

**iWELD® WELDING WORKSTATION**

7601 Series

**LASERST R®**  
TECHNOLOGIES★ **HIGHLIGHTS**

- ✓ Excellent Pulse-To-Pulse Stability ( $\pm 1\%$ )
- ✓ Extremely Small Spot Size Range
- ✓ Standard & Micro Welding Modes
- ✓ Power Monitoring Kit (Optional)
- ✓ Available in 150 & 300 Watt Models

★ **Multiple Viewing System Options**★ **Digital Messaging Display**

- ✓ Automatic Energy Save Mode
- ✓ Preventive Maintenance Alerts
- ✓ Multi-Language System Display
- ✓ Pre-Programmed Applications

★ **Large Viewing Window**★ **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.	1.2
2.00	50	150 SEC.	6.50

**LASERSTAR**  
**ACADEMY™**

Our education courses are designed to provide you with a solid foundation of fundamental laser skill sets to immediately gain a revenue impact with your new laser device.

[LaserStarAcademy.com](http://LaserStarAcademy.com)

Technical Specifications at [www.LaserStar.net](http://www.LaserStar.net)

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

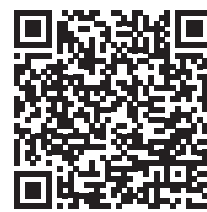
Cooling Capacity Run Time Internal Forced Air/ 24h Continuous

Note: The Technical specs can vary depending on the laser.

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.



**LASERSTAR.NET**

Compatible With  
**MOTIONFX®**



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