

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 to seam.
- Wire feeder included to expand application range.
- Safety protection includes auto beam off function once the nozzle is removed from 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	10m 50um	10m 50um	20m 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



Before



After

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

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