



High Performance and Impeccable Welds

Upgraded version of the industry-leading Evo X laser welder, Evo X Tech sets a new benchmark in the high-end jewelry sector. With the **SoftSpot technology**, that ensures seamless welds even on reflective metals, and **an optimized working cycle**, Evo X Tech positions itself as a **frontrunner in performance and efficiency within the welding industry**.



Enhanced performance

With an enhanced cooling system, Evo X Tech can sustain a continuous working cycle while upholding the highest standards of welding quality.



Smooth and consistent welding

With the SoftSpot technology, Evo X Tech can achieve clean and spatter-free welds even on reflective materials thanks to soft, adjustable and uniform shots.



Top performing on all metals

With a maximum power of 250 J and a peak power reaching 10 kW, Evo X Tech ensures exceptional welding quality, particularly on reflective metals like platinum, white gold, and silver.



The SoftSpot technology of Evo X Tech ensures **impeccable welds across various types of metal**. This advanced system **delivers a uniform and clean weld, significantly enhancing its durability**. Thanks to a precise and adjustable spot, the metal disperses evenly during the welding process, achieving a **smooth and splash-free surface**.

The result is a smooth, porosity-free surface and an even distribution of metal, **minimizing the risk of damaging precious metals and ensuring a high level of quality and consistency throughout the process**, regardless of the type of metal used.

EVO X TECH - PERFECT WELDS, NO COMPROMISES



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Power and Reliability with the new Cooling System

NO MACHINE DOWNTIME WITH CONTINUOUS DUTY CYCLE

Orotig has designed an advanced cooling system that enables Evo X Tech to operate with a **100% duty cycle**, positioning itself as the most powerful and high-performing machine in its category. Laboratory tests conducted on similar welding machines available on the market have shown that, **under identical environmental conditions and parameters, Evo X Tech maintains continuous operation, effectively eliminating machine downtime.**

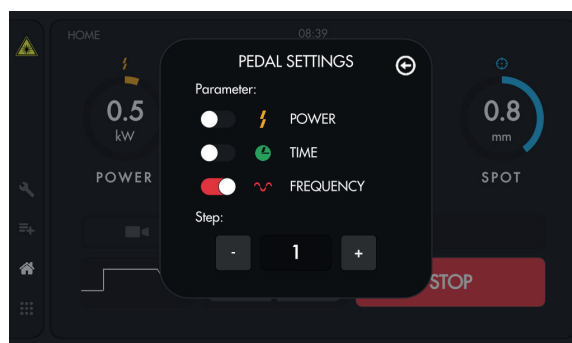
Furthermore, the airflow for cooling the main electronic components has been optimized, **establishing Evo X Tech as an excellence in terms of reliability and long-term durability.**

The machine is designed to operate seamlessly even in environments with high humidity and elevated temperatures, ensuring **high performance under any environmental condition.**

Patented Smart Footswitch for More Control

Evo X Tech comes with the patented Orotig smart footswitch. In addition to performing all the functions of the traditional pedal, **the device allows you to control the increase of a parameter by varying the pressure on the pedal, without having to interrupt the workflow.**

★ PATENTED SYSTEM



Fast parameters changing

Instead of **changing parameters** from the touch screen, it is possible to do it **quickly with the footswitch while welding.**



Perfect welding

Thanks to the fast and easy parameters control, **it is possible to quickly change the effect of the laser on a specific metal, increasing the effectiveness of the melt pool.**



Plug & Play

When the footswitch is connected to the machine, the pedal icon automatically appears on the home screen, making its use **simple and immediate.**



CONTINUOUS DUTY CYCLE

Thanks to a revised cooling system, Evo X Tech is capable of working on a continuous cycle with no machine downtime.



HIGH RELIABILITY

The control of internal temperature preserves the electronics, for higher reliability.



Technical Data

CRYSTAL TYPE	Nd:YAG @ 1064
PULSE POWER	250 J
PULSE DURATION	25 ms
PEAK PULSE POWER	10 kW
AVERAGE POWER	90 W
PULSE FREQUENCY	0 - 40 Hz

Intuitive interface

7" display with color IPS display and 75° viewing angle. The metal/type of processing matrix simplifies parameter settings for the operator; additionally, the display allows real-time monitoring of the machine's status.

Leica microscope

Leica 45° stereo microscope with 10x optical zoom and right-eye crosshair.

Preset programs

Possibility of viewing and recording machining operations and dynamically setting the work program, choosing it from a library of preset programs.

IUVAPS™ sanitizing system system

Constant sanitisation of the environment thanks to the IUVAPS™ patented system, which eliminates dust and pathogens.

Connectivity and Wi-Fi

Telemetry for easy assistance and remote updates.

Wide welding chamber with adjustable LED

Large welding chamber with a usable volume of 27.2 l, ensuring operator comfort and efficiency. Features an adjustable LED lighting system to facilitate welding on reflective metals.



POWER SUPPLY

115 - 230 VAC \pm 10%, 1P + N + PE, 50/60 Hz, 1.8 kW

FOCAL DIAMETER

From 0.1 to 2 mm

COMMAND ACCESS

External with 7" capacitive touch screen display, internal with rotary switch

COOLING SYSTEM

Liquid cooled (4 l) with forced ventilation

WEIGHT

41 kg



Security system

Dual security system with mechanical and electrical shutters, to ensure maximum operator's protection. Use of advanced fire-resistant materials, V-0 rated for superior fire safety.

Integrated camera

Enables real-time viewing of the welding process directly on the display, with the ability to record and later play them on the screen.

Accessories



**DYNASCOPE
HEAD**



**ADJUSTABLE
MICROSCOPE
STAND (5° - 25°)**



**ADJUSTABLE
HEIGHT TABLE**



**INTERNAL
WRIST REST**



**PNEUMATIC
FOOTSWITCH**

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