

# LONE STAR

CUTTING SOLUTIONS

## Laser Welding Line

Precision | Innovation | Excellence

Explore our range of cutting-edge CNC Laser hand-held & robotic welders designed for every industry

**Connect with us**



[www.lonestarcuttingsolutions.com](http://www.lonestarcuttingsolutions.com)

## Machine Features

- 4 in 1 (Weld/ Cut /Weld Seam Clean/ Remote Clean)
- Quick Change structure of tip assembly from laser processing head.
- Compact integrated design with easy operation.
- Wobble welding to improve welding capacity to seam.
- Wire feeder included to expand application range.
- Safety protection includes auto beam off function once the nozzle is removed from workpiece.



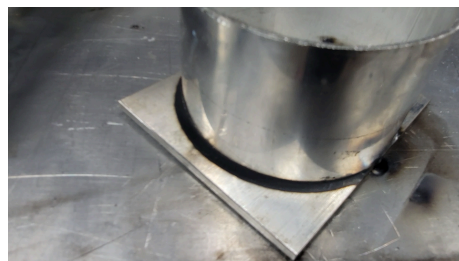
Scan to see it  
in action!

### Remote Cleaning

- Improve weld quality by first cleaning the weld surface.
- Remote Clean removes:  
Dirt, dust, rust,  
oil, paint or  
grease

### Weld Seam Cleaning

Post Weld Cleaning that will leave your welds free of contamination & discoloration



Before



After

	<b>Stinger 1.5 1.5KW</b>	<b>Stinger 2.0 2KW</b>	<b>Stinger 3.0 3KW</b>
<b>Laser</b>	Maxphotonics	Maxphotonics	Maxphotonics
<b>Laser Power</b>	1500w	2000w	3000w
<b>Fiber Length Fiber Core</b>	10m 50um	10m 50um	10m 50um
<b>Wobble Range (Weld)</b>	Adjustable up to 5 mm	Adjustable up to 5 mm	Adjustable up to 5 mm
<b>Welding Thickness Max</b>	3mm (SS, MS and 5 series AL) based on 1500W laser	4mm (SS, MS and 5 series AL) based on 2000W laser	8mm MS 6mm SS 5mm AL based on 3000W laser
<b>Cooling</b>	Water Cooled	Water Cooled	Water Cooled
<b>Collimation/Foc us Length</b>	60mm/150mm	60mm/150mm	60mm/150mm
<b>Power Supply</b>	220V/Single Phase/50 or 60Hz	220V/Single Phase/50 or 60Hz	480V/Three Phase/50 or 60Hz
<b>Dimensions</b>	42x24x31"	50x26x41"	50x26x41"
<b>Weight</b>	275.6lbs	308.7lbs	552lbs

## PPE Included with Stinger Laser Welder



- Laser Welding Hood (1)
- Laser Welding Glasses (1)



Welding helmet offers Shade 3 protection with easy-grip ratcheting mechanism for a comfortable and adjustable fit. Designed for Laser Welding.

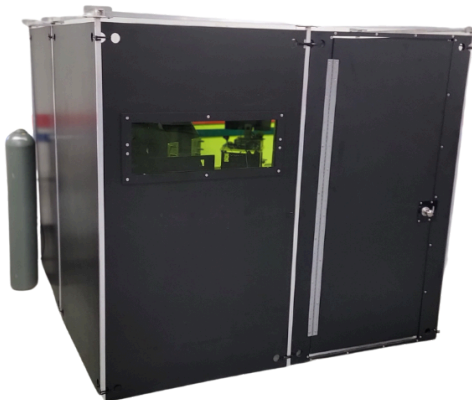
EN 175B   
ANSI 787+  
CSA Z94.3   
AS/NZS 1337

OD @ WAVELENGTH :  
OD 6+ @870-950nm  
OD 9+ @950-1000nm  
OD 7+ @1550-2450nm  
OD 8+ @2800-11,000nm

This helmet meets or exceeds the United States industry standard ANSI Z136.1 for use with the appropriate laser system.

- Auto beam off feature when nozzle is removed from the work surface
- Lock touch screen to prevent beam from being turned on or off while operator is welding/cutting/cleaning or debugging

## Optional Laser Protection Solution



- Modular design for easy disassembly and site conversion
- Customizable sizes
- Single or double door opening
- Light indicator as well as safety door lock to ensure no entry when laser in use
- Observation windows available