



FIBERSTAR® COMPACT WORKSTATION

7604 Series



★ HIGHLIGHTS

- ✓ Excellent Pulse-To-Pulse Stability
- ✓ Standard, Micro & CW Welding Modes
- ✓ Maintenance-Free Air-Cooled Laser
- ✓ Adjustable Floor Stand Included
- ✓ Available in 150 W/1.5 kW Model

★ Multiple Viewing System Options

- ✓ 15x to 40x Stereo Binoculars & Trinoculars
- ✓ 25x-115x Digital Viewing System Options

★ Laser Control Touchscreen

- ✓ Automatic Energy Save Mode
- ✓ Preventive Maintenance Alerts
- ✓ Multi-Language System Display
- ✓ Pre-Programmed Applications

★ Large Viewing Window

★ Automation Chamber

- ✓ Tri Door Design (with Optional Interlocks)
- ✓ Fixture-Ready Threaded-Hole Base



✓ 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

Laser Safety Compliance
FDA(CDRH), 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

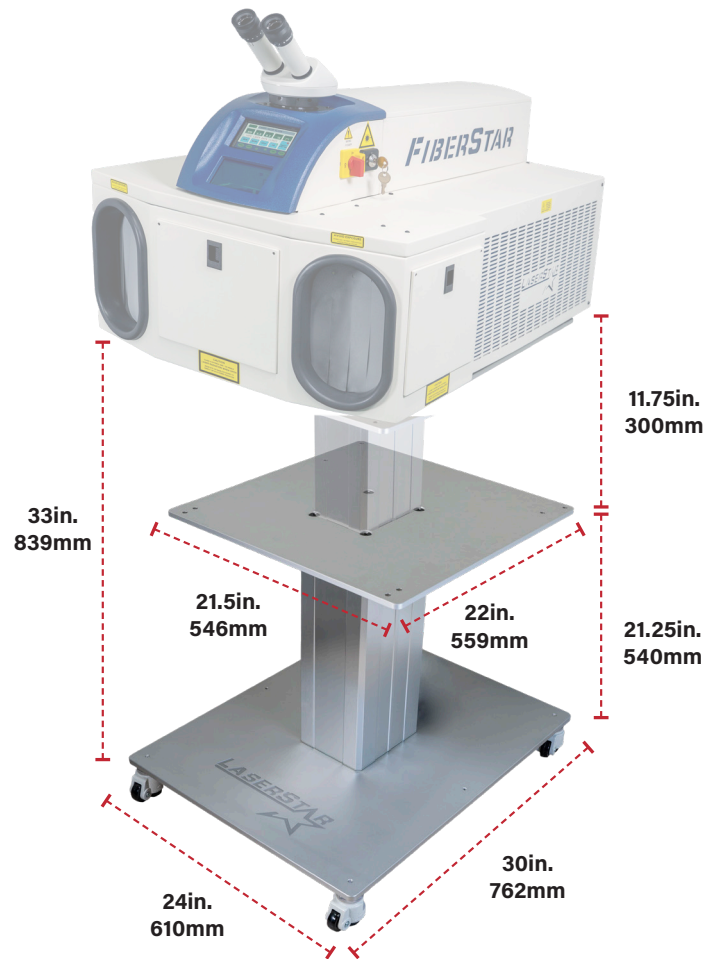
Technical Specifications at www.LaserStar.net

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System Platform	Pedestal
Beam Delivery Presentation	90°
Wavelength	1070 nm
Operating Mode	Standard Mode, Micro or CW (Continuous Wave)
Polarization	Random
Output Power Stability	< +/-1%
Output Power (Average)	150 W
Maximum Peak Power	1.5 kW
Beam Output Mode	Single or Multi-Mode
Pulse Width	0.2-75 ms
Pulse Frequency	0 Hz (Single-Shot Fire), 0.5-20 Hz
Burst (Count) Mode	1-999 pulses
Spot Size	> 25 micron
Cooling System	Internal Forced Air
Cooling Capacity-Run Time	24 Hour / Continuous
Supply Circuit	240 V, 50/60 Hz, 20 AMP, 1 Phase
Stereo Microscope	15x (optional 25x, 40x)
Digital Viewing System (DVS)	25x-115x (optical dependent)
Parameter Adjustment Features	External Touchscreen In Chamber Joystick
Programming Memory	79 Text Cells
Language Display Options	English
Motorized Beam Expander	Yes
Shield Gas Supply	Integrated "Soft Flow" Nozzle
Inert Gas Chamber Adjust Value	Dual - Integrated
Welding Chamber Dimensions (*To Focus Area)	12" L x 24" W x 6.2" H* 306 mm x 346 mm x 156 mm*
Workstation "Footprint" Dimensions (Without Stand)	38" L x 24" W x 19.3" H 964 mm x 602 mm x 491 mm
Approx. Weight (Unpackaged)	180 lbs. / 80 kg
Warranty Coverage (Parts & Labor)	As Quoted



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LASERSTAR TECHNOLOGIES CORPORATION
1717 Diplomacy Row, Orlando, Florida 32809 USA
Phone: +1-407-248-1142 ★ Email: sales@laserstar.net