WELDING SOLUTIONS FOR ADVANCED MANUFACTURING

WELDLOGIC.COM

AWS-LASER WELDING SYSTEM

**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.

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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.

- **Laser Head**
- **Pendant**

**Want to know more?**

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**SPECIAL FORM FACTOR FIBER LASER WITH POWER UP TO 2KW.**
MODELS | AWS-500L | AWS-1000L | AWS-1200L
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**Optical Specifications**
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 Quality1 | ≤ 1.1 M² | | |
Wavelength | 1070 ± 10 nm | | |
**Electrical Specifications**
Operating Voltage, Single-Phase | 200 – 240 VAC | | |
Operating Voltage Frequency | 50/60 Hz | | |
Control Interface | Ext hardware control/RS-232/Ethernet | | |
**Mechanical Specifications**
Dimensions | (W x D x H) 533 x 622 x 629 mm | | |
Optical Fiber2 | 5 and 10 m, QBH connector standard | | |
Cooling Method | Air/Water | | |
**Environmental Specifications**
Operating Temperature3 | +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.

**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.

**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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