

FIBERSTAR® WELDING WORKSTATION

7601 Series



★ HIGHLIGHTS

- ✓ Excellent Pulse-To-Pulse Stability ($< \pm 1\%$)
- ✓ Standard & Micro Welding Modes
- ✓ Maintenance-Free Air Cooled Laser
- ✓ Integrated Beam Expander & Microscope
- ✓ Available in 150 & 300 Watt Models

★ Multiple Viewing System Options

- ✓ 15x to 40x Stereo Binoculars & Trinoculars
- ✓ 15x Ergonomic Dynascope
- ✓ Higher Magnification Digital Options (DVS)

★ Laser Control Touchscreen

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

★ Large Viewing Window

★ Automation Chamber

- ✓ Tri Door Design (with Optional Interlocks)
- ✓ Fixture-Ready Threaded-Hole Base



Laser Safety Compliance
FDA(CDRH), CSA, CE

✓ Medical Device Components

✓ Battery Tab 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

Technical Specifications at www.LaserStar.net

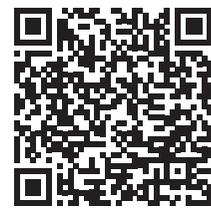
Operating Mode	Pulse or Continuous Wave (CW)
Pulse Width	0.2-75ms
Wavelength	1070nm
Pulse Frequency	0Hz (Single-Shot Fire), 0.5-50Hz
Output Power (Watts)	150W / 300W
Spot Size	> 25 microns
Maximum Peak Power	1.5kW / 3.0kW
Burst (Count) Mode	1-999 pulses
Binocular Microscope	15x (Optional 25x, 40x)
Digital Viewing System (DVS)	Contact Sales for Magnification Options
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.



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Compatible With



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