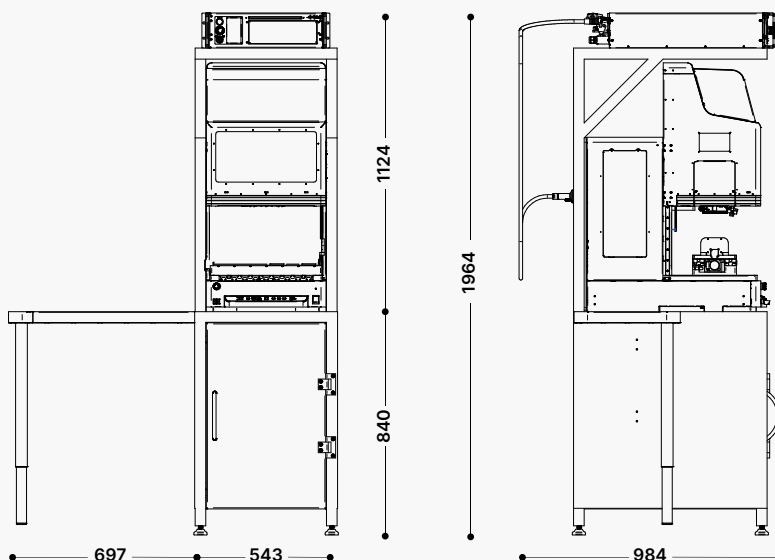
RR Pico performs burr-free marking and **allows you to skip the sanding step, reducing material waste.**



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 jewelry.**

*dimensions in mm



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



f y o in

REQUEST A QUOTE

sales@orotig.com

more information on orotig.com

TRADITIONAL MARKING

MARKING RR PICO



Marking



Sanding



Polishing



Polishing



Marking

MADE IN ITALY

TECHNICAL DATA

RR Pico

LASER TYPE

Ytterbium Picosecond Fiber 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 ps

BEAM QUALITY

≤ 2 m²

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
& SPINDLESTILTABLE
SUPPORT3 IN 1
CLAMP