# FIBERSTAR WELDING WORKSTATION

7601 Series

# **\*** HIGHLIGHTS

Excellent Pulse Stability +/- 1% Maintenance Free Air Cooled Laser Integrated Beam Expander & Microscope 150 & 300 Watt Models

### 1 Various Microscope Options Available

### 2 Digital Messaging Display

- Automatic Energy Save Mode
- Preventive Maintenance Alerts
- Multi-Language System Display
- Pre-Programmed Applications
- 3 Large Viewing Window

### 4 Multiple Chamber Options

- Tri Door Design
- Low Profile Automation Chamber
- Full Size Automation Chamber (shown)

Worldwide Safety Certification FDA(CDRH), UL, CSA, CE, ETL

Medical Device Components

Battery Welding

Aerospace & Electronics

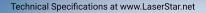


High Value Component Assembly



Spot & Seam Welding Applications

Ideal for a Wide Range of Complex Alloys







#### STABLE, RELIABLE, REPEATABLE PULSE AFTER PULSE

Energy (J)	# Shots	Test Duration	STD. DEV. (mJ)
.150	50	150 SEC.	0.90
.500	50	150 SEC.	1.29
2.00	50	150 SEC.	6.50



Our online laser academy and training courses are designed to provide you with a solid foundation of fundamental system operation skill sets.

www.LaserStarAcademy.com

## FIBERSTAR INDUSTRIAL WORKSTATION

7601 Series

FiberStar Lasing System	Class 1 Safety Enclosure	
Operating Mode	Pulse or Continuous Wave (CW)	
Pulse Length	0. 1 - 250 milli-seconds	
Wavelength	1070 nm	
Pulse Frequency	0.5 - 20 Hz	
Output Power (Watts)	150W / 300W	
Beam Diameter	> 25 micron	
Maximum Peak Power	1.5kW / 3.0kW	
Burst (Count) Mode	1 - 25 pulses	
Binocular Microscope	15x (Optional 20x, 40x)	
Pulse Performance Profile Technology®	Exclusive Integrated Software	
Cooling Capacity- Run Time	Internal Forced Air/ 24h Continuous	
Country Of Origin	USA	

In the interest of technical progress, we reserve the right to make technical changes without notice.

FiberStar **7601 Series Laser Welding Systems** offer cutting edge laser resonator technology which provides high peak power, optimal performance and throughput, higher up-time, enhanced electrical efficiency, and a space saving air cooled design.

Solid state diodes provide instantaneous power with **no "warm up time**" required. Removable laser welding chambers are designed to be **custom configured** for the widest range of laser welding applications. High precision **motion devices** are engineered to integrate into the laser welding system chamber.

The FiberStar Laser Welding Workstation offers a significant competitive advantage for today's **aerospace**, **electronics**, **medical device** and **micro component** assembly marketplace subject to stringent quality requirements.







L A S E R S T A R . N E T

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L A S E R S T A R . T V

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