

FIBERSTAR CNC WELDING WORKSTATION

8900 Series

LASERSTAR
TECHNOLOGIES★ **HIGHLIGHTS**

- ✓ Robust Industrial Open Worktable Design
- ✓ 3 Axis Coordinated MotionFX® Hardware
- ✓ Advanced MotionFX® Integrated Software
- ✓ Operating Modes: Manual, CNC, Teach Mode
- ✓ 150, 300, 450 & 600 Watt Models

- ★ **Portable Joystick Control with Fire Button Control Logic**
- ★ **Robust Work Table w/ Z Axis Adjustment**
(Max Part Weight 300 lbs / 135 kg)
- ★ **MotionFX® CNC X/Y/Z Integrated System**
 - ✓ Manual, Semi, & Full Automatic Modes
 - ✓ Teach-Mode Enabled
 - ✓ Joystick with Fire Button Control Logic
 - ✓ Programmable Touch Screen Display
 - ✓ High Accuracy X/Y/Z Axis Speed Control
 - ✓ Optional Rotary Device
- ★ **Telescoping Laser Rail Assembly with 360° Swivel Positioning**
- ★ **Integrated Windows PC with MotionFX™ Software**
- ★ **Tilting Optical Beam Path Head (Optional)**

Tilting Optical Beam
Path Head

A Must for All Welding Workshops



Ideal for Large Plastic Injection Mold Shops



Tool & Die / Mold Repair Maintenance



Repair Slots, Pockets, Contours & Angles



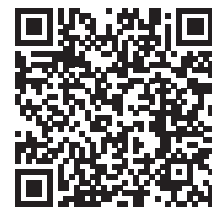
Repair Polished, Textured, Engraved Surfaces



Parting Line Edges & Heat Sensitive Areas



Tool Steel, Aluminum, Copper, Titanium, etc.



LASERSTAR.NET

**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

8900 Series



| | |
|------------------------------------|--|
| Laser Source | Fiber Engine |
| Operator Mode | Pulse or Continuous Wave (CW) |
| Output & Peak Power | 150W (1.5kW) / 300W (3.0kW) 450W (4.5kW) / 600W (6.0kW) |
| Pulse Frequency | 0.5 - 50 Hz |
| Beam Diameter | >75 microns |
| X-Y-Z (tower column) | 400mm x 300mm x 300mm |
| Max Load | 300 lbs (135 kg) |
| XY Resolution (µm) | 12.5 microns |
| Accuracy (Linear Axis Only) | +/- (25 microns) per 25mm of travel |
| Speed (mm/sec) | 15mm/sec |
| Software | CNC MotionFX® w/ Teach-Mode & Manual |
| Joystick | Direct Axis Control, Fire Button |
| Cooling Capacity | Internal Forced Air / 24 hr Continuous Run Time |
| Shielding Gas/Compress Air | Dual - Integrated "Soft Flow" Nozzle |
| Weight | Approx. 260 lbs./118KG |
| Supply Circuit | 208-240 V, 50/60Hz, Single Phase |
| Laser Safety Compliance | FDA (CDRH), CSA, CE |
| Country of Origin | Designed, Engineered & Built in USA |

The **FiberStar 8900 series** is a state of the art, joy stick controlled, 3 axis laser welding system equipped with LaserStar's **MotionFX** G-code programming software.

The open workspace design is ideal for a wide range of **component assembly** and **welding repair applications** including plastic injection molds, dies and tooling repair, complex electronic components, high precision industrial assemblies, pressure sensitive hermetic laser sealing, and other unique industrial applications.

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

FLORIDA (HQ)

2461 Orlando Central Parkway
Orlando, Florida 32809 USA
407-248-1142 Fax: 866-708-5274
Email: sales@laserstar.net



LASERSTARACADMEY.NET

RHODE ISLAND

100 Jefferson Boulevard, Suite 315
Warwick, Rhode Island 02888 USA
407-248-1142 Fax: 866-516-3043
Email: sales@laserstar.net



LASERSTAR.TV

CALIFORNIA

20 East Foothill Boulevard, Suite 128
Arcadia, California 91006 USA
407-248-1142 Fax: 866-347-0934
Email: sales@laserstar.net



FOLLOW LASERSTARTV

