

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

✓ Micro & Mold Repair Welding

✓ 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


**LASERSTAR
ACADEMY**

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.

Compatible With
MOTIONFX®



LASERSTAR.NET



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LASERSTARACADEMY.COM



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