



**WELDLOGIC**  
FORMING & WELDING SOLUTIONS

WELDING SOLUTIONS  
**FOR ADVANCED**  
MANUFACTURING

## AWS- Laser Welding System



Plasma | TIG | Laser | MIG | Sub-Arc

**SEE IT IN  
ACTION**



*The Weldlogic family of multimode fiber lasers delivers power outputs from 500 to 10,000W 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 on site servicing and reliable operation in even the harshest manufacturing environments.*

- ▶ Small form factor fiber laser with power up to 10kW.

### KEY FEATURES & BENEFITS

- **LASER HEAD**
  - 500W – 10,000W 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 on site 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.
- **PENDANT**

MODELS	AWS-500L	AWS-1000L	AWS-1200L - 10,000L
► <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 <sup>1</sup>	≤ 1.1 M <sup>2</sup>		
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 <sup>2</sup>	5 and 10 m, QBH connector standard		
Cooling Method	Air/Water		
► <i>Environmental Specifications</i>			
Operating Temperature <sup>3</sup>	+10 to +40 °C		
Storage Temperature	-10 to +60 °C		
Relative Humidity	10 to 80%		

<sup>1</sup> Measured using 86.5% Power in a Bucket.

<sup>2</sup> Custom length selections may be available upon request.

<sup>3</sup> Non-condensing or with use of CDA.

## ■ search for perfection

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## 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.*



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