



FIBERSTAR® CNC IND'L WORKSTATION WITH MOTIONFX®

7601 MFX Series



★ HIGHLIGHTS

- ✓ All the Benefits of the 7601 Series
- ✓ 3 Axis Coordinated MotionFX® Hardware
- ✓ Advanced MotionFX® Integrated Software
- ✓ Operating Modes: Manual, CNC, Teach Mode
- ✓ 150 & 300 Watts / Single and Multi-Mode Models

★ 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



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

Laser Source	Fiber Engine
Operator Mode	Pulse or Continuous Wave (CW)
Output Power (Watts)	150 W / 300 W
Pulse Frequency	0.5 - 50 Hz
Beam Diameter	>75 microns
X-Y-Z Axis Travel	175mm x 100mm x 150mm
Max Load	50 kg (110 lbs.)
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
Pedestal Dimensions	37.5"L x 15.8"W x 44"H / 95cm x 40cm x 112cm
Supply Circuit	208-240 V, 50/60Hz, Single Phase
Laser Safety Compliance	FDA (CDRH), CSA, CE

The integrated MotionFX® CNC X/Y/Z Rotary Systems allow the User to benefit from pin-point laser welding accuracy coupled 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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