

# FIBERSTAR OEM INDUSTRIAL WELDER

## 8600 Series

**LASERSTAR<sup>®</sup>**  
TECHNOLOGIES

### ★ HIGHLIGHTS

- ✓ Excellent Pulse Stability +/- 1%
- ✓ Maintenance Free Air Cooled Laser
- ✓ 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
- ★ Industry Standard QBH Output Connector
- ★ Three Output Fiber Options (50µm, 100µm, 200µm)
- ★ Digital I/O, Analog Control, RS232, Remote Diagnostics
- ★ Touchscreen User Interface w/ Remote OIT Option
- ★ Energy Efficient, Air Cooled Fiber Laser
- ★ Output Fiber Length 5 Meter

Worldwide Safety Certification  
FDA(CDRH), UL, CSA, 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<sup>®</sup>**  
**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 CNC WELDING WORKSTATION

## 8600 Series

**LASERST R**  
TECHNOLOGIES

FiberStar Lasing System	Class 4
Operating Mode	Pulse or Continuous Wave (CW)
Pulse Length	0.02 - 50 ms
Wavelength	1070 nm
Pulse Frequency	0.5 - 20 Hz
Output Power (Watts)	150W / 300W / 450W / 600W
Output Power Stability	+/- 1%
Maximum Peak Power	1.5kW / 3.0kW / 4.5kW / 6.0kW
Burst (Count) Mode	1 - 25 pulses
Motorized Beam Expander	Optional
Cooling Capacity-Run Time	Internal Forced Air / 24H Continuous

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

**FiberStar 8600 series** are fast, efficient, portable OEM fiber laser engines with a **QBH fiber** optic attachment for **high-speed** spot & seam welding, drilling, and cutting applications.

These **Quasi-CW** systems produce exceptionally **high peak power** making them ideal for a wide range of flashlamp pumped system retrofit applications. **LaserStar's** proprietary system **software** allow users the ability to easily **integrate laser source** for retro-fit applications, high speed assembly operations, motion systems, and custom turnkey solutions.

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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