LASERS1

FIBERSTAR® CNC WELDING WORKSTATION

8900 Series

★ HIGHLIGHTS

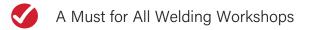
- Robust Industrial Open Worktable Design
- ✓ 3 Axis Coordinated MotionFX® Hardware
- Advanced MotionFX® Integrated Software
- Operating Modes: Manual, CNC, Teach Mode
- 150, 300, 450 & 600 Watt Models

★ 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)





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.







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	Ytterbium 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	0Hz (Single-Shot Fire), 0.5-50Hz
Spot Size	>75 microns
X-Y-Z (tower column)	400mm x 300mm x 300mm
Max Load	300lbs (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. 260lbs./118kg
Supply Circuit	208-240V, 50/60Hz, Single Phase
Laser Safety Compliance	FDA (CDRH), CSA, CE

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%**.





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