

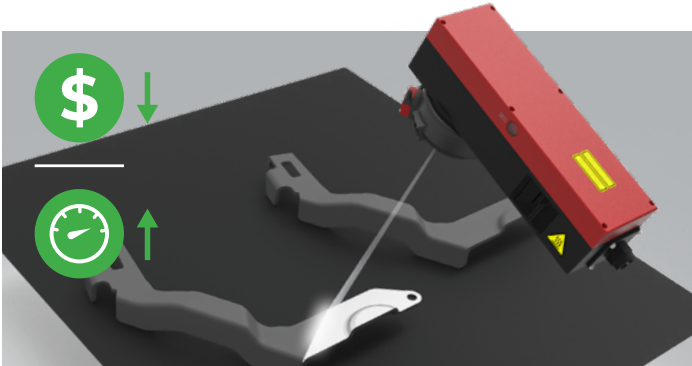


MANUAL CLEANING WORKSTATION

LOW POWER FIBER LASER MARKING SYSTEM

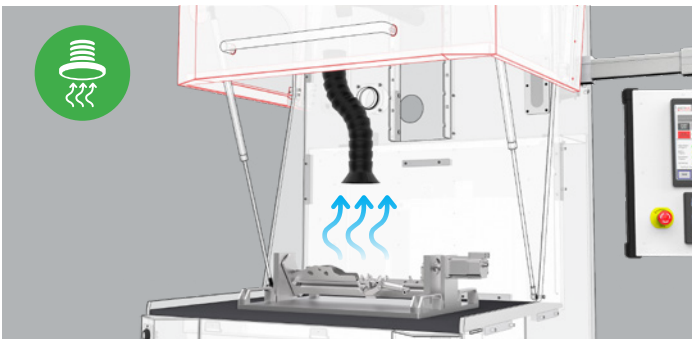
The Manual Cleaning Workstation integrates the powerful LXQ Series fiber laser in an affordable, off-the-shelf workstation. It is the go-to solution when the cycle time makes it possible to manually load and unload parts.

With its ergonomic design and Class-1 enclosure, the workstation can be used to clean and texture various small parts. Several options are available to meet your technical requirements, such as a focal length adjustment for more flexibility, a rotary axis to clean several surfaces, or an upgraded 3D laser head to process curved shapes.



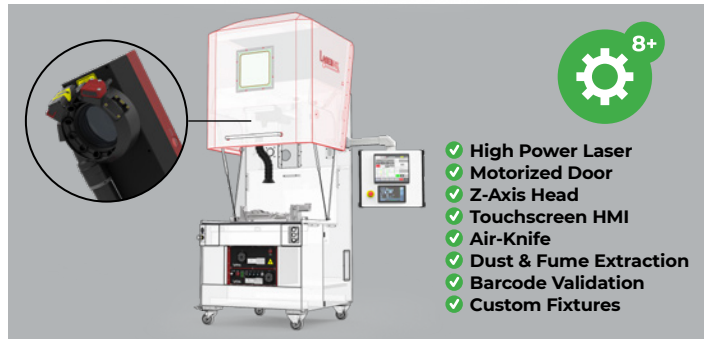
COST EFFECTIVE

The manual cleaning workstation is production ready, allowing you to minimize your investment for laser cleaning while benefiting from the high performance of our LXQ Series fiber laser. Your machine parameters are configured and optimized by our laser experts according to your application.



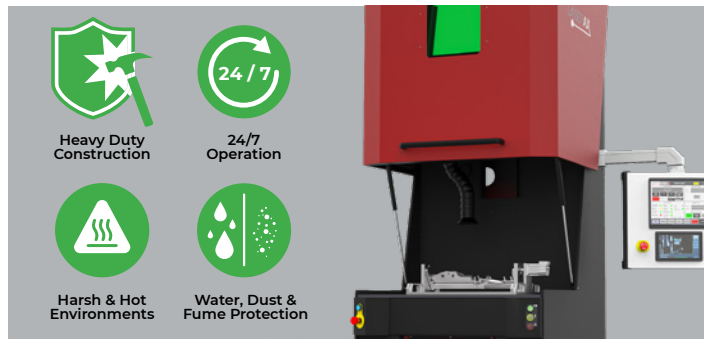
INTEGRATED & FLEXIBLE FUME EXTRACTION

Efficiently managing dust and fumes is essential to maintain the repeatability of the laser process and keep the air clean for your employees. The workstation's exhaust system can be connected to your extraction unit or to a fume filtration system provided by Laserax.



CUSTOMIZED TO YOUR NEEDS

Choose from a large selection of features such as laser power, user interface, dust management, quality control and automation level to adapt the solution to your requirements. You can always add other peripherals later to meet evolving requirements.



ROBUST AND ERGONOMIC INDUSTRIAL BUILD

Laser cleaning and laser texturing require precision. The solid industrial frame of our workstation ensures a reliable process regardless of your production volume. Operators will also appreciate the ergonomic design that facilitates their work and improves their performance.

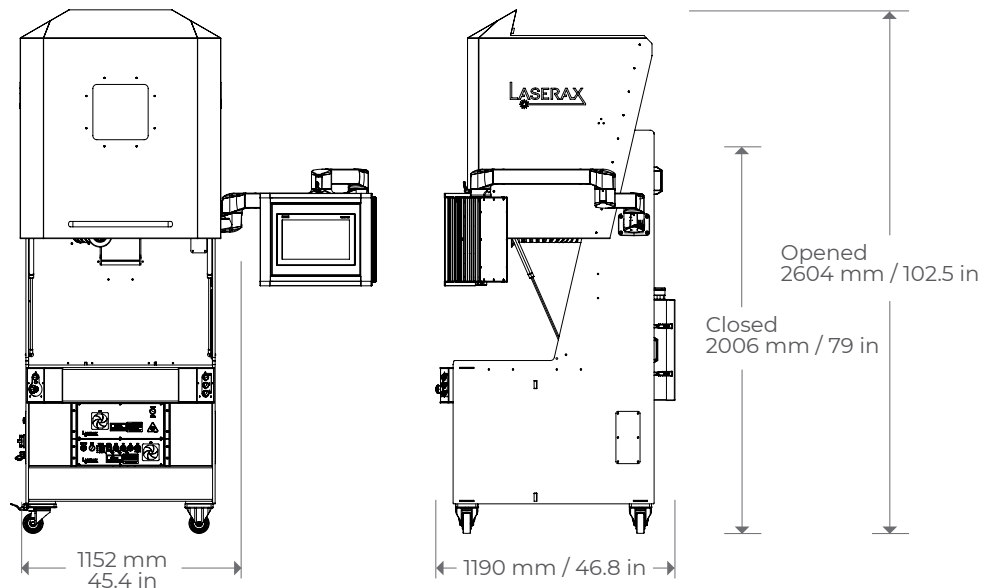
TECHNICAL SPECIFICATIONS

MANUAL CLEANING WORKSTATION (MCW)

Laser Power	20W, 30W, 50W, 100W
Laser Type	Ytterbium-doped fiber
Wavelength	1064 nm
Laser Source MTBF	100,000 hours
Laser Process	Cleaning & Texturing
Typical Weight	650 kg
Cooling	Air cooling
Power Requirements	120V, 230V, 240V / 15-40 AMP
Power Consumption	1.5 kW to 5.8 kW
Operating Temperature	10°C to 35°C
Communications	Ethernet/IP, PROFINET
Multi-Parts Marking	Performed with fixturing
Door Opening Duration	3 s
Maximum Part Dimensions (W x D x H)	650 x 600 x 370 mm
Part Material	Aluminium, Zinc, Magnesium, Steel, Iron (All Metals)
Part Positioning Tolerance	Cleaning +/- 3 mm Texturing (Engraving) +/- 1 mm
General Dimensions (W x D x H)	1400 x 1200 x 2000 mm



TYPICAL DIMENSIONS



INDUSTRIAL LASER SOLUTIONS
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