



Name:	Michele Bovetti
Version:	1.0
Date	16/02/2026

Type-D laser marking machine

Technical features 1

Advantages of tabletop design..... 3

Technical parameters 4

Samples images 4

Technical features

The machine uses a fibre laser source available in 10 W, 20 W, or 30 W configurations, allowing users to balance marking speed and depth with cost and power consumption. The standard working area is configurable at 100×100 mm, 175×175 mm, or 200×200 mm, covering most small and medium-sized components such as tools, nameplates, and electronic housings. The motion and focusing structure is integrated in a rigid vertical column and tabletop base, which improves stability during operation and ensures consistent focal distance on flat workpieces.

Function options include rotary fixtures, automatic focusing, and dual red-light positioning to simplify setup and improve repeatability when switching between different part geometries. The system is suitable for continuous industrial use in sectors such as precision machinery, electronics, medical devices, hardware tools, automotive parts, clocks and instrumentation, and consumer products requiring permanent identification marks like serial numbers, barcodes, QR codes, and logos. It supports marking on metals and many non-metal materials, including stainless steel, aluminium alloy, coated metals, electroplated surfaces, oxides, ABS, epoxy resin, inks, and engineering plastics, enabling high-contrast, wear-resistant codes and graphics.

This desktop-style fiber laser marking machine (often called Type D or D-model in listings) is compact and versatile, with features like optional rotary attachment for cylindrical objects, autofocus for easier setup, and double red light for precise manual focusing. The EZCAD software (typically EZCAD2 or compatible versions) runs in English and supports standard file formats for design import and parameter control.



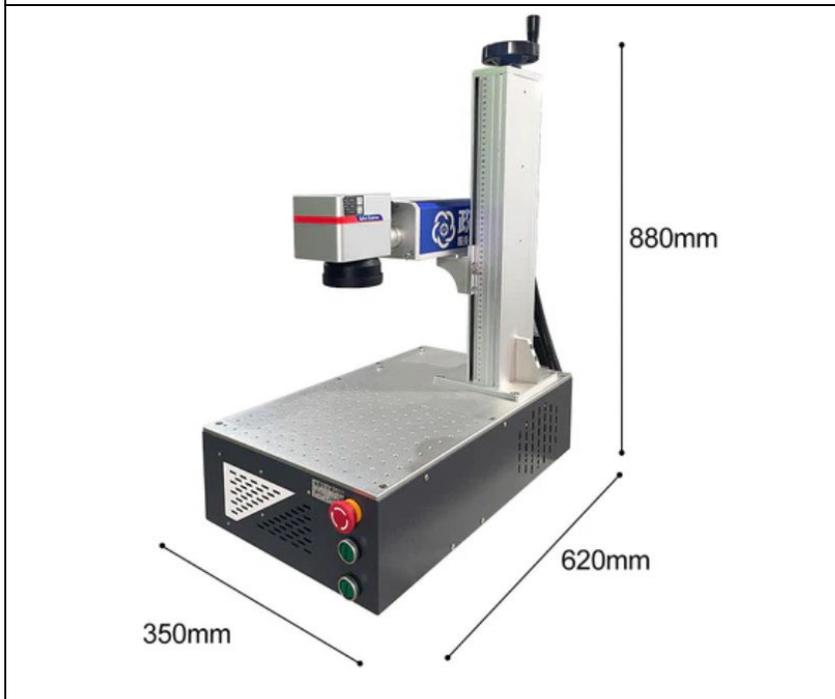
Omnia Technologies Limited
 Unit 206B – Block 2E
 Hong Kong Science and Technology Park
 Pak Shek Kok – New Territories – Hong Kong

OMNIA TECHNOLOGIES LIMITED
 香港新界沙田香港科學園科技大道東2號2E大樓2樓206B室



Shenzhen Omnia Technologies
 Room 339, Building U3, Shenzhen U8 Manufacturing Park, No. 393,
 Hangcheng Avenue, Xixiang Subdistrict, Bao'an District, Shenzhen City,
 Guangdong Province

请在此填写企业名称
 广东省深圳市宝安区西乡街道固兴社区航城大道393号深圳市U8智造产业园U3栋3楼339室



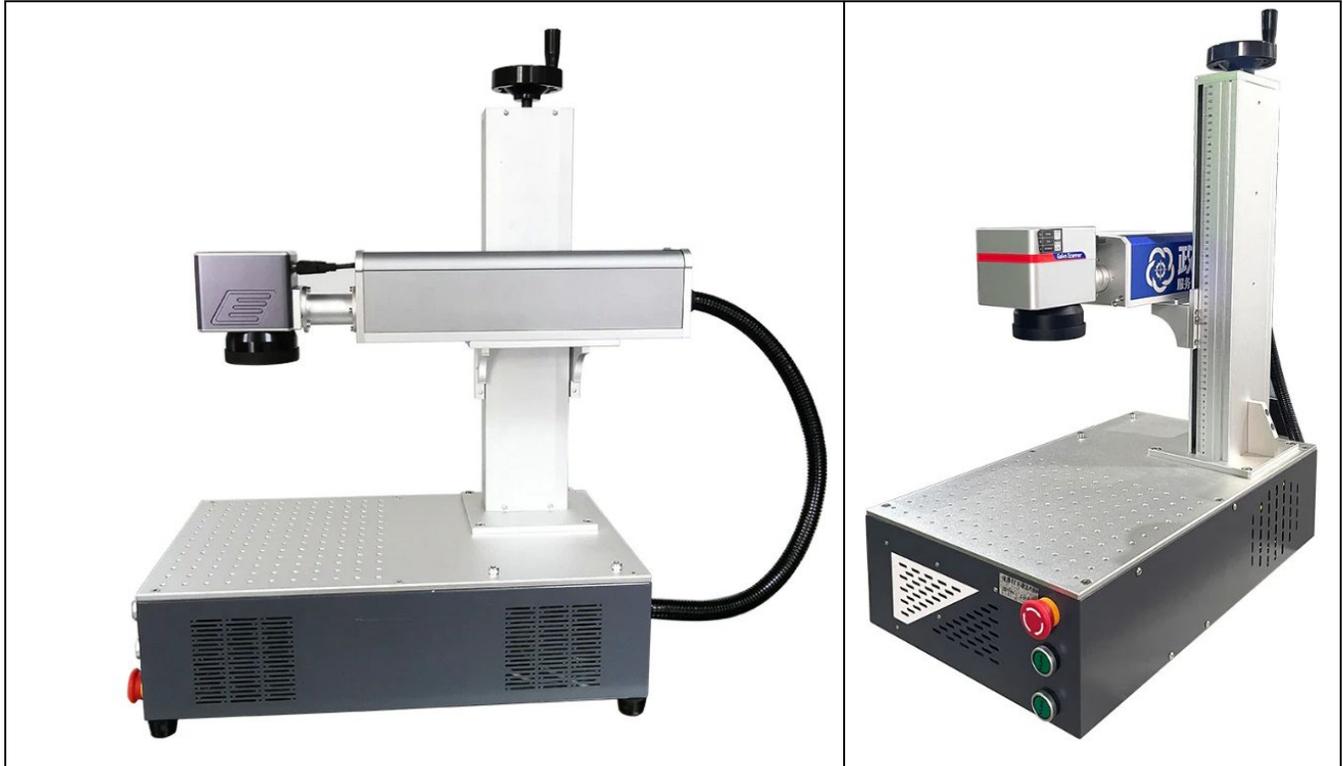
Omnia Technologies Limited
 Unit 206B – Block 2E
 Hong Kong Science and Technology Park
 Pak Shek Kok – New Territories – Hong Kong

OMNIA TECHNOLOGIES LIMITED
 香港新界沙田香港科學園科技大道東2號2E大樓2樓206B室



Shenzhen Omnia Technologies
 Room 339, Building U3, Shenzhen U8 Manufacturing Park, No. 393,
 Hangcheng Avenue, Xixiang Subdistrict, Bao'an District, Shenzhen City,
 Guangdong Province

请在此填写企业名称
 广东省深圳市宝安区西乡街道固兴社区航城大道393号深圳市U8智造产业园U3栋3楼339室



Advantages of tabletop design

- Space-saving installation: The integrated tabletop structure occupies a small footprint on a workbench, making it easy to deploy in crowded production areas, labs, or offices without dedicated floor space or complex infrastructure.
- Ease of relocation: The self-contained base and column allow the machine to be moved between workstations or production lines with minimal disassembly, which is valuable for small batches, prototyping, and shared use across departments.
- Operator ergonomics: Workpieces can be loaded and unloaded at standard bench height, improving operator comfort and enabling precise part positioning without heavy lifting equipment.
- Simplified installation: Unlike large floor-standing systems, a tabletop unit generally requires only standard power and a stable surface, reducing commissioning time and ancillary costs such as foundations or dedicated enclosures (assuming basic laser safety measures are observed).
- Flexible integration: The compact format makes it easier to integrate with small jigs, rotary devices, and simple manual or semi-automatic fixtures around the machine, supporting customized tooling for different product families.



Omnia Technologies Limited
Unit 206B – Block 2E
Hong Kong Science and Technology Park
Pak Shek Kok – New Territories – Hong Kong

OMNIA TECHNOLOGIES LIMITED

香港新界沙田香港科學園科技大道東2號2E大樓2樓206B室



Shenzhen Omnia Technologies
Room 339, Building U3, Shenzhen U8 Manufacturing Park, No. 393,
Hangcheng Avenue, Xixiang Subdistrict, Bao'an District, Shenzhen City,
Guangdong Province

请在此填写企业名称

广东省深圳市宝安区西乡街道固兴社区航城大道393号深圳市U8智造产业园U3栋3楼339室



Technical parameters

Parameter	Specification
Laser Power	10W / 20W / 30W
Work Area	100×100 mm / 150×150 mm
Optional Functions	Rotator / Automatic Focus / Double Red Light Positioning
Software	EZCAD (English language version)
Applicable Materials	ABS, PP, PVC, PA (Nylon), PC, HIPS.
Computer	Yes

Samples images



Omnia Technologies Limited
Unit 206B – Block 2E
Hong Kong Science and Technology Park
Pak Shek Kok – New Territories – Hong Kong

OMNIA TECHNOLOGIES LIMITED
香港新界沙田香港科學園科技大道東2號2E大樓2樓206B室



Shenzhen Omnia Technologies
Room 339, Building U3, Shenzhen U8 Manufacturing Park, No. 393,
Hangcheng Avenue, Xixiang Subdistrict, Bao'an District, Shenzhen City,
Guangdong Province

请在此填写企业名称
广东省深圳市宝安区西乡街道固兴社区航城大道393号深圳市U8智造产业园U3栋3楼339室



marked by
MECCO



(01) 10884521592902
(10) 160727
(21) 123456789



Omnia Technologies Limited
Unit 206B – Block 2E
Hong Kong Science and Technology Park
Pak Shek Kok – New Territories – Hong Kong

OMNIA TECHNOLOGIES LIMITED
香港新界沙田香港科學園科技大道東2號2E大樓2樓206B室



Shenzhen Omnia Technologies
Room 339, Building U3, Shenzhen U8 Manufacturing Park, No. 393,
Hangcheng Avenue, Xixiang Subdistrict, Bao'an District, Shenzhen City,
Guangdong Province

请在此填写企业名称
广东省深圳市宝安区西乡街道固兴社区航城大道393号深圳市U8智造产业园U3栋3楼339
室