



**XXS - 30J**



**1st Mini LASER WELDER**

## Features:

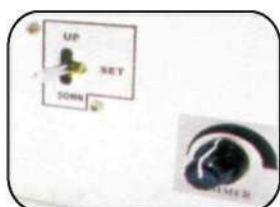
- LCD type display for working parameters power (in kW), duration (in mS) and frequency (in Hz) of repetition.
- Joystick inside the welding chamber to access and change all working parameters.
- Manual setting of the spot size from 0.3 to 1.5 mm
- Cone-shaped nozzle for supplying Argon-gas over the welding area placed coaxially to the laser beam aperture.
- Dimmer to adjust Halogen-Light intensity inside the welding chamber.
- Nozzle for supplying compressed-air inside the welding chamber.
- Filter for exhausting smokes and particles from the welding chamber.
- Laser pulse frequency can be set up to 3Hz.
- The technology adopted to build its third generation inverter type power generator allowed compacting further its electronics and, at the same time, to get better performance and be more energy efficient.



## Advantages:

- Smallest laser welding equipment available worldwide.
- Even if very reduce in size its well design ergonomics lets operator work very comfortably.
- It's possible to weld efficiently in very short lapses of time (from 1.5 to 2.5 mS) avoid overheating of welding areas and easing keeping accurateness at welding.
- Possible of weld in short time.
- Avoid overheating of welding areas.
- Accurateness at welding.
- Operated via colour touch screen display (60/100J)
- Memory cells for stary wording parameter permanently (60/100J)

Halogen light adjusted by dimmer.



Working parameters are accessed by joystick inside the welding chamber.



Nozzles for supplying Argon-gas and Compressed-air inside the welding chamber.



## Technical data:

| MODEL                                | XXS - 30J                                  |
|--------------------------------------|--------------------------------------------|
| Power Supply                         | Single-phase, 230 VAC + 10%, 50/60 Hz, 10A |
| Max Pulse-power and Duration         | 25J in 8 mS (30J in 10 mS)                 |
| Peak Pulse-Power                     | 4kW                                        |
| Avg Pulse-Power                      | 30 W                                       |
| Frequency of Repetition              | 0.5 up to 5 Hz                             |
| Spot Size                            | 0.3 to 1.5 mm                              |
| Nd: YAG crystal Wavelength           | 1064 nm                                    |
| Working Cycle (Shots/Hour)           | 7200 + 10%                                 |
| Measured @ 1.2kW, 1.2mS, 4Hz at 200C |                                            |
| Weight                               | 27 kg                                      |
| Dimension (WxDxH)                    | 40x50x28 cm                                |

WORLDWIDE MARKETING:

**CITIZEN SCALE (I) PVT. LTD.**

Unit No. E2, Plot No. 11, WICEL Estate, Opp. Seepz Gate No.1, Andheri (E), Mumbai 400 093. (INDIA)  
Tel. : +91-22-4243 7700 • Fax : +91-22-4243 7800 • E:mail : sales@jewellerytool.com • Web : www.jewellerytool.com