

FIBERSTAR CNC WELDING WORKSTATION

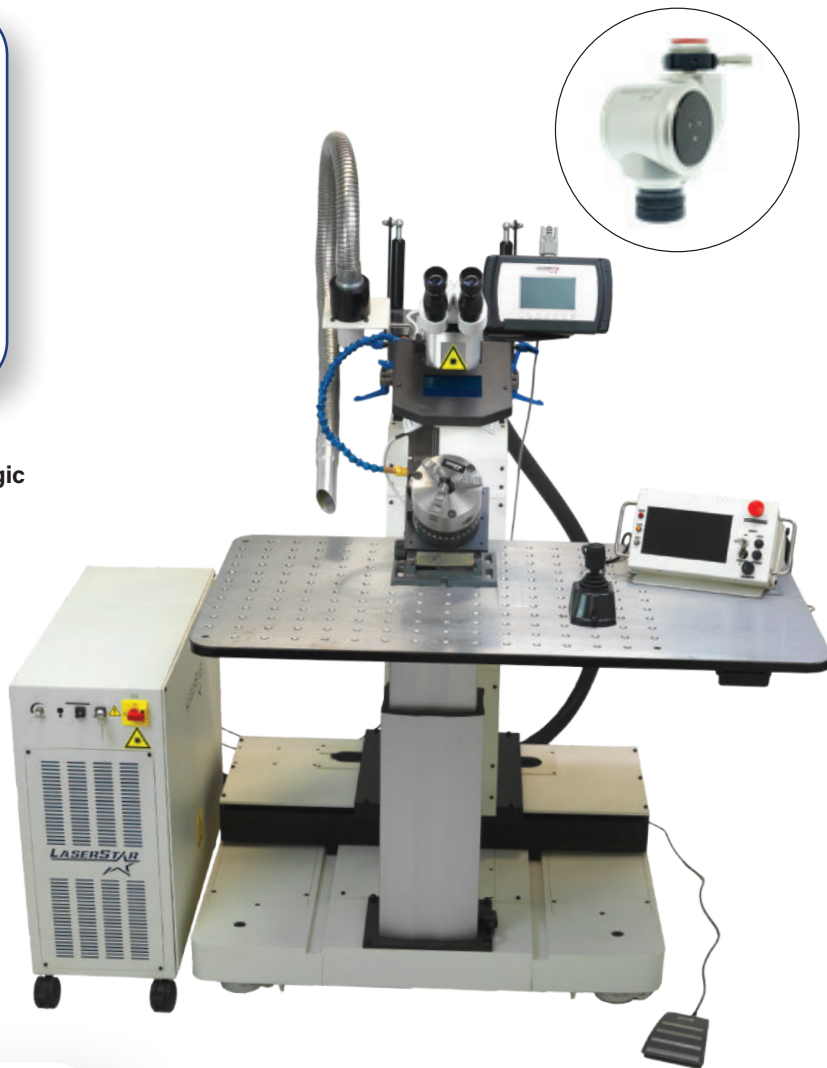
8900 Series

LASERSTAR
TECHNOLOGIES★ **HIGHLIGHTS**

- ✓ Powerful, State-Of-The-Art Design
- ✓ High Precision 3 Axis Coordinated Motion
- ✓ Manual & CNC Programming Modes
- ✓ CW & Pulse Laser Output Modes
- ✓ Available in 150, 300, 450 & 600 Watts

★ **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)**

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**
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.comTechnical 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	200 lbs (91 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 programing 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

LASERSTAR.TV

CALIFORNIA

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



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