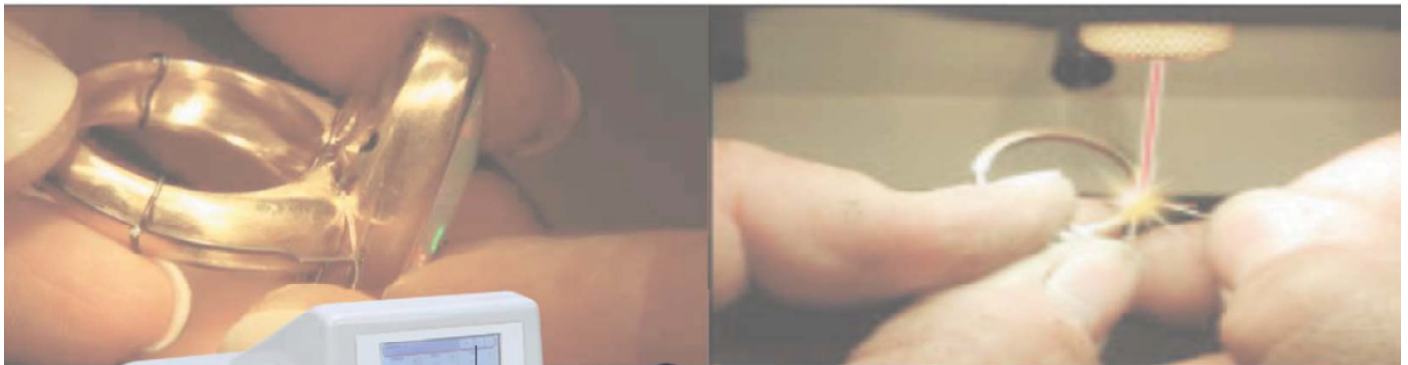


Desktop Laser Spot Welding Forza



Simple and Intuitive

Adjustable touch Screen display 123 x 68mm
100 memories parameters storage cell with name
Multi-language display

High Quality

Stereomicroscope 10X by **Leica** Lens
45° inclination with UV ray and laser radiation protection (for the eyes)
Higher brightness shutter

High Technology

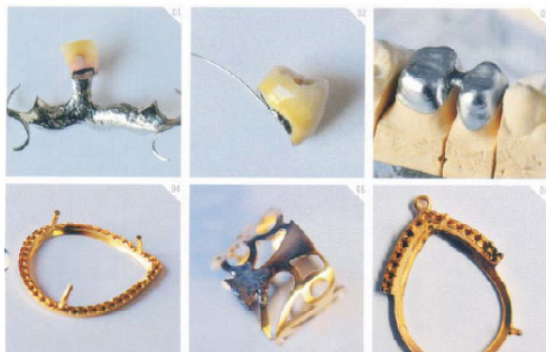
New generation laser rail
Completely digital electronic
Powerful Cooling System
Inbuilt Standard Webcam
Which can connect to PC/Laptop

Ease Operation

Soft Arm Rest for easy
Long hours operations for operator

Ergonomically Design

Internal joystick to the welding chamber
Large chamber
Big inspection window
LED cold and white light in the chamber
allows continues hours of hassle free operations.



Welding Samples

1. Weld without burn the resin
2. Lengthening of the edges
3. Working directly on the models
4. Welding of pins
5. Repairs scratch and casting defect
6. Reconstruction of stones setting

Dora Technologie

Technology

Citizen has launched **FoRza** from a technological point of view. It takes a concentration of six year study in the electronic, optical and mechanical field. The new digital microprocessor, 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.

All of this makes Welder **FoRza** a powerful Welder laser, while at same time constant and very precise in the repetition of the shots.

Features

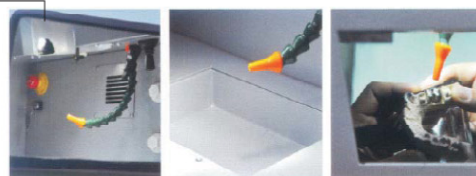
- It's the first laser controlled by a digital microprocessor (D.S.P.)
- Real time and automatic regulations of the power supply.
- Double light LCD Touch Screen shutter.
- 30 Hz frequency
- Automatic control of the laser lamp, with consequent automatic adjustment of the energy.
- Integrated **webcam**
- Better cooling chamber
- Powerful cooling system.

LASER APPLICATIONS

- Easily weld precious metals and other, including platinum, titanium, gold, silver and palladium.
- Repairs old jewellery perfectly.
- Repairs mounting without removing the stones.
- Repairs watches and other parts
- 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.

The ideal laser for big factories and goldsmith

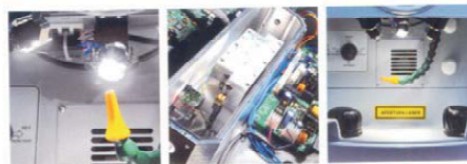
Powerful and accurate
6 preset pulse shaping programs
Gas argon nozzle directly on the welding point
Air nozzle for cooling pieces in the working chamber
Extractable drawer for the chamber cleaning
Suitable for high-productive cycles
Low noise and low maintenance
Easily welds precious or base metals, including silver



Inside Chamber

The ideal laser for goldsmith and dental laboratories

Easy to use
Small dimensions
Low noise and low maintenance
Suitable for high-productive cycles
Frontal and big doors
Easy to use for more operators
Spots controlled in size and energy
Welding with or without adding material



MODEL	FoRza-60	FoRza-100	FoRza-160
Maximum Laser Power	60 J @ 15mS	100J@20mS	160J@20mS
Peak Pulse-Power	4 Kw	5Kw	8Kw
Avg. Pulse-Power	55 W	65 W	85 W
Frequency of Repetition	0.5 to 30 Hz		
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		