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Настольные лазерные сварочные аппараты Orion LZR PRO



THE ORION LZR: MORE PREMIUM FEATURES WITHOUT THE COST!

An Orion laser micro welder from Sunstone lets you accomplish extraordinary welds in the most difficult of places. With a laser, if you can see where a weld needs to be, you can reach it. You will appreciate the ability to use the laser to smooth and polish a work area or fill porosity in half the time. With a laser, there's no electrode maintenance to interrupt your work, which saves time. Sunstone offers four different power options to fit your budget so that your studio or factory can easily justify an Orion laser micro welder.

SUNSTONE'S ORION BENCHTOP LASER WELDER FEATURES

- Large touchscreen interface
 - Slider bars for making quick adjustments
- Joystick control inside the weld chamber
- Built-in HD camera
- HDMI output for displaying camera feed on a TV
- Leica 10x Optics
- 3 year warranty
- Argon hookups for shielding gas
- Compressed air hookups with nozzle inside weld chamber for cooling off welded pieces
- Water cooling system uses a resin sack instead of a water filter
 - Less maintenance as the resin sack can go years without needing to be replaced
- Flashlamp is rated at +/- 5 million shots
- Dual fans and radiators for better cooling
- Open-bottom weld chamber- the bottom of the chamber can be dropped out of position to accommodate large or heavy items
- 180 degree open weld chamber- you can feed pieces in one side and out the other



MORE EFFICIENT LASER OPTIC RAIL

Our more efficient laser optic rail delivers more energy into the weld resulting in less energy being lost internally through heat dissipation. Because of this efficiency, an Orion laser micro welder from Sunstone gets more joules of energy using less kilowatts of peak weld energy. This efficiency also increases the life of the Orion laser welders flash lamp and overall life of the laser.

ORION LASER WELDERS RUN COOLER

Two ventilation fans keep the Orion laser welders running cooler. Additionally, the weld chamber is lit up with LED lights rather than halogen. This makes the weld chamber significantly cooler. Less heat equals less strain on the system which makes it even more efficient!

SIMPLE TO USE BENCHTOP LASER WELDER

At Sunstone, we create products to make your life simple. The LZR benchtop laser welders are no exception. As a result, our laser welders are built with the end user in mind. We provide a full touchscreen interface that allows you to easily adjust settings from minimum to maximum in a single touch.



SUNSTONE'S ORION BENCHTOP LASER WELDER APPLICATIONS

- Weld precious and non-precious metals
- Add Metal
- Small wires
- Bond dissimilar metal
- Weld porosity or cracks using filler material
- Repair watches, eye-wear and other minutia
- Weld dental & orthodontic appliances
- Repair antique jewelry
- Repair jewelry settings without removing stones

Orion LZR Series				
	LZR 80	LZR 180	LZR 200	LZR 240
AVERAGE POWER	100 W	100 W	100 W	100 W
PEAK POWER [KW]	3.5 kW	7.2 kW	8 kW	10 kW
ENERGY RANGE	0.1 - 80 J	0.1 - 180 J	0.1 - 200 J	0.1 - 240 J
LASER SOURCE: WAVELENGTH	Nd: YAG 1064 nm			
IMPULSE TIME	0.1 - 25 ms			
WELDS PER SECOND	1 - 30			
SPOT DIAMETER	0.2 - 2.0 mm			
PROGRAMS	6 Pulse Shaping Presets			
MEMORIES CELL STORED	100			
CONTROL JOYSTICK	On Board			
EXTERNAL	Color Touch Screen			

CONTROL	
INPUT POWER	110 or 230 V AC, 50/60 Hz, single
AMPERE	10A
MAX DIMENSIONS [LxWxH]	76x53x56 cm
TYPE	Benchtop
ARGON / AIR NOZZLE	Yes / Yes

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