

## High Speed Engraving: The Power of Fibre Laser Technology

# 01

## Fast & Efficient

### Main Characteristics

- Energy Efficient
- Durable
- Low noise operation
- Low cost of maintenance

### F-Theta Lens



### Enclosed System



# 02

## Applications

- Personalisation
- Automotive
- Aerospace
- Medical
- Serial Plates
- Jewelry engraving
- Education
- Prototyping
- Construction
- Research & development

# 03

## Installation Included

**All of our FM range are fully enclosed**

**Important feature that allows the user to operate the machine enclosed with an extraction system**

**Optional extraction units available**

## Introducing Our FM Fibre Laser Engraving Systems.

Mantech Machinery offers a high quality range of Fibre Laser Engravers, designed for precision marking and engraving on metals and hard plastics.

Our models are equipped with features like **30 & 50W Raycus power options**, marking speeds up to 7000mm/s, and a variety of lens and power options catering to different project sizes.

They emphasise ease of use with motorised focus units, **included laptop** for operation, and software pre-installation. Mantech's FM Markers are tailored for a wide array of applications, ensuring high-quality outcomes for intricate designs and marking requirements.

The range also boasts user-friendly features that significantly enhance operational efficiency and accuracy. This includes their precise autofocus technology and robust software support, ensuring that users can achieve optimal results with minimal effort, regardless of the complexity of the task at hand.



## Specification

## FM Range (30/50W)

Power	30/50w
Wavelength	1064nm
Laser type	Galvo
Marking range – standard/optional	170*175 / 200*200, 300*300
Max marking speed	7000mm/s
Max line width	0.01 mm
Resolution	0.001 mm
Repositioning accuracy	0.003 mm
Frequency range	50–100Khz
Cooling type	Air cooled
Focus unit	Motorised
Rotary unit	Yes – included
Control and operation	Laptop – included
Software	EZCAD
Dimensions (w*d*h)	470*710*690 mm
Delivery & installation	UK mainland included
Warranty	12 months parts and labour