

easy™

THE BENCH-TOP  
LASER WELDER  
FOR PRECIOUS  
METALS

MADE IN ITALY



PRO™  
LASER



# Power, Reliability and no Compromises.

### WIDE LCD SCREEN

Full-Hd 10" Touchscreen with INTEGRATED CAMERA

### STEREO MICROSCOPE BY LEICA

with 10x magnification or, alternatively, the 3D LYNX EVO

### LED LIGHTING SYSTEM

powered with warm lights, adjustable intensity, flicker-free

### WIDE FRONT OPENING

for easy access to the spacious Welding Chamber

### COMFORTABLE AND ERGONOMIC

working position, designed for long work sessions

### BUILD QUALITY

perfect Stability, high Speed, enormous Power, total Reliability, and wear-resistant components

### SILKY WELD™

for smooth and homogeneous welding on all types of metals

### ECO MODE

for greater energy savings when EASY is not in use

### DUAL-RADIATOR COOLING SYSTEM

for 24h / 7d work sessions

## THE PROJECT

EASY leverages ProLASER's extensive expertise in industrial LASER welding generators, particularly in chain production, where perfect stability, high speed, immense power, and total reliability are crucial.



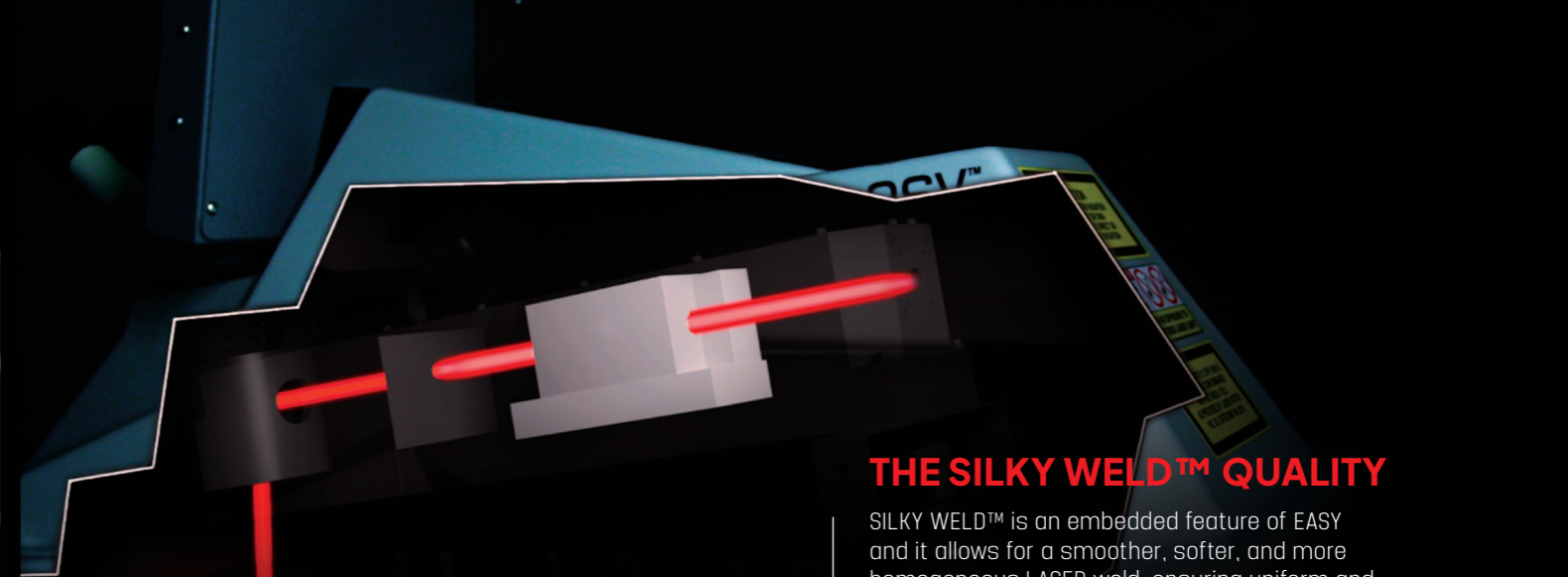
As a descendant of automatic chain welders, ProLASER's bench welder EASY is engineered to perform at the highest levels, delivering exceptional results even under the most extreme conditions, without compromise. Tailored for applications demanding power, precision, and the endurance to handle the most intense work cycles, EASY is crafted to address precious metalworking challenges, providing a robust and dependable solution for the jewelry industry.

## Design, Ergonomics and Comfort.

EASY's design is the result of extensive research to find the right balance between form and functionality, size and performance.

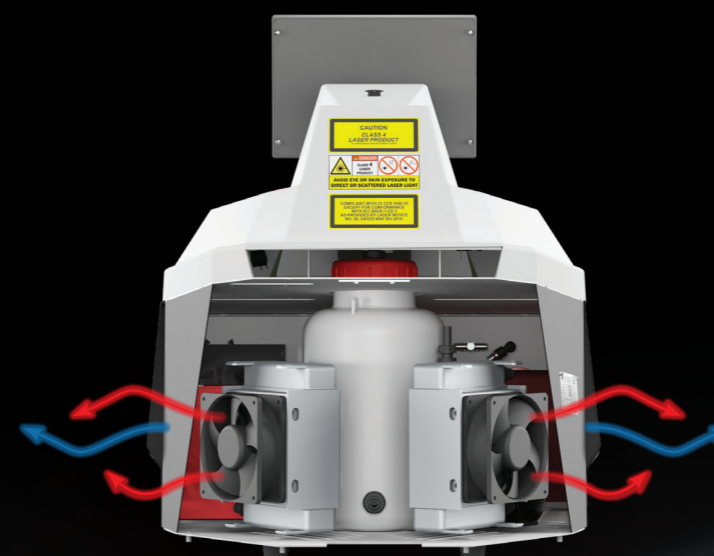


EASY has been meticulously designed with ergonomics in mind in order to offer a natural and comfortable working position. The ergonomic configuration **allows operators of all heights and builds to work efficiently and without fatigue, improving work quality and increasing overall productivity.**



## THE SILKY WELD™ QUALITY

SILKY WELD™ is an embedded feature of EASY and it allows for a smoother, softer, and more homogeneous LASER weld, ensuring uniform and clean surfaces on all types of metals, including the most reflective ones. The combination of new optical components and optimized electronics translates into a superior quality weld, for both mechanical and aesthetic better results.



## DUAL-RADIATOR

EASY's DUAL-RADIATOR cooling system is designed for uninterrupted 24h / 7d performance, without the need for auxiliary chillers. With a 6-liter tank, two high-efficiency radd two silent high-speed fans, the cooling system ensures continuous and uninterrupted work sessions.



## INTEGRATED CAMERA

EASY is equipped with an advanced "EMBEDDED CAMERA SYSTEM". The HD camera captures images that are displayed in real-time on the 10" LCD screen, with no lag of sort, alongside the work parameters. The ZOOM function offers digital magnification up to 15x, 20x, or 40x, while the REC function enables video recording of welding sessions onto an external USB memory.



## 3D vision Comfort and High Resolution

### LYNXEVO

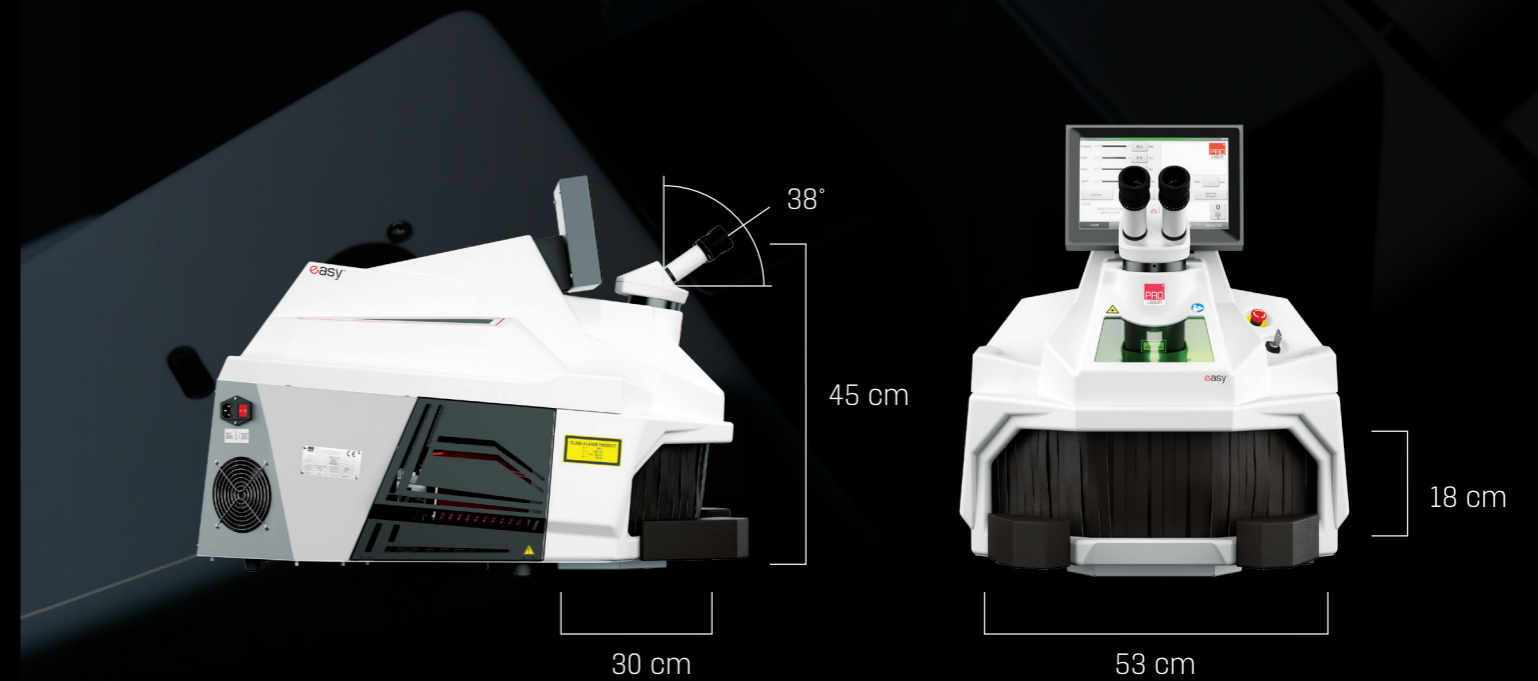
Lynx EVO is an advanced eyepiece-less microscope capable of offering extraordinary high-resolution 3D vision, without the need of eyepieces. Available on EASY, Lynx EVO is an excellent alternative to the LEICA's Stereo Microscope, supplied as standard.



## Stereo Microscope by LEICA The Industry Standard

### HIGH QUALITY

Since the earliest developments of LASER technology, the stereo microscope has been an inseparable companion for those working with manual LASER welders. ProLASER, committed to providing only the highest quality products, exclusively uses LEICA stereo microscopes for its EASY range of bench LASER welders.



## DATA SHEET Available versions of EASY

	EASY-1	EASY-2	EASY-3	EASY-3 "S"
LASER Source	Nd: YAG	Nd: YAG	Nd: YAG	Nd: YAG
Wavelength	1064nm	1064nm	1064nm	1064nm
Average Power	95W	100W	110W	140W
Peak Power	7,5kW	9,0kW	10kW	10kW
Max Energy	150 Joule	180 Joule	200 Joule	250 Joule
Pulse Frequency	up to 30Hz	up to 30Hz	up to 30Hz	up to 50Hz
Pulse Duration	0,1 ÷ 20 mS	0,1 ÷ 20 mS	0,1 ÷ 20 mS	0,1 ÷ 25 mS
Spot Dimension	0,2 ÷ 2,0mm (0,1mm Optional)	0,2 ÷ 2,0mm (0,1mm Optional)	0,2 ÷ 2,0mm (0,1mm Optional)	0,2 ÷ 2,0mm (0,1mm Optional)
External Control	10" Color TouchScreen Joystick	10" Color TouchScreen Joystick	10" Color TouchScreen Joystick	10" Color TouchScreen Joystick
Max Working Temp.	39°C	39°C	39°C	39°C
Power Requirements	1-Ph, 220/230 VAC, 50/60 Hz, 10A	1-Ph, 220/230 VAC, 50/60 Hz, 10A	1-Ph, 220/230 VAC, 50/60 Hz, 10A	1-Ph, 220/230 VAC, 50/60 Hz, 16A
Cooling System	Forced Air & Double Radiator 6L	Forced Air & Double Radiator 6L	Forced Air & Double Radiator 6L	Forced Air & Double Radiator 6L
Size (W x D x H)	W 57 x D 92 x H 66 cm	W 57 x D 92 x H 66 cm	W 57 x D 92 x H 66 cm	W 57 x D 92 x H 66 cm
Net Weight	49 Kg	49 Kg	49 Kg	52 Kg

Characteristics, images, performance, weights, and measurements reported in this document are entirely indicative and approximate and may vary without notice.

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