

# OROTIG

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COMPANY PROFILE



## WHO WE ARE

We specialize in engineering and manufacturing **laser solutions** for **welding, marking, cutting, and casting** both precious and non-precious metals. Our primary focus lies in serving the jewelry, industrial, and dental sectors.

Since our **foundation in 1993**, when we began developing technologies for titanium micro-casting and welding, we have consistently invested in research and development. In 2005, we revolutionized the jewelry industry with the first compact laser welder.

Our Italian heritage is defined by continuous innovation and an enduring commitment to **developing expertise, advancing technologies, and fostering partnership**, positioning us at the vanguard of innovation within our sector.

Through close collaboration with our Partners, we effectively reach customers worldwide. This collaborative approach enables us to deliver innovative solutions that meet the diverse needs of our clientele across the globe.

**Reliable by tradition**  
**Innovative by passion**  
**Dynamic by vocation**

## OUR HERITAGE

We are a technology-driven company that has been dedicated to innovating and pushing the boundaries of **laser technology** for over three decades. Our aim has always been to foresee and address the technological challenges of the future.

Through the expertise and commitment of our team of designers and engineers, we have successfully revolutionized the market with innovative solutions that have made history in our respective sectors. This track record of success has empowered us to present a **comprehensive and highly diverse portfolio** that caters specifically to each market we serve.

At our core, we see ourselves as **ambassadors of the "Made in Italy" brand**. Emphasizing the pillars of quality, excellence, and reliability, we maintain a steadfast commitment to ensuring that our products reflect these values. Our continuous dedication to providing technological solutions is marked by a blend of reliability, innovation, and superior performance.

**5%\***

average annual investment in research and development activities

**4**

offices worldwide

**1900\***

average number of machines  
sold annually

**1800\***

average annual hours invested in dedicated training  
activities for our employees

**7**

patent-pending and  
patented systems

**1993**

year of foundation

**60+**

Partners globally

\*Annual average over the last three years

# OUR HISTORY

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1993

## OROTIG WAS BORN

### THE IDEA?

An innovative technology for titanium micro-casting in dentistry.



1995

### NOT JUST CASTING MACHINES

Orotig enters the world of laser welding with the first benchtop laser.



2002

### COMPACT VERTICAL LASER

Orotig makes high-precision welding accessible even to small workshops.



2003

### THE UNIVERSAL CASTING MACHINE

Speed and ability to cast any type of metal: the product goldsmiths have been waiting for.



2005

### OROTIG MAKES HISTORY

The XXS, the most compact and high-performing benchtop laser available, has been introduced.



2009 - 2016

## THE WORLD OF MARKING MACHINES

From the first marker in 2009 to the HD laser markers, marking quality has become the distinctive hallmark of Orotig solutions.



2011 - 2021

## SMART HIGH-PRECISION WELDERS

From the innovative Evo series to the X generation, laser welders become smart and connect to the network, combining power, quality, and precision.



2021 - 2022

## OROTIG MEXICO

Orotig takes a significant step in the industrial sector with the opening of the Mexican office and the launch of the Aries and Antares industrial welders.



2023 - 2024

## GENERATION ARTIST

The new generation of markers designed for the jewelry world combines the most sophisticated technology with ease of use.



2024 - 2025

## CASTING ACCESSIBLE TO ALL

Introducing our latest line of furnaces and casting machines crafted for jewelers, showcasing innovative technology that guarantees exceptional results.

# OUR SECTORS

## JEWELRY SECTOR

### YOUR PERFECTION: OUR MISSION

*Jewelry-making represents the ideal sector for the application of our technologies. The fundamental demands of jewelry creation —namely, the pursuit of high quality, precision, performance, and reliability—serve as the guiding principles shaping the design and development of our solutions by the Research & Development department.*

Back in 2005, we proudly pioneered the introduction of the compact laser welder to the market, marking **a revolutionary moment in the entire jewelry sector**. This groundbreaking move established new benchmarks of excellence, setting industry standards.

Today, our repertoire includes a comprehensive **range of laser technologies tailored for welding, marking, cutting, and casting precious metals**. These solutions are meticulously designed to cater to the diverse needs of our clientele, spanning from artisanal craftsmen to large-scale industrial production.





## INDUSTRIAL SECTOR

### TAILORED SOLUTIONS

*We specialize in offering solutions that can be tailored and seamlessly integrated into both automated and non-automated production processes. These solutions prove to be particularly suitable for various industrial applications such as mold repairs, tool manufacturing, and semiconductor production.*

Our repertoire includes **manual and semi-automatic solutions** specifically designed for welding a range of materials, including steel and its alloys, copper-beryllium, and aluminum. Moreover, we excel in utilizing filler material wires with diameters of up to a millimeter during these welding processes.

## DENTAL SECTOR

### TRUE TO OUR ORIGINS SINCE 1993

*Our company was founded on the development of pioneering technologies tailored for micro-casting and welding titanium, a material that is widely used in dentistry and particularly difficult to work with.*

We currently offer a product line for **welding chrome-cobalt, titanium, and other alloys**, as well as **titanium casting**, designed for the **production of prosthetics in the orthodontic and dental technology fields**. The exceptional quality of our machinery ensures that processed metals are safeguarded against overheating, enabling incredibly precise processing without deformation.



# WELDING

## HIGH QUALITY STANDARDS FOR ALL WORK ENVIRONMENTS

OUR LASER WELDING MACHINES STAND OUT FOR THEIR OUTSTANDING QUALITY AND PRECISION, AS WELL AS THE DURABILITY AND RELIABILITY OF THE COMPONENTS.

**Versatility** lies at the core of our **solutions**, catering to a spectrum of market requirements—from **small laboratories to expansive-scale production** setups. These versatile systems guarantee superior quality outcomes across a **diverse array of precious metals** including gold, silver, platinum, as well as challenging materials like titanium, stainless steel, aluminum alloys, nickel, and cast iron.



### **MIDI TECH**

Ideal for small-scale operations and repairs on all types of metals.



### **EVO WHITE**

A long-standing benchmark for performance and reliability, ideal for repairs and customizations.



### **EVO X**

Setting a new standard for high-performance desktop welders, delivering high power and performance.



### **EVO X TECH**

A leader in performance, featuring an optimized cycle and soft spot for uniform, clean welds on all metals.



### **REVO X**

The top-of-the-line solution for high-intensity production cycles, offering reliability and high-level performance even on platinum and silver.



### **FLASH**

Automatic welder for chain machines, ensuring consistency and quality even at high pulse frequencies.



### **ARIES**

The welder designed for industrial applications with a motorized table on three axes, ideal for repairing large objects up to 80 kg.



### **ANTARES**

The industrial-grade welder ideal for large molds and hard-to-reach places thanks to its motorized arm.

# MARKING AND CUTTING

## HIGH-QUALITY AND VERSATILE MARKING AND CUTTING

OUR MARKING LASER SYSTEMS BOAST AN EXCEPTIONALLY PRECISE LASER BEAM GENERATED BY THE FIBER SOURCES, ENABLING COMPLEX CUTTING AND MARKING OPERATIONS.

Within our suite of offerings, we provide a diverse range of laser marking and cutting solutions designed to fulfill various process demands. These solutions encompass **photo-engraving on metals, 3D marking, serial marking, and cutting** across a spectrum of metals, whether very thin or **up to 4 mm** thick, as well as machining that requires displacing the source from the production point.



### **CANOVA**

The latest generation of compact and user-friendly marking machines.



### **RR NEXT**

Professional solution for marking and cutting metals and alloys, featuring a coaxial camera for precise visibility of the marking point.



### **RR CELLINI**

Ideal for high-definition three-dimensional markings.



### **RR PICO**

For precise markings without burrs or burns, even near resins or heat-sensitive materials.



### **TDL 500**

A laser marking and cutting system integrated for efficient mass production.

# CASTING

## OUR LINEUP FOR BURNOUT AND CASTING

EVEN AFTER THIRTY YEARS, OUR CASTING MACHINES REMAIN UNPARALLELED FOR CASTING TITANIUM, PLATINUM, GOLD, AND SILVER.

Our range of casting machines spans from **specialized units designed for titanium casting**—our traditional product initially developed for the dental sector, now in high demand within the jewelry sector—to **a variety of induction systems available in different sizes** for casting gold, silver, and platinum.

Leveraging **patent-pending technology that enables rapid and seamless flask filling**, Orotig casting machines yield finished products boasting **smooth surface finishes** that necessitate minimal additional processing.



## PROMETHEUS

A fully automatic, easy to use tabletop casting machine designed for gold, silver, and platinum, with an innovative casting system.



## ACKERON

Platinum casting machine (up to 500 g) with innovative inline casting system.



## TI CAST

Controlled atmosphere casting machine designed for titanium (up to 130 g).



## ECOTECH

A two-chamber, energy-efficient rotating burnout furnace.

# SERVICE IS OUR STRENGTH

At the heart of our commitment lies our **dedication to customer service**, extending **direct support both in Italy and worldwide** through a **network of highly specialized international partners**.

This robust network ensures a commitment to delivering **top-tier, swift assistance, and superior after-sales service** across the globe.



## Pre-sales consulting

Our team of experts is available to assist in determining the ideal solution tailored to your specific applications and requirements.



## Long-term spare parts supply

We commit to supplying spare parts for up to 10 years following the machine's purchase.



## Fast shipping worldwide

We guarantee fast and efficient worldwide shipping for machines and spare parts.





## Training

Orotig machines are equipped with an integrated training module that contains information on installation, configuration, specific use cases, maintenance procedures and detailed explanations of various machine functions.



## Fast service and support

We take pride in delivering rapid support to our customers, offering on-site assistance as well as online support via the machine's Ethernet and Wi-Fi connectivity.



## 2-years warranty

Our machines are backed by a comprehensive 2-year warranty. Designed for durability and minimal maintenance, these machines are engineered to minimize breakdowns.

## OUR GLOBAL PRESENCE

We are globally present thanks to a **well-established network of over 60 certified Partners**, experts in bringing our **Made in Italy** solutions to the market.

This longstanding network of companies is the result of strong and enduring relationships, united by a passion for innovation, aiming to actively support our customers in optimizing production without compromising product quality.

4

offices worldwide

60+

Partners globally





[orotig.com](http://orotig.com)