



LD Series Hand-Held Fiber Laser Marking Machine

LD20i II / LD28i II / LD30i II / LD20i-B II / LD28i-B II / LD30i-B II



LD Series second generation is finally launched. With a brand-new design, LD II Series is much lighter than the first generation - only 7.8~9.8KG weight. Built-in high-speed galvanometer scanner in small size, it has features of fast speed and accurate positioning. Long lifetime and maintenance-free, this hand-held laser marking machine is the industry's most complete handheld fiber laser marking and engraving system.

The standard configuration of the hand-held laser marking machine allows for many different options to meet any production need. It can be moved easily for convenient operation from any location and is capable of marking equipment and materials that would not fit into traditional marking systems. It can be widely used in industry of electronics, food, construction, hardware, auto-parts, etc. User can create characters, part numbers, logos, graphics, and barcodes and print them out.

Features

- Fiber beam delivery with integrated optical isolator
- Support TCP/IP protocols
- Extremely lightweight and equipped with a handle for increased portability
- 50mm x 50mm and 100mm x 100mm marking area for option
- Compact design, easy to move
- Built in touch screen display for easier operation
- Air cooled, no need for a water chiller unit
- Power consumption is significantly less
- NO maintenance, no consumables

LD SPECIFICATIONS

Specification	LD20i II	LD28i II	LD30i II	LD20i-B II	LD28i-B II	LD30i-B II
Case material	Engineering plastic					
Laser type	Fiber laser source					
Laser power	≥18~20W	≥25~28W	≥30W	≥18~20W	≥25~28W	≥30W
Laser wavelength	1064nm					
Maximum pulse energy	0.75mJ					
Frequency range	30-60 kHz		1-600 kHz	30-60 kHz		1-600 kHz
Scanning method	High-precision two-dimensional					
Mark speed	≤7000mm/s					
Control system	Highly- integrated motherboard, 7-inch touch screen, Linux system					
Cooling system	Air cooled					
Type of marking line	Dot matrix and vector					
Reflector size	Standard size: 8.5mm					
Marking range	Standard: 50mm×50mm or 100mm×100mm					
Positioning method	Red light positioning					
Lines of marking	No limit within the marking range					
Marking speed	650 characters/sec (the specific speed is related to product material and printing contents)					
Fonts	Simplified Chinese, Traditional Chinese, English, Korean, Russian, Arabic numerals and other standard font libraries					
File format	BMP/PNG/JPG/JPEG/GIF/PBM/PLT (PLT is recommended)					
Code type	CODE39, CODE128, CODE126, EAN13, PDF417, 01CODE, QR, AZTECCODE, DM, GS1DM, DOTCODE, HANXINCODE, etc					
Power supply	220V			Battery 12000mAh		
Power consumption	≤200W	≤250W		≤200W	≤250W	
Battery run time	/			At 22℃: 5.5 hours		
Full charge time	/			4 hours		
Weight	7.8kg		9kg	8.4kg		9.8kg
Over-voltage category	II					
Working condition	0-40℃, 30 -85 RH (no condensing)					

Dimension

