

THERE'S MORE TO LASERS THAN A LIGHT BEAM — **AND WE'VE GOT IT ALL.**



NEW

TECHNOLOGY: **Laser**

The Orion LZR 60, LZR 100, & LZR 125

- Advanced cooling system
- Live video feed of welding
- Simple and easy to use touch screen interface
- 10x Leica stereomicroscope
- Advanced power supply
- High-efficiency components

Regardless of what type of welder or other product you purchase, you can have piece of mind that your investment will last beyond it's standard warranty with an extended warranty direct from Orion.

Get all the details by contacting us anytime at +1-801-658-0015.

TECHNICAL COMPARISON

	LZR 60	LZR 100	LZR 125
Laser source and wavelength	Nd: YAG 1064 nm	Nd: YAG 1064 nm	Nd: YAG 1064 nm
Average power	40 W	55 W	60 W
Peak power [kW]	3 kW	5 kW	6.25 kW
Energy [Joule]	0.1 – 60 J	0.1 – 100 J	0.1 – 125 J
Impulse time	0.1 – 20 ms	0.1 – 20 ms	0.1 – 20 ms
Pulse frequency	0.5 – 30 Hz	0.5 – 30 Hz	0.5 – 30 Hz
Spot diameter	0.2 – 2.0 mm	0.2 – 2.0 mm	0.2 – 2.0 mm
Servo Driven Height Adjustment	30 positions	30 positions	30 positions
Programs	Pulse Shaping 6 preset	Pulse Shaping 6 preset	Pulse Shaping 6 preset
Memories cell stored	100	100	100
Control Joystick	On Board	On Board	On Board
External control	Color Touch Screen	Color Touch Screen	Color Touch Screen
Input power	110 V AC, 50/60 Hz, single	110 V AC, 50/60 Hz, single	110 V AC, 50/60 Hz, single
Ampere	10A	10A	10A
Max dimensions generator	[wxdxh] 55x61x46 cm	[wxdxh] 55x61x46 cm	[wxdxh] 55x61x46 cm
Type	Bench-top	Bench-top	Bench-top
Argon / Air Nozzle	Yes / Yes	Yes / Yes	Yes / Yes



<p>CLASS IV YAG LASER</p> <p>E = 100J λ = 1064 nm t = 0.5 - 20 ms P = 55 W</p> <p>Complies with 21 CFR 1040.1 and IEC 60825-1, pursuant to Laser Notice No.55, June 24, 2007</p>	<p>AVOID EXPOSURE POSSIBLE LASER RADIATION IS EMITTED FROM THIS APERTURE</p> <p>DANGER POSSIBLE LASER RADIATION WHEN OPEN AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION</p>
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CE CE TESTED AND CERTIFIED
 Welder tested for electrostatic discharge immunity up to 2kV for CE compliance