Handheld Mobile CW Fiber Laser
FLCA wobble series cleaning machine

Laser Cleaning | Laser Engraving | Laser Marking

Handheld & Mobile Surface Preparation System

Laser cleaning is a new technology, it is becoming more prevalent with handheld mobile systems. There are many cost, health, safety and environmental benefits to using laser cleaning as an alternative to abrasive blasting or chemical cleaning.

Eco-Friendly | Renewable | Budget Friendly

The FLCA single axis series

Comparing with traditional industrial cleaning methods blow dirt and sometimes harmful substances around, FLCA wobble cleaning machine only consume a limited amount of energy and can be sure of a long service life. Also you can clean on the spot without hermetically sealing the area.

MRodin's wobble laser cleaning machine provides industrial cleaning services that quickly and cost-efficiently clean heavy machinery parts reduce overhaul maintenance periods. Removes rust, dirt, soot, grease and oil which can build up in difficult to reach places and on finely machined parts.

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

PROCESS APPLICATIONS		MATERIALS	
• Laser Ablation	• Degreasing	• Steel	• CFRP
• Laser Cleaning	• Induced Surface Prep	• Iron	• Plastic
• Paint Stripping	• Rust & Corrosion Removal	• Ceramic	• Silicon
• Surface Texturing	• Precise Paint removal	• Aluminum	• Metal Alloys
• Surface Conditioning	• Mold Cleaning	• Brass	• Cast Iron
• Pre-Adhesion Treatment	• Zinc Removal	• Titanium	• Carbide
• Pre-Weld Preparation	• Anodization Removal	• Copper	• Chrome
• Post-Weld Treatment	• Oxide Removal	• Concrete	• Galvanized Metals

See FLCA working

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MRodin Safety Features

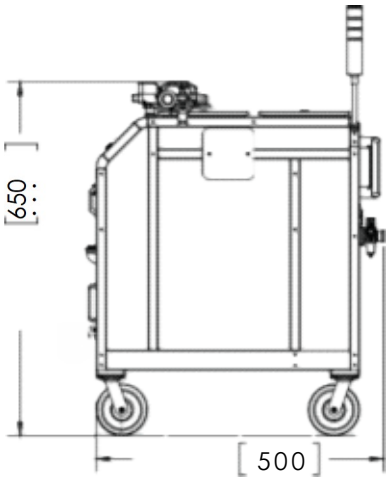
OEM ORIGINAL EQUIPMENT MANUFACTURER

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. FLCA wobble series ensures safety by using controlled oscillations for precise marking without damaging the surrounding material. Operators must wear laser safety goggles to protect against harmful radiation and follow proper machine handling procedures. The non-contact marking minimizes physical risks, while integrated safety systems further protect users during operation.

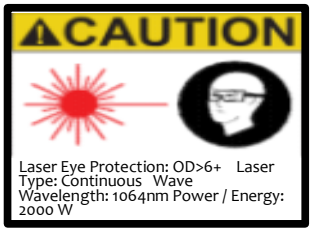
» No Dangerous Chemicals » No Hazardous Fumes » No Complex Cleaning Procedures

SYSTEM SPECIFICATIONS

Model	FLCA21500	FLCA22000	FLCA23000
Power Output	1500 Watt	2000 Watt	3000 Watt
Laser Safety Class	Class IV		
Wavelength	1064 nm		
Operating Mode	CW Continuous laser source		
Cable Length	8m (10mor 12m optional)		
Laser Pattern	Single Pattern Presets		
User Interface	7" Touch Screen Panel		
Operational Voltage	380v 3ph, 50-60Hz, 40A		
Unit Weight	126kg (277.8lbs)		
Operating Temperature	0-40° C (32°-104° F)		
Cooling System	Built-in Water-Cooling Unit		
Relative Humidity	30-85% non-condensing		
Safety Features	Emergency Stop, Key Switch, Remote Interlock, Reset & Emission Indication		



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



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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