

Air-Cooled Multi-Process Laser Beam Welder/Cleaner/Cutter



REDSABRE 1500

Specifications

Processes: Weld/Clean/Cut	Input: 240V 50/60Hz 1 Ph	Output Wattage: 1500 W	Input Wattage: 6000	Laser Class: Class 4
Duty Cycle: 100%	Wavelength: 1080nm	Wobble Frequency: 0-300 Hz	Gun Length: 10m (32.8) feet	Weight (Main): 38kg (84 lbs.)
Wire Feeder: Yes	Wire Diameter: .8-1.2 mm (.030-.045")	User Control: Touch Screen Panel	Programs: 32	Dimensions: 667x276x572mm (LxWxH)
Weld Width Up to 4mm+	Steel Fusion: Up to 4mm+ Deep	Stainless Fusion: Up to 4mm Deep	Aluminum Fusion: Up to 3mm Deep	Other Metal Fusion: Up to 2-3mm Deep

Next Generation Welding

Key Features of the RedSabre 1500

- Innovative and efficient multi-fan air-cooled technology greatly reduces the size and weight compared to same wattage water-cooled laser models.
- Low heat input is unrivaled, keeping warping and heat issues in check. Leaves surrounding metal area cool-to-the-touch.
- Fiber Laser technology makes the RedSabre a complete welding system, allowing it to weld, cut and clean with different nozzles and lenses.
- Safety Interlock prevents Laser activation without direct metal contact. E-Stop switch and key switch adds extra level of safety.
- Gun features "On" light to indicate the laser has been triggered and is on and is visible by the operator at all times while welding.
- Low-power visible Red laser is used for an accurate pilot-guide for the 1080 nm "invisible" wave length of the Class 4 main laser.
- Synchronous Wire-Feeder attachment is available to safely feed wire for better fusing options when autogenous welds are not advisable.
- Top-mounted touch screen eliminates control panels with knobs and buttons. Wire feed features similar touch screen programming.
- Easy-to-use functions reduce learning time for inexperienced users.
- Clean welds and remove rust with 3 cleaning functions and lenses.
- Light gauge sheet cutting can be performed with optional lens.



Uses: Aerospace, Automotive, Agricultural, HVAC, Manufacturing, Marine, Motor Sports and Precious Metals

What can the RedSabre Welding System do for you?

Laser technology has come a long way in the last few years. Fiber laser technology that was originally introduced in the 1960's, has recently undergone some major technological developments. It has opened up applications for welding technology. The advent of water-cooled fiber laser welders in the market put laser welders at the forefront of welding technology by offering smaller, hand-held units that can perform multiple roles, including welding, cleaning and cutting. However, water-cooled laser welders are still too bulky and impractical to be considered truly portable. Solid-State Air-cooled fiber laser technology has reduced the total size of the welding system and has made true portability an option.

The Air-Cooled, Fiber laser design of the RedSabre 1500 produces high quality, low distortion welds whether in the hands of a beginner or in the

hands of the pro. It can be used to weld autogenously or can be used with the synchronous wire feeder attachment to add filler. Weld speed can be as much as 3 to 6 times faster than TIG welding with a much smaller HAZ. Common choices of shielding gas are similar to that of MIG and TIG.

With a choice of two cleaning styles, the RedSabre can be used to quickly clean away rust, paint and mill scale in a more environmentally friendly way. It can be used with a wide beam (120mm, 4.75" wide) for cleaning automotive items and painted equipment, or can be used with a narrow beam (30mm, 1.2" wide) to clean up the weld area before and after the weld. This can all be done with simple change or adjustment of the lens.

As an auxiliary function the Red Sabre works well for delivering clean, narrow-kerf cuts on thin gauge metals up to 1.5mm (.060") thick. This is perfect for auto body and HVAC work.

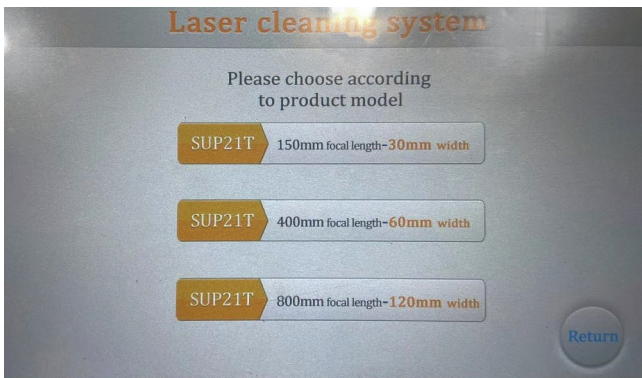
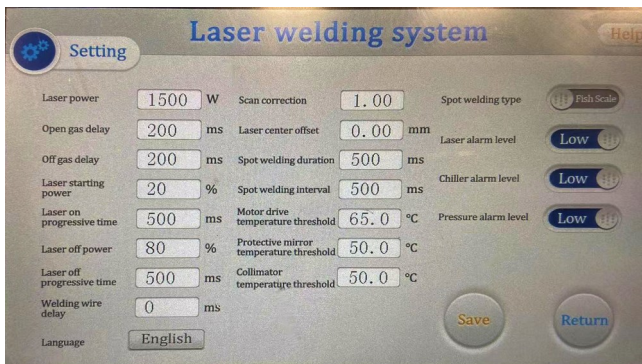
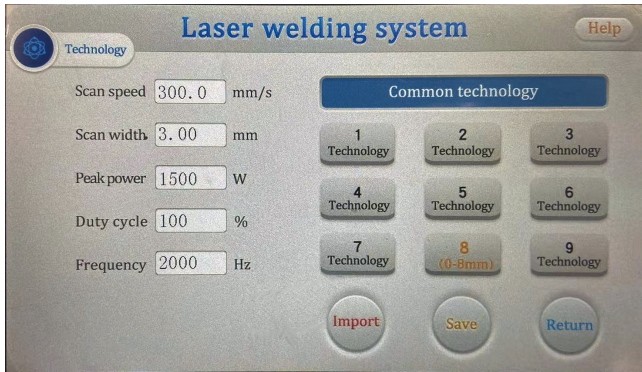
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All specifications, accessories and options are subject to change without notice.

www.everlastwelders.com

Control Panel Interface



Standard Weld Nozzle Types



Wire Feeder



10m Ergonomic Laser Torch with Contact Interlock

