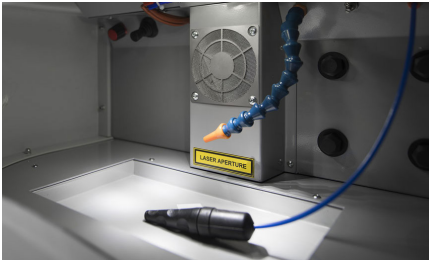




# Orion™ LZR Benchtop Laser Welders

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



## Key Features:

- Available in Four Power Models: 75, 125, 160, or 180 Joules
- Wide Spot Range: 0.2 to 2.0mm
- Up to 30 Welds per Second
- Precision Power Control with Touchscreen Interface
- Stay Informed with Internal Heads Up Display
- 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: 75, 125, 160, and 180 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 75                            | LZR 125     | LZR 160     | LZR 180     |
|--------------------------|-----------------------------------|-------------|-------------|-------------|
| AVERAGE POWER            | 75 W                              | 125 W       | 160 W       | 180 W       |
| PEAK POWER [KW]          | 5 kW                              | 7 kW        | 8 kW        | 9 kW        |
| ENERGY RANGE             | 0.1 - 75 J                        | 0.1 - 125 J | 0.1 - 160 J | 0.1 - 180 J |
| LASER SOURCE: WAVELENGTH | Nd: YAG 1064 nm                   |             |             |             |
| IMPULSE TIME             | 0.1 - 20 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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