

FIBERSTAR® OEM INDUSTRIAL WELDER

8600 Series



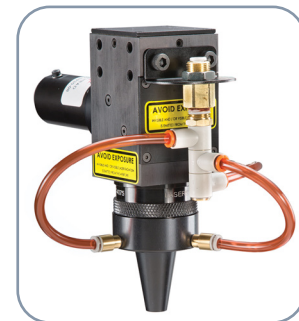
★ HIGHLIGHTS

- ✓ 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), 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

Technical Specifications at www.LaserStar.net

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

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FDA(CDRH), 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 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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