



Handheld & Mobile Surface Preparation System

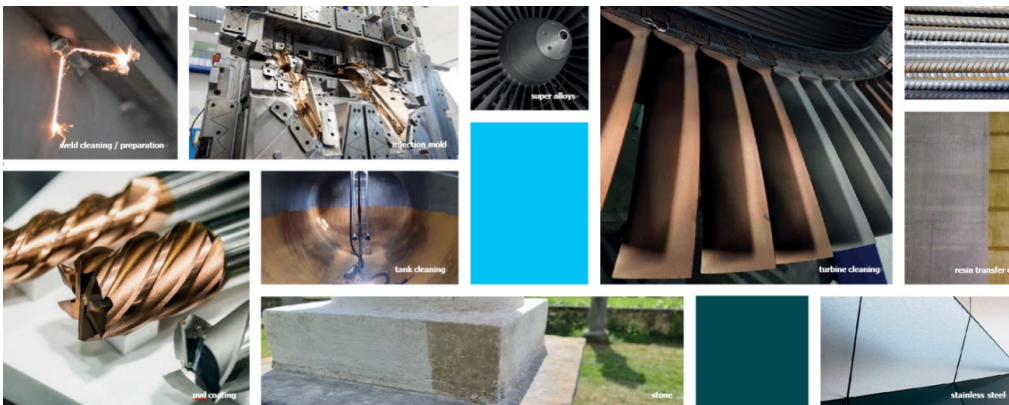
FLCP series are a heavy duty, industrial-grade, laser cleaning and surface treatment system for large areas requiring cleaning, repainting and other surface preparation operations. This handheld mobile cleaning machine offers a non-abrasive cleaning process that is safer, easy to use and more eco-friendly.



The FLCP series enables diverse applications from the automotive, pharmaceutical, and food industries to production companies across various sectors, with materials ranging from stainless steel to aluminum, machine steel, copper, super alloys, depending on the material composition, level of contamination, and laser type employed.

The FLCP's pulse laser plays a crucial role in laser cleaning, where the laser beam is extremely focused. It is particularly effective for removing tough layers like oxide on newly welded surfaces. Additionally, the compact water-cooled system of FLCP allows it to be utilized in hard-to-reach areas.

FLCA is the most cost effective, efficient and safe surface treatment solution for industrial applications



See FLCP working

Different materials, precision and effect requirements can be adjusted through parameter settings. Please consult MROdin professional team for more information.

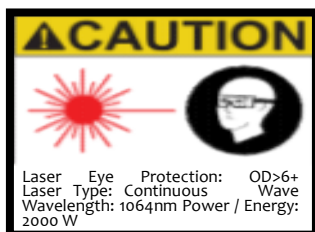
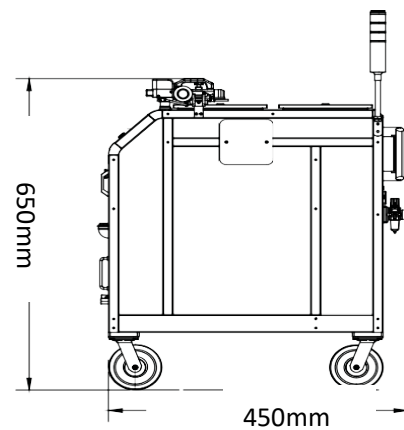
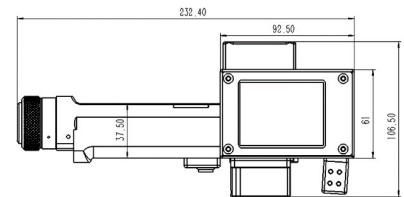


Fiber Laser cleaning machines are Class IV laser equipment that incorporate additional safety measures for easy and safe operation across all industries and work environments. Safety requirements for FLCP series include wearing laser safety goggles to protect eyes from harmful radiation, using protective gloves and clothing to avoid skin exposure, and ensuring proper ventilation to disperse fumes. Additionally, machines should be operated in designated safety zones with appropriate warning signs and safety protocols.

» No Dangerous Chemicals » No Hazardous Fumes » No Complex Cleaning Procedures

SYSTEM SPECIFICATIONS

Model	FLCP20200	FLCP20300	FLCP20500
Power Output	200 Watt	300 Watt	500 Watt
Pulse Frequency	10-50 kHz	20-50 kHz	10-50 kHz
Overall Power	≤2500 W	≤3500 W	≤4500 W
Wavelength	1064 nm		
Operating Mode	PULSE fiber laser		
Cable Length	10m (8m or 12m optional)		
Laser Pattern	5 Pattern Presets		
User Interface	7" Touch Screen Panel		
Operational Voltage	110V/220V-380V 3ph, 50-60Hz,		
Unit Weight	180/200 kgs		
Operating Temperature	0-40°C (32°-104°F)		
Cooling System	Built-in Water-Cooling Unit		
Safety Features	Emergency Stop, Key Switch, Remote Interlock, Reset & Emission Indication		



Safety Considerations During Operation 1064 nm wavelength laser light emitted from this laser system is invisible and may be harmful to the human eye. Proper laser safety eyewear must be worn during the operation.



Requirements beyond those listed herein will be quoted upon request. For assistance in determining which capabilities will best suit your needs, contact MRodin Laser Machinery S.L. or visit our website www.MRodin.es

21 CFR 1040.10 Compliance

This equipment is a Class IV laser as designated by the CDRH and does not meet the full requirements as a stand-alone laser system as defined by 21 CFR 1040.10 under the Radiation Control for Health and Safety Act of 1968. It is the user's responsibility to utilize all integrated safety features of the system to exploit as compliant with 21 CFR 1040.10.

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