

FIBERSTAR® OEM INDUSTRIAL WELDER

8700 Series



★ 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

- ✓ 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

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 operation.

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%**.



LASERSTAR.NET

MOTIONFX®



LASERSTAR.NET



LASERSTARACADEMY.COM



LASERSTARTV™

LASERSTAR.TV

LASERSTAR TECHNOLOGIES CORPORATION
2461 Orlando Central Parkway Orlando, Florida 32809 USA
Phone: +1-407-248-1142 ★ Email: sales@laserstar.net