

LASER SOURCES FOR MANUAL WELDING

Oroweld

OroWeld 100s / 125s / 200s

MAPTEC introduces the new **OroWeld manual welding system**, with double built-in Vision system, Microscope and camera.

The system guarantees images of excellent quality and maintains fundamental characteristics such as **compactness, reliability and high performance**.

An **appealing aesthetic appearance** combined with a practical user interface and with varying REAL powers from 100 to 200J can satisfy every type of customer, from the dental technician to the goldsmith.



OroWeld



Convenient man-machine interface with 5.7" color touch-screen display, for quick access to working parameters and easy management of options.



32 memory cells to save job settings.



Powerful and silent hydraulic cooling circuit. Additional external cooling (optional) for high duty cycles.



An USB pen drive allows saving the working parameters and upgrading the software.



5 pre-set waveforms (pulse shaping) to achieve high welding quality on all types of alloys.



Argon gas supply directed on the welding surface and coaxial to the spot with post-gas and pre-gas control.



LED lighting system in the room.



Soft spot standard included.



Motorized laser support table

Perfect for working with steel, titanium and precious metals

Reference point for jewelry and ideal for welding highly reflective metals

| MODEL | OroWeld | 100 S | 125 S | 200 S |
|------------------------------|--|--|--------------|--------------|
| POWER SUPPLY | Single Phase ~115-230 VAC±10%, 50/60Hz, 16 A | | | |
| CRYSTAL TYPE | | 6.3mm Nd:YAG | 7mm Nd:YAG | 7mm Nd:YAG |
| IMPULSE POWER AND DURABILITY | | 100J a 20mS | 125J at 25mS | 200J at 20mS |
| POWER OF PEAK | | 4.8 kW | 5 kW | 9.5 kW |
| MEDIUM POWER | | 55 W | 60 W | 80 W |
| REPETITION FREQUENCY | | 0 - 15 Hz | | |
| WELDING SPOT DIMENSION | | From 0.3 to 1.5 mm (spot 0.15 mm upon request) | | |
| COMMAND ACCESS | | TFT external display 5.7" color touch-screen and internal joystick | | |
| STEREO-MICROSCOPE | | 45 ° with 10X magnification and pointing cross (Leica) | | |
| WEIGHT | | 40 kg | | |
| DIMENSIONS (LXPXA) | | 58 x 80 x 55 cm | | |
| COOLING TYPE | | Forced air with fan speed control, liquid 1lt and radiator | | |



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