OROTIG

XXS EVO LASER Series

XXS EVO THE NEW TOUCH

XXS EVO On Board Camera

XXS EVO Free Vision

EVO "ON BOARD CAMERA"

THE NEW CAMERA GENERATION

XXS EVO "OBC" - a different story at managing the job

OROTIG presents the new pulsed LASER-welding equipment XXS-EVO OBC, provided with an On-Board Camera and an integrated viewing-thru system so completing the full range of LASER-welders of the XXS-EVO series.

The **OBC** system, fully designed and developed by OROTIG, besides assuring excellent image quality, it has not modified at all one of the main characteristics better distinguishing the XXS series of pulsed LASER-welding equipment: compactness.
And this is a further proof of OROTIG's ability to keep being at the forefront by providing high quality equipment with the state-of-the-art technology for all pockets.

OROTIG has designed and developed this complementary system in substitution of the stereo microscope aiming to achieve a very sharp and accurate image of the target object at LASER-welding and, at the same time, avoiding annoying "ghosting" effect.

The **On-Board Camera** OROTIG's system, **coaxially positioned to the stereo microscope**, enables a perfect straight view of the target object, making the LASER-welding task easier on-the-job and tireless.

This integrated vision system has been specifically designed to assure the at most **ergonometric viewing position**.

MAIN ADVANTAGES OF ADOPTING THE **OBC OROTIG SYSTEM**:

- **High-resolution images** and trustful viewing depth of field.
- Perfect progressive visualization of welding processes **without the interference** of the LCD shutter's closure at the stereo microscope.
- **No presence of "ghosting" effect** caused by the imaging trail left behind at moving working pieces.
- **Auto-adjustment of the brightness** to avoid troublesome reflecting effects of the metal surface.
- **LED lights** for the optimum display of colors.
- **Optional: Ethernet connection** – possibility to capture images and videos by remote PC in LAN/WEB network).
- **Optional: Wi-Fi connection** – possibility to display images wireless via portable devices such as Netbooks, PCs, Tablets, Smartphones, etc...).

Example of works seen
on an iPAD Apple in Wi-Fi mode*

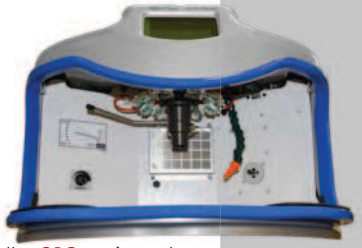
Examples of screenshots of ongoing LASER-welding on a Notebook and a Netbook (Windows and Android OS).*

OBC system that enables the transmissions, via Ethernet and Wi-Fi connections, the remote display of on-going welding processes, of captured images and videos of interventions carried out to PCs, Netbooks, Tablets or Smartphones, so to possibly create professional presentations, videos and images sequences for customers and/or updating one's own Web site.

Color touch-screen display to ease the access to working parameter and their reading/modification (power, time, frequency of repetition, welding-spot size, post-gas timing).

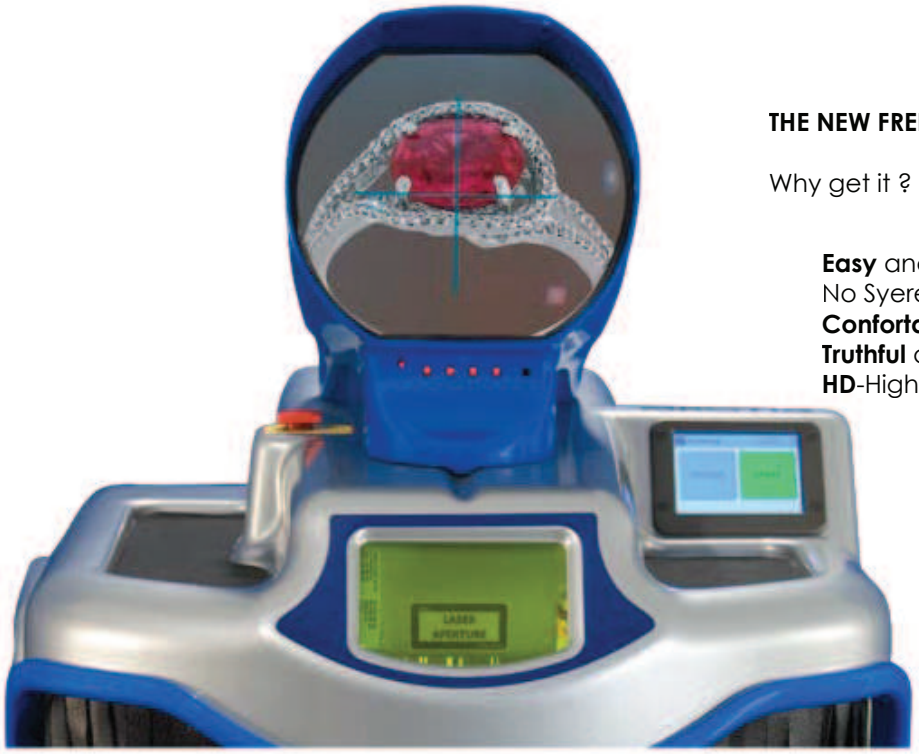
Customizable pen-drive to allow updating equipment's managing firmware and saving/storing one's own working settings to recall and use them with another LASER-welder of the same XXS-EVO series, too.

Wide open hands' access to a roomier welding chamber **free from additional viewing-thru systems**.



LED lights in the **OBC** version only.

XXS LASER EVO Free Vision



THE NEW FREE-VISION SYSTEM FROM OROTIG

Why get it ?

Easy and **quick** to use.
No Syereo-microscope required.
Confortable working posistion.
Truthful and real 3D feeling.
HD-High definition images.

Dati Tecnici EVO 30 60 100 125

Power Supply	1-ph, 230 ± 10% VAC, 50/60Hz, 6A	1-ph, 100-240 VAC, 50/60Hz, 15A		
Type of Crystal	5mm Nd:YAG	6.3mm Nd:YAG	7mm Nd:YAG	
Power impulse and Time	30J at 8mS	60J at 15mS	100J at 20mS	125J at 25mS
Peak Pulse-Power	4 kW		4.8 kW	5 kW
Avarage Power	30 W	40 W	55 W	60 W
Frequency of Repetition	5 Hz	15 Hz		
Spot Size	From 0.3 to 1.5 mm (spot 0.15 mm available on request)			
Access controls	External with TFT 3,5" colour touch-screen display Inside chamber by Joystick			
Stereomicroscope	10X at 45° binoculars and cross-hair pointer by LEICA			
Weight	28 Kg	30 Kg	32 Kg	
Dimensions (W x D x H)	52 x 73 x H50 cm			
Cooling type	Forced air, 0.75 lt liquid	Forced air with fan speed control, 1 lt liquid and radiator		

OROTIG

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CLASS 4 LASER product
Complies with IEC 60825-1:2007-10

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