



# Orion™ LZR Benchtop Laser Welders

All of the laser benefits you expect and more. Only from Sunstone!



## Key Features:

- Available in Four Power Models: 80, 160, 200, or 240 Joules
- Wide Spot Range: 0.2 to 2.0mm
- Up to 30 Welds per Second
- Precision Power Control with Touchscreen Interface
- Convenient Live Video Feed
- Ultra Clear 10x Leica Optics
- HDMI Port
- Argon, Compressed Air Ready
- Advanced Cooling System for Sustained Use
- No Messy Water Filter
- High-efficiency Components
- Large Ceramic Cavity
- Removable Chamber Floor for Larger Items
- Cool LED Lighting Reduces Heat
- Low Maintenance Costs
- Ergonomic Adjustable Pedestal (Optional)

Call or Text +1 801-658-0015  
[www.sunstonewelders.com](http://www.sunstonewelders.com)



**sunstone™**  
The Micro Welder Experts



# State-of-the-Art Micro Laser Welders

## Harnessing Light for a Perfect, Tiny Weld



### The Orion™ LZR Benchtop Laser Welder

*Available in Four Power Models: 80, 160, 200, and 240 Joules*

With an Orion LZR benchtop laser welder in your shop you'll work faster, weld next to sensitive areas without worry, and seam weld at up to 30 welds per second. You'll also love the ability to remove the chamber floor for larger workpieces.

### Application Ideas

Mold and Die Repair, Medical Devices, Stents and Catheters, Thermocouples, Lighting Fixtures, Mounting Brackets, Magnet Wire Welding, Jewelry and Jewelry Repair, Dental Appliance Repair, Orthodontic Welding, and more!

## TECHNICAL COMPARISON

	LZR 80	LZR 160	LZR 200	LZR 240
AVERAGE POWER	100 W	100 W	100 W	100 W
PEAK POWER [KW]	3.5 kW	6.5 kW	8 kW	10 kW
ENERGY RANGE	0.1 - 80 J	0.1 - 160 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 CONTROL	10" Color Touch Screen			
INPUT POWER	110 or 230 V AC, 50/60 Hz, single			
AMPERE	10A			
MAX DIMENSIONS [LxWxH]	76x53x56 cm			
Optics	10X Leica Stereo Microscopic			
TYPE	Benchtop			
ARGON / AIR NOZZLE	Yes / Yes			



### CE TESTED AND CERTIFIED

Welder tested for electrostatic discharge immunity up to 2kV for CE compliance

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