

LASERSTAR® 300 WATT PULSE LASER CLEANING MACHINE

4103-M Series



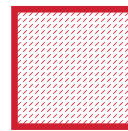
★ HIGHLIGHTS

- ✓ Robust, Powerful Heavy Duty Design
- ✓ Advanced Back Reflection Isolator Technology
- ✓ Detachable Handheld Scanner w/ Pointers
- ✓ 300 Watt Pulse Fiber Air-Cooled Laser Source
- ✓ Comprehensive 2 Year Limited Warranty

LaserStar's 300 Watt Pulse MOPA Laser Cleaning Machine is a powerful, high precision pulse laser cleaning machine engineered to emit rapid, high-intensity bursts of light that create micro-shockwaves to shatter coatings, making them ideal for delicate surfaces like wood, thin sheet metal, aluminum, and intricate engine parts. Ideal for manufacturers and repair facilities who demand faster and safer surface preparation techniques, while offering high throughput, minimal thermal damage, and precision cleaning.



Shown: 300 Watt Laser Cleaning Machine



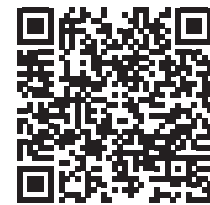
Remove Rust



Remove Paint



Remove Oil Stains



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✓ Rust, Corrosion, Paint and Coating Removal

✓ Surface Preparation for Welding or Bonding

✓ Plastic & Rubber Mold Cleaning

✓ Oil, Grease and Oxide Layer Removal

✓ Artifact and Monument Cleaning

✓ Remove Graffiti, Mold and Mildew

✓ Microbial Cleaning / Sanitizing / Decontamination



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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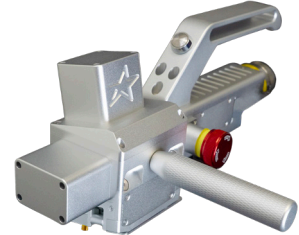


Laser Type	MOPA Pulse Fiber Laser (Air-Cooled)
Wavelength	1080 nm
Max Average Power	300 Watt
Pulse Width	10 ns to 500 ns
Pulse Frequency	Up to 4000 kHz
Pulse Energy	5 mJ
Scanner Controls	On/Off Button & Emergency Stop
Scanner Hand Grip	Left Handed or Right Handed Setup for Easy Operation
Scanner Weight	2 kg (4.4 Pounds)
Fiber Cable Length	8 Meters (26 Feet)
Focal Distance	Dual Red LED Pointers (Integrated)
Scanner Patterns (13)	Circle, Spiral, Square, Cross, Linear, etc.
F-Theta Lens - Default	254 mm (100 x 100 mm)
F-Theta Lens - Additional	330 mm (120 mm x 120 mm) or 420 mm (200 x 200 mm)
Supply Circuit	230 V, Single Phase, 30 A, 50/60 Hz
Power Cord	5 Meter (16.4 Feet) w/ Industrial Power Connector
Controller	Integrated Touch Screen
Device Languages	English, Spanish, German, French, Portuguese, Italian, Russian, Japanese, Korean, Malay, Chinese
Operating Temperature	10 to 40 °C (32 to 104 °F)
Storage Temperature*	(-10) to 60 °C (14 to 140 °F)
Safety Interlock	Yes - Connect To Doors, Enclosure, Robotics, Etc.
Laser Safety Class	Class 4 / Open
Dimensions (w/ Light Down)	669 x 987 x 1193 mm (26.4" x 38.9" x 47")
System Weight	210 kg (463 Pounds)
Warranty	Limited 2 Years Warranty

MOPA laser cleaning is effective on a wide range of materials and industries:

- Metal Surface Treatment
- Artifact & Monument Cleaning
- Welding Surface Prep Cleaning
- Rubber Surface Texturing
- Wood Cleaning & Restoration
- Stone & Concrete Cleaning
- Remove Organic Materials
- Painted or Coated Surfaces
- High Precision Mold Cleaning
- Automotive Industry
- Aerospace Industry
- Marine Industry
- Oil and Gas Industry
- Plastic Injection Mold Industry
- Tool, Die & Metal Fabrication
- Nuclear Decontamination

Deachable Handheld Scanner



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