



FIBERSTAR OEM INDUSTRIAL WELDER

8600 Series



★ HIGHLIGHTS

- ✓ Excellent Pulse Stability $\pm 1\%$
 - ✓ Maintenance Free Air Cooled Laser
 - ✓ CW & Pulse Laser Output Modes
 - ✓ QBH Fiber Optic Connection
 - ✓ 150, 300, 450 & 600 Watt Models
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- ★ 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 (50 μ m, 100 μ m, 200 μ m)
 - ★ 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, ETL

- ✓ 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

Technical Specifications at www.LaserStar.net

FIBERSTAR CNC WELDING WORKSTATION

8600 Series



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
Country of Origin	Designed, Engineered & Built in USA

Note: The technical specs can vary depending on laser.

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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 flahslamp 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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