



WELDLOGIC
FORMING & WELDING SOLUTIONS

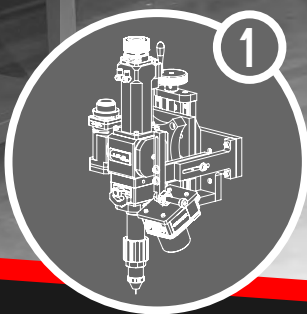
WELDING SOLUTIONS
FOR ADVANCED
MANUFACTURING

PLASMA | TIG | LASER | MIG | SUB-ARC

Want to know more?

CLICK HERE

AWS-LASER WELDING SYSTEM

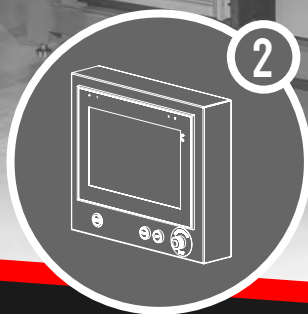


■ LASER HEAD

The Weldlogic family of multimode fiber lasers delivers power outputs from 500 to 2000W with multiple fiber options and excellent beam quality for advanced welding and additive manufacturing performance. The small size of these fiber laser facilitates easy integration into welding automation.

Weldlogic fiber lasers feature true hardware-based back reflection protection, easy onsite servicing and reliable operation in even the harshest manufacturing environments.

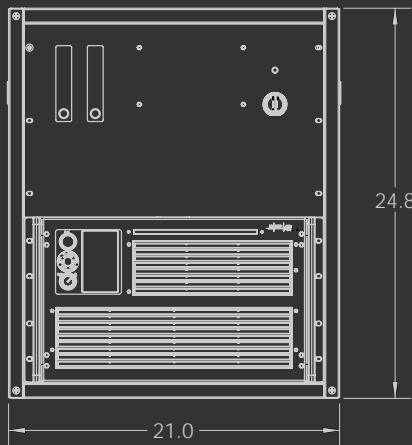
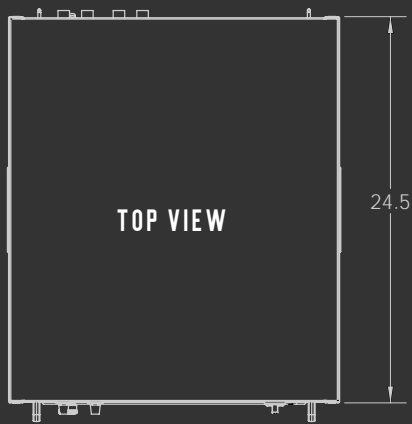
- ▶ **SMALL FORM FACTOR FIBER LASER WITH POWER UP TO 2KW.**



■ PENDANT

KEY FEATURES & BENEFITS

- 500W – 2000W models provide power level options to support a wide range of applications
- Hardware-based back reflection protection allows uninterrupted, failsafe processing of even the most reflective metals with no damage to the laser.
- Easy onsite serviceability maximizes overall uptime and productivity.
- Durable design ensures continuous operation in manufacturing environments.
- Advanced electronics allow faster welding and processing with smaller affected heat zones.



■ SEARCH FOR PERFECTION

Weldlogic continually improves its products to provide customers outstanding quality and reliability. The information contained herein is subject to change without notice. Weldlogic, Inc. shall not be liable for technical or editorial errors or omissions contained herein. Warranties are set forth in express warranty statements accompanying products. Nothing herein should be construed as constituting an additional warranty. For details, please contact your Weldlogic sales representative.



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WELDLOGIC.COM

MODELS	AWS-500L	AWS-1000L	AWS-1200L
► <i>Optical Specifications</i>			
Mode of Operation	CW/Modulated		
Maximum Average Power, CW	500W	1000/1kW	1.2kW
Power Tunability	5 – 100%		
Power Variation, 8-Hour	≤ 1%		
Modulation Frequency	≤ 100 kHz		
Rise and Fall Times	≤ 5 μs		
Beam Quality ¹	≤ 1.1 M ²		
Wavelength	1070 ± 10 nm		
► <i>Electrical Specifications</i>			
Operating Voltage, Single-Phase	200 – 240 VAC		
Operating Voltage Frequency	50/60 Hz		
Control Interface	Ext hardware control/RS-232/Ethernet		
► <i>Mechanical Specifications</i>			
Dimensions	(W x D x H) 533 x 622 x 629 mm		
Optical Fiber ²	5 and 10 m, QBH connector standard		
Cooling Method	Air/Water		
► <i>Environmental Specifications</i>			
Operating Temperature ³	+10 to +40 °C		
Storage Temperature	-10 to +60 °C		
Relative Humidity	10 to 80%		

¹ Measured using 86.5% Power in a Bucket.

² Custom length selections may be available upon request.

³ Non-condensing or with use of CDA.

LASER SAFETY ▼

This laser product does NOT comply with IEC 60825-1 or 21CFR1040.10/21CFR1040.11 and is solely intended to be integrated into a laser product certified by the Purchaser. The Purchaser acknowledges their product must comply with application regulations before it can be sold to an end user.



WELDLOGIC EUROPE

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