

LONE★STAR

CUTTING SOLUTIONS

Building America

One part at a time



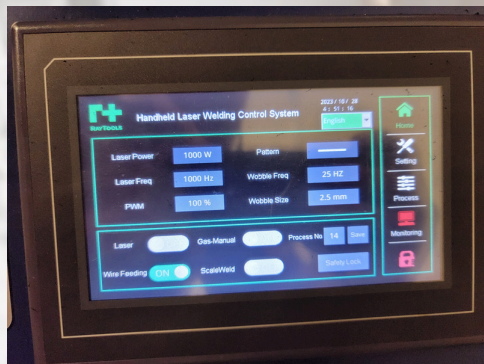
LONE STAR CUTTING SOLUTIONS

4-in-1 Handheld Laser Welding Machine

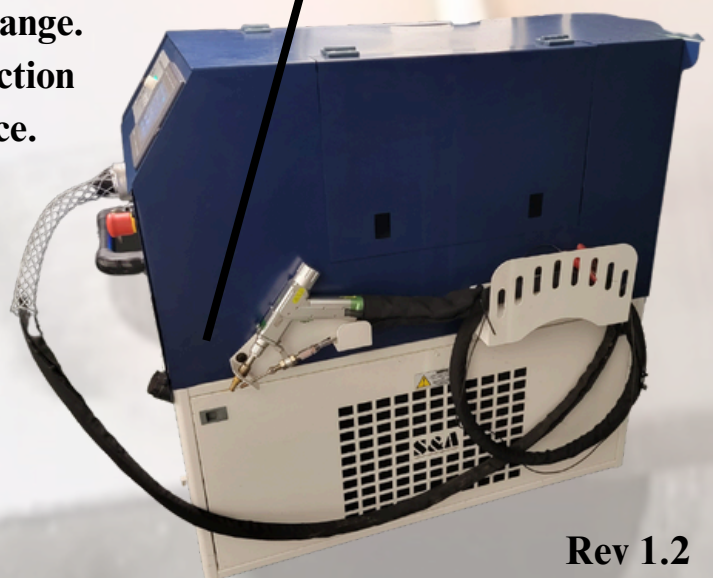
This cutting-edge system is designed to provide superior performance, speed, and precision for all your welding needs. With its powerful laser source and advanced control technology, it is capable of handling even the most challenging welding tasks with ease.

Benefits:

- 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 seam.
- Wire feeder included to expand application range.
- Safety protection includes auto beam off function once the nozzle is removed from the workpiece.



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Technical Data

| | Stinger 1.5 1.5KW | Stinger 2.0 2KW | Stinger 3.0 3KW |
|--------------------------------------|---|---|---|
| Laser | Maxphotonics | Maxphotonics | Maxphotonics |
| Laser Power | 1500w | 2000w | 3000w |
| Fiber Length Fiber Core | 12' 50um | 12' 50um | 12' 50um |
| Wobble Range (Weld) | Adjustable up to 5 mm | Adjustable up to 5 mm | Adjustable up to 5 mm |
| Welding Thickness Max | 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 |
| Cooling | Water Cooled | Water Cooled | Water Cooled |
| Collimation/Focus Length | 60mm/150mm | 60mm/150mm | 60mm/150mm |
| Power Supply | 220V/Single Phase/50 or 60Hz | 220V/Single Phase/50 or 60Hz | 480V/Three Phase/50 or 60Hz |
| Dimensions | 42x24x31" | 50x26x41" | 50x26x41" |
| Weight | 275.6lbs | 308.7lbs | 552lbs |

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Weld Seam Cleaning & Remote Cleaning

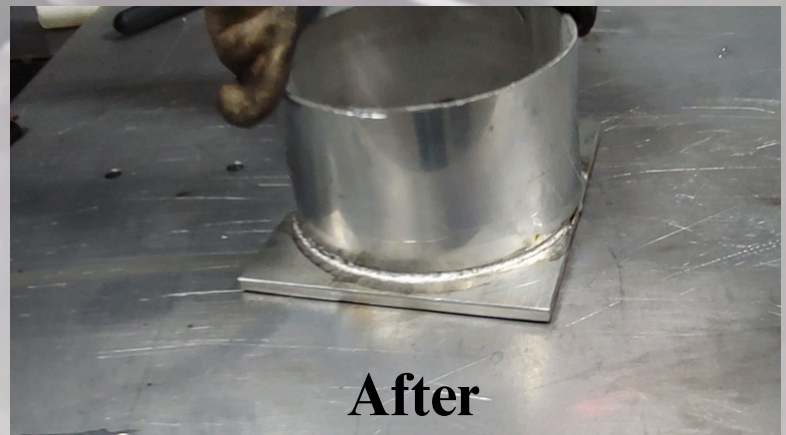
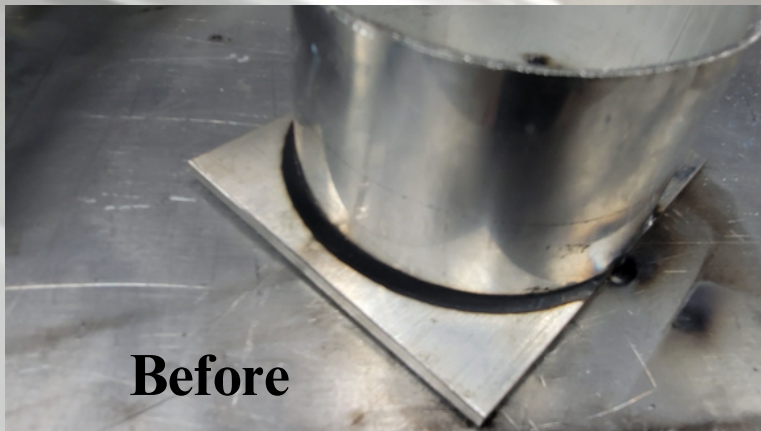
Remote Cleaning:

Stinger

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

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SAFETY

Stinger

PPE Included with Stinger Laser Welder:

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



Laser Welding Hood (1)

Laser Welding Glasses (1)

- 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

OD @ WAVELENGTH :

OD 6+ @870-950nm

OD 9+ @950-1000nm

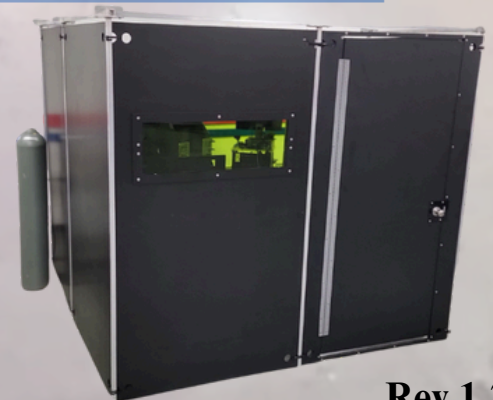
OD 7+ @1550-2450nm

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.

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



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lonestarcuttingsolutions.com

903-569-3190

Rev 1.2