



## Handheld & Mobile Surface Preparation System

FLCA single series applies across various industries, including stainless steel, aluminium, machine steel or copper, as well as plastics and even wood. Depending on the specific application at hand, it is crucial to meticulously program the pulse frequency and pulse energy of the laser.



Eco-Friendly



Renewable



Budget Friendly



## The FLCA single axis series

Perfect for removing paint, corrosion, rust, contaminants from angled surfaces, weld cleaning, flange and gasket cleaning, or simple general surface cleaning at your industrial site. With no collateral waste or environmental pollution, FLCA single series can be used on a variety of substrates including: metals, composites, stone & cement and other organic materials.

The FLCA single series laser technology is renowned for its exceptional quality and reliability. It ensures impeccable results without any damage, as it effectively eliminates rust, paint, coatings, oil, or other residues from the underlying materials. It collaborate exclusively with reputable suppliers who provide high-quality and dependable components.

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

PROCESS APPLICATIONS		MATERIALS	
<ul style="list-style-type: none"> <li>• Laser Ablation</li> <li>• Laser Cleaning</li> <li>• Paint Stripping</li> <li>• Surface Texturing</li> <li>• Surface Conditioning</li> <li>• Pre-Adhesion Treatment</li> <li>• Pre-Weld Preparation</li> <li>• Post-Weld Treatment</li> </ul>	<ul style="list-style-type: none"> <li>• Degreasing</li> <li>• Induced Surface Prep</li> <li>• Rust &amp; Corrosion Removal</li> <li>• Precise Paint removal</li> <li>• Mold Cleaning</li> <li>• Zinc Removal</li> <li>• Anodization Removal</li> <li>• Oxide Removal</li> </ul>	<ul style="list-style-type: none"> <li>• Steel</li> <li>• Iron</li> <li>• Ceramic</li> <li>• Aluminum</li> <li>• Brass</li> <li>• Titanium</li> <li>• Copper</li> <li>• Concrete</li> </ul>	<ul style="list-style-type: none"> <li>• CFRP</li> <li>• Plastic</li> <li>• Silicon</li> <li>• Metal Alloys</li> <li>• Cast Iron</li> <li>• Carbide</li> <li>• Chrome</li> <li>• Galvanized Metals</li> </ul>

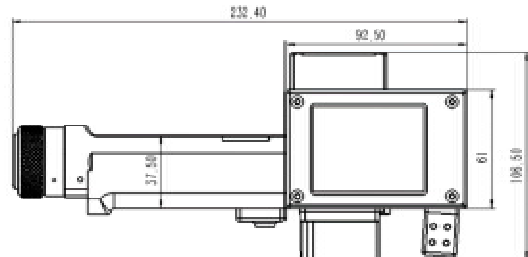
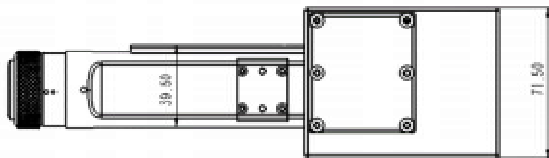


See FLCA working



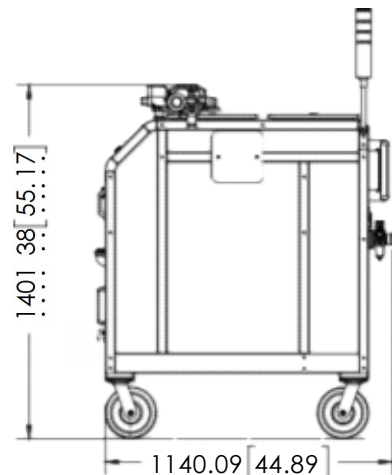
Fiber Laser cleaning machines are Class IV laser equipment that incorporate additional safety measures for easy and safe operation across all industries and work environments.

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

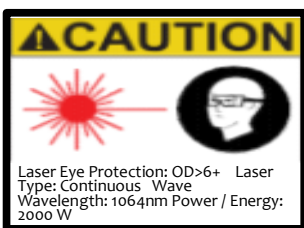


### SYSTEM SPECIFICATIONS

Model	FLCA11500	FLCA12000	FLCA13000
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 (10m or 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](http://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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