



Mobile phone connection

Compact size Multi-material marking

2/5W & 2/10W portable dual light laser engraver features dual light technology with 455 nm blue light and 1054 nm red light, 2 different power 5w & 10w of red lights. The MPDL series is enabling marking on a wide variety of materials, including metal, plastic, glass, ceramic, stone, and even food. With a 0.05mm spot size, it offers marking precision that is nearly twice as accurate as



Pay for What you get



Durable service life



Compact size

The portable dual light laser engraver is a world-leading machine, featuring a 2W infrared laser for all metal materials and 5/10W diode lasers for cutting and engraving wood, acrylic, and more. It can cut 10mm wood and 6mm acrylic, making it perfect for customizing business cards, wood blanks, dog tags, tumblers, and even performing rust removal.

The MPDL is one of the easiest laser markers to use, driven by tech-Plug and play. It sets up in seconds and works seamlessly with smartphones or PCs to transfer images and adjust power/depth. With just a few clicks, you can start engraving right away.

Personality Traceability Branding for Industrial & DIY

Metals

- ✓ Stainless Steel
- ✓ Steel
- ✓ Copper
- ✓ Brass
- ✓ Gold and Silver
- ✓ Titanium
- ✓ Aluminum (anodized aluminum)

Non-metals

- ✓ Ceramics
- ✓ Glass
- ✓ Rubber
- ✓ Wood
- ✓ Leather
- ✓ Plastics
- ✓ ABS, PVC, Polycarbonate etc

— Metal Engraving Effect



— Other Material Engraving Effects



Laser Class 1 -Your safety Our Mission

The MPDL series dual light laser engraver ensures safe operation with its fully enclosed structure, preventing direct exposure to harmful beams. It meets international safety standards, making it suitable for use without the need for additional protective eyewear. The MPDL series is ideal for environments that require high precision, offering maximum user protection during operation.



Computer
Connection



Mobile Phone
Connection



Multi-material
Engraving



Self-developed
Software



High Precision
Engraving



Small and
Portable

The MPDL series features ultra-galvanometer systems, offering the mini laser engraver exceptional motion accuracy of 0.00199mm and repetition accuracy of 0.000248mm, ensuring 100% reprint photo details. This dual light laser engraver showcases advanced algorithms, enabling precise, clear, and high-quality engravings, even capturing fine details like hair with remarkable precision.

Technical Specification

MRodin model	MPDL200005	MPDL20010
Laser source wattage	2W +5W	2W+10W
Machine power	100 Watt	100 Watt
Laser type	Pulse laser	Pulse laser
Laser wavelength	1064 nM & 455nM	1064 nM & 455nM
Pulse repetition frequency	1-4000 kHz	1-4000 kHz
Marking depth	0.01-0.1 mm	0.01-0.1 mm
Marking speed	4000 mm/s	4000 mm/s
Li-ion battery capacity	20V-5A	
Rechargeable time	3-4 hours	
Scan area (standard)	55 *55 mm	
Cooling mode	Built-in air-cooling	
Focusing method	Fixed focus shell	
Software	RodinCAD 16 multilingual	
Compatible Systems	WIN10+ANDROID 7.0+iPhone iOS	
Electrical parameters	Li-ion battery DC20V (support charging bank power)	
Laser safety class	Class 1	
Machine size	L108*H271*W288 mm	
Package & N/G weight	Foam box 330*130*300 mm 2/3.5 kgs	

This equipment is classified as a Class 1 laser by the CDRH and does not fully meet the requirements of a stand-alone laser system as outlined in 21 CFR 1040.10 under the Radiation Control for Health and Safety Act of 1968. Users are responsible for utilizing all integrated safety features of the system to ensure compliance with 21 CFR 1040.10..IMPORTANT NOTICE:All specifications, technical data, and other information contained in this document, as well as statements regarding the identified product(s), are preliminary and provided "as is," without warranty or assurance of any kind. Mrodin Laser Machinery makes no representation or warranty, express or implied, regarding the product(s) or their specifications. All information is subject to change. For more details, please contact Mrodin Laser. *Mrodin Laser* and *Mrodin* logos are trademarks of Mrodin Laser Machinery S.L. Other trademarks are the property of their respective owners.

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