

## LASERSTAR® CNC WELDING WORKSTATION

7902 Series



## **HIGHLIGHTS**

- Robust Industrial Open Worktable Design
- Precision 3 Axis Coordinated MotionFX® Hardware
- Advanced MotionFX® Integrated Software
- Operating Modes: Manual, CNC, Teach Mode
- 80 & 150 Watts / Peak Power: 11kW
  - ★ Mulit-Axis Joystick with Fire Button Control Logic
  - ★ Various Microscope Options Available
  - ★ MotionFX® CNC X/Y/Z-Rotary Integrated System
    - ✓ Includes Removable Axis Device
    - 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
    - ✓ Includes Removable Rotary Device
  - ★ Tilting Optical Beam Path Head
  - ★ Pulse Performance Profile® (P³) Shaping Technology









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

## LASERSTAR® CNC WELDING WORKSTATION

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Laser Source	Nd:YAG
Operator Mode	Pulse
Output Power (Watts)	80W & 150W
Pulse Frequency	0.5-50Hz
Spot Size	0.05-2.00mm
X-Y-Z Axis Travel	175mm x 100mm x 150mm
Max Load	50kg (110lbs.)
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 Water-To-Air
Shielding Gas/Compress Air	Dual - Integrated "Soft Flow" Nozzle
Weight	Approx. 1140lbs./517KG
Pedestal Dimensions*	50.5"L x 44.5"W x 66"H / 128cm x 113cm x 167cm
Supply Circuit	208-240V, 50/60Hz, Single Phase

The LaserStar's 7902 Series state of the art, joystick-controlled, 3 axis manual laser welding system equipped with LaserStar's MotionFX® G-code programming software.

Dual operator logic allows for system control via the Joystick and/or Multi-Purpose Touch Screen Display.

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 pressure sensitive hermetic laser sealing, and other unique industrial applications.

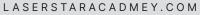






LASERSTAR.NET







LASERSTAR.TV

## LASERSTAR TECHNOLOGIES CORPORATION

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<sup>\*</sup> Motion in lowest/center positions, actual size changes based on position of the axis.