

# FIBERSTAR® CNC IND'L WORKSTATION WITH MOTIONFX®

7601 MFX Series



## ★ HIGHLIGHTS

- ✓ Powerful, State-Of-The-Art Design
- ✓ Excellent Pulse-To-Pulse Stability
- ✓ High Precision 3 Axis Coordinated Motion
- ✓ Manual & CNC Programming Modes
- ✓ Available in 150 & 300 Watts

### ★ All the Benefits of the 7601 Series Workstation

### ★ Various Microscope Options Available

### ★ 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

### ★ Integrated Windows PC with MotionFX™ Software

### ★ Full Size Automation Chamber



✓ Spot & Seam Welding Applications

✓ High Value Component Assembly

✓ Medical Device Components

✓ Aerospace & Electronics

✓ Micro & Mold Repair Welding

✓ General Purpose Welding Shops

✓ Ideal for a Wide Range of Complex Alloys

**Worldwide Safety Certification**  
FDA(CDRH), UL, CSA, CE, ETL



## 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](http://LaserStarAcademy.com)

Technical Specifications at [www.LaserStar.net](http://www.LaserStar.net)

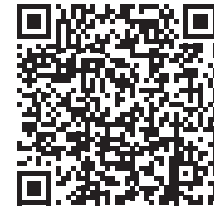
# FIBERSTAR® CNC INDUSTRIAL WORKSTATION WITH MOTIONFX® LASERSTAR TECHNOLOGIES

7601 MFX Series

<b>Laser Source</b>	Fiber Engine
<b>Operator Mode</b>	Pulse or Continuous Wave (CW)
<b>Output &amp; Peak Power</b>	150W (1.5kW) / 300W (3.0kW)
<b>Pulse Frequency</b>	0.5 - 50 Hz
<b>Beam Diameter</b>	>75 microns
<b>X-Y-Z Axis Travel</b>	175mm x 100mm x 150mm
<b>Max Load</b>	50 kg (110 lbs.)
<b>XY Resolution (µm)</b>	12.5 microns
<b>Accuracy (Linear Axis Only)</b>	+/- (25 microns) per 25mm of travel
<b>Speed (mm/sec)</b>	15mm/sec
<b>Software</b>	CNC MotionFX® w/ Teach-Mode & Manual
<b>Joystick</b>	Direct Axis Control, Fire Button
<b>Cooling Capacity</b>	Internal Forced Air / 24 hr Continuous Run Time
<b>Shielding Gas/Compress Air</b>	Dual - Integrated "Soft Flow" Nozzle
<b>Weight</b>	Approx. 260 lbs./118KG
<b>Pedestal Dimensions</b>	37.5"L x 15.8"W x 44"H / 95cm x 40cm x 112cm
<b>Supply Circuit</b>	208-240 V, 50/60Hz, Single Phase
<b>Laser Safety Compliance</b>	FDA (CDRH), CSA, CE
<b>Country of Origin</b>	Designed, Engineered & Built in USA

The integrated MotionFX® CNC X/Y/Z with Rotary System allows the user to benefit from pin-point laser welding accuracy with a highly accurate, multi-axis motion device. The 7601 MFX is designed to perform welding applications in Manual Mode, Semi-Manual Mode, or Full CNC Automation Mode. MotionFX® Software provides a variety of "programmable assist" features to ensure the best results possible.

Dual operator logic allows for system control via the Joystick and/or Multi-Purpose Touch Screen Display. Ideal for a wide range of applications including unique part welding & repair, small batches of parts, process & prototype development, fully automated CNC welding.



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