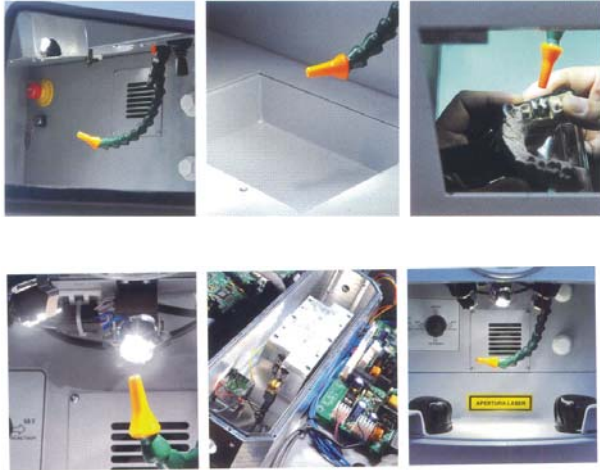


Desktop Laser Spot Welding FoRza Series

Technology

The new digital microprocessor incorporated in the FoRza works 100 times faster than traditional systems. and is able to measure the high energy precisely, analysing it and sampling it every 100 micro seconds.

This makes welder FoRza a powerful machine while at the same time constant and very precise in the repetition of the shots.



Features

- Real time and automatic regulations of the power supply.
- Double light LCD Touch Screen Shutter.
- Automatic control of the laser lamp, with consequent automatic adjustment of the energy.
- Integrated webcam
- Better cooling chamber & Efficient air cooling system.
- 6 preset pulse shaping programs
- Argon Gas nozzle directly on the welding point
- Air nozzle for cooling pieces in the working chamber
- Extractable drawer for the chamber cleaning
- Low noise and low maintenance 100 memories parameters
- Frontal and big doors
- **Optional on board LIVE Video Camera**



LASER APPLICATION

- Easily weld precious metals and other, including platinum, titanium, gold, silver and palladium.
- Repairs old jewellery perfectly.
- Repairs molding without removing the stones.
- Welds the elements using weld materials, and leaves them clear, sharp and without the need to clean again.
- Repairs casting defects such as porosity or breakages. by simply welding those areas with solder wire.
- Suitable for high-productive cycles



Welding Samples

1. Welding broken ring
2. Welding on Jewellery joints

3. Working directly on the models
4. Welding of pins

5. Repairs scratch and casting defect
6. Reconstruction of stones setting

Model	FoRza-100	FoRza-160
Maximum Laser Power	100J @ 20mS	160J @ 15mS
Peak Pulse-Power	5 kw	8 Kw
Avg. Pulse-Power	65 W	85 W
Frequency of Repetition	0.5 to 30Hz	
Spot Size	0.2 to 2.0 mm	
Microscope	10 x 45 binoculars by leica	
Program	6, preset	
Program Memory	cells 99	
Weight	40 kg	
Dimension (W x D x H)	70 x 50 x 50 cm	