

# Hand-held Laser Marking Machine

Fiber Laser TL20M/TL30M



## Reliable high-quality laser products

The machine is with compact design and easy operation

The system is powerful, efficient, high-speed and stable

Safe, environmentally friendly and maintenance-free

It is widely used, the handwriting is clear and beautiful without abrasion

### Advantage

Convenient and lightweight, it can be easily marked under various working conditions. It is adopted high-speed scanning galvanometer in small size, fast speed and accurate positioning. The laser has a long service lifetime and maintenance-free. The integrated structure of the whole machine is small and compact, the man-machine dialogue interface is friendly, what you see is what you get, simple to operate and easy to use.

### Innovation

Independent research and development, it can be customized, modified, increased or reduced functions, etc. according to the customer requests. Developed according to the habits of people usage, more suitable for Chinese people. It's simple, user-friendly and executable. It's timely and quicker in handling of failures and problems. Programmable devices and high-speed and high-precision DA integrated circuits are used to achieve precise positioning and fast processing speeds. Using Q-switched isolation technology, the entire system has low power consumption, good stability, and strong performance. It is special designed for laser marking.

### Application

Fiber laser machine is one of the most advanced laser marking equipment in the world. It has the characteristics of good quality of laser beam, small size, fast speed, long working life, flexible and convenient installation, and maintenance-free. It can be marked by black (oxidation) and fusion, shallow groove marking, deep groove marking, etc. to process a variety of metals. It's widely used in electronics, motors, pipes, batteries, hardware, auto parts, stainless steel products and other industries.

## Parameters

Specification	TL20M	TL30M
Case material	Engineering plastic/sheet metal spraying	
Laser type	Fiber laser source	
Output power	≥18W	≥26W
Laser wavelength	1064nm	
Marking method	High-precision two-dimensional scanning method	
Marking speed	≤7000mm/s	
Master	Highly integrated motherboard, embedded 7-inch screen.	
Operating system	Linux	
Cooling system	Air cooling	
Type of marking line	Dot matrix, vector integrated machine (both dot matrix and vector)	
Reflector size	Standard size: 8.5mm	
Marking range	Standard: 100mm×100mm, optional: 50mm×50mm	
Positioning method	Red light positioning	
Lines of marking	Any number of lines within the marking range	
Marking speed	650 characters/sec (the specific speed is related to product material and printing content)	
Font	Simplified Chinese, Traditional Chinese, English, Korean, Russian, Arabic numerals and other standard font libraries	
File format	BMP/DXF/HPGL/JPEG/PLT (Recommended use PLT format)	
Bar code / QR code	CODE39、CODE128、CODE126、EAN13、PDF417、01CODE、QR、AZTECCODE、DM、GS1DM、DOTCODE、HANXINCODE, etc.	
Power requirements	Single phase, 100-110V/220-240V, 50/60Hz	
Max power	≤300W	
N.W	8.2kg	
Hand-held	325mmX79mmX151mm	
Control box	300mmX196mmX255mm	
Laser class	4	
Adapt temperature	5-40℃	
Relative humidity	30%-85%RH (no condensation)	

### Image:

