



Mobile phone connection

Compact size Multi-material marking

The MPDL series features dual light technology with 455 nm blue light and 1054 nm red light, 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 other options, making it an excellent choice for industries requiring high-end industrial lasers.



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	Non-metals
√ Stainless Steel	√ Ceramics
√ Steel	√ Glass
√ Copper	√ Rubber
√ Brass	√ Wood
√ Gold and Silver	√ Leather
√ Titanium	√ Plastics
√ Aluminum (anodized aluminum)	√ 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	5W 455nm+2W 1064nm	10W 455nm+2W 1064nm
Machine power	100W	100W
Laser wavelength	455nm & 1064 nm	455nm & 1064 nm
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
Scan area (standard)	55 *55 mm	
Cooling mode	Built-in air-cooling	
Focusing method	by Fixed focus shell	
Software	WIN10+ANDROID 7.0+iPhone iSO	
Ambient temperature	0-40°C	
Ambient humidity	80%	
Electrical parameters	Built-in lithium battery DC20V (support charging bank power)	

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..

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