FiberStar® OEM Industrial Welder
8700 Series

LaserStar Technologies

★ 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), 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
8700 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
Spot Size	> 25 microns
Motorized Beam Expander	Yes
Cooling Capacity-Run Time	Internal Forced Air / 24H Continuous

Laser Safety Compliance
FDA(CDRH), CSA, 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 operaton.

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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