

# FIBERSTAR® OEM INDUSTRIAL WELDER

## 8700 Series

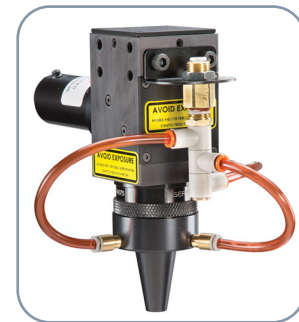


### ★ HIGHLIGHTS

- ✓ Excellent Pulse Stability < +/- 1%
  - ✓ Integrated Beam Expander & Microscope
  - ✓ CW & Pulse Laser Output Modes
  - ✓ QBH Fiber Optic Connection
  - ✓ 150, 300, 450 & 600 Watt Models
- ★ Outstanding Peak Power (up to 10x Average Power)
  - ★ Pulse Performance Profile Technology
  - ★ Available in Single or Multi Mode Models
  - ★ Programmable Beam Expander (BET)
  - ★ Various High Quality Stereo Microscope Options
  - ★ Touchscreen User Interface w/ Remote OIT Option
  - ★ Energy Efficient, Air-Cooled Fiber Laser

Laser Safety Compliance  
FDA(CDRH), CE

- ✓ Medical Device Components
- ✓ Micro & Mold Repair Welding
- ✓ Automotive & Micro Components
- ✓ Computer Components
- ✓ Spot & Seam Welding
- ✓ Aerospace & Electronics
- ✓ Many Complex Alloys



Welding Head with Argon  
Flow Nozzle



## 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)

<b>Laser Source</b>	Ytterbium Fiber Engine
<b>Operating Mode</b>	Pulse or Continuous Wave (CW)
<b>Pulse Width</b>	0.02-50 ms
<b>Wavelength</b>	1070 nm
<b>Pulse Frequency</b>	0Hz (Single-Shot Fire), 0.5-50 Hz
<b>Output Power (Watts)</b>	150 W / 300 W / 450 W / 600 W
<b>Output Power Stability</b>	< +/- 1%
<b>Maximum Peak Power</b>	1.5 kW / 3.0 kW / 4.5 kW / 6.0 kW
<b>Burst (Count) Mode</b>	1-25 pulses
<b>Spot Size</b>	> 25 microns
<b>Motorized Beam Expander</b>	Yes
<b>Cooling Capacity-Run Time</b>	Internal Forced Air / 24H Continuous

**Laser Safety Compliance**  
FDA(CDRH), CE

**FiberStar 8700 series** are fast, efficient, portable OEM fiber laser engines with an integrated beam expander and stereo microscope viewing system.

The laser source is a permanently sealed design that **protects against dust and dirt**, does not require adjustment, maintenance, and has no consumable parts. These features help to ensure the FiberStar systems performance resulting in consistent material processing for **years** of operation.

The **benefits** of **FiberStar** laser technology is that very little heat is generated at the weld point allowing users to easily weld **<0.025mm** from complex, heat sensitive, intricate parts while providing unparalleled **pulse stability of < +/- 1%**.



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**LASERSTAR TECHNOLOGIES CORPORATION**  
1717 Diplomacy Row, Orlando, Florida 32809 USA  
Phone: +1-407-248-1142 ★ Email: sales@laserstar.net