

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

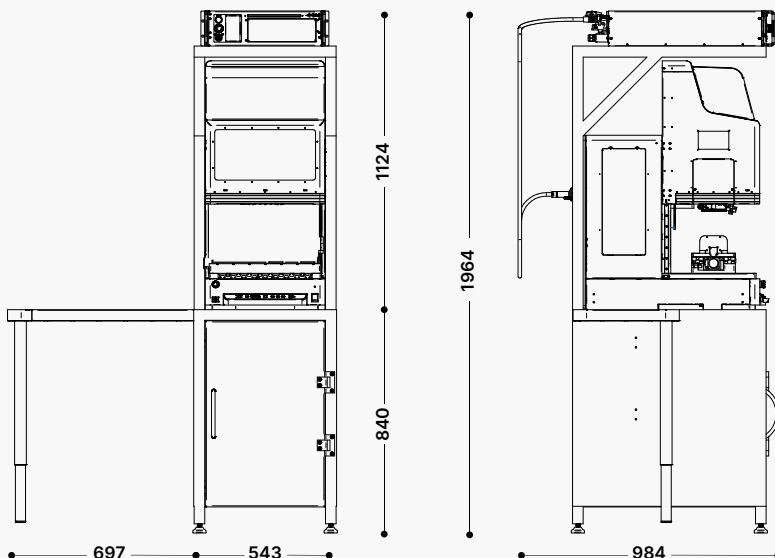
RR Pico performs burr-free marking and **allows you to skip the sanding step, reducing material waste.**



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

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 m ²
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**