FiberStar® OEM Industrial Welder

8600 Series

LaserStar 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**

Laser Safety Compliance
FDA(CDRH), CSA, CE

Welding Head with Argon Flow Nozzle

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

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

Laser Source	Ytterbium Fiber Engine
Operating Mode	Pulse or Continuous Wave (CW)
Pulse Width	0.02-50ms
Wavelength	1070nm
Pulse Frequency	0Hz (Single-Shot Fire), 0.5-50Hz
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

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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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