



Laser Engraving, Marking & Cutting

**LASER**

# Shaping better value

A Marking Fibre Laser system built to Boxford specifications.

Boxford Fibre marking lasers are ideal for a large variety of industrial marking applications on a variety of materials including steel, stainless steel, aluminium, carbide, copper, brass, titanium, ceramics and some plastics.

## System features

- Fully enclosed for optimal safety and fume management
- Suitable for metal and some non-metal marking
- High accuracy & speed with 100,000 hours laser source life
- Bar Code, QR Code and serial number marking



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## Metal Cutting Fibre Laser systems

### BFM110

Marking area (mm)	110 x 110
Marking area (in)	4.3 x 4.3
Z axis travel (mm) – (manually adjusted)	300
Laser source power	20 watts
Laser type	Fibre 1064nm WL
Beam quality	m2<2
Pulse Repetition Frequency	20 – 2KHz
Integrated Laser Cooling System	Air Cooled
Minimum Line Width	50µm
Minimum Character	0.3mm
Maximum Acceleration	0.5G
Machine Weight	90kg
Dimensions (w x d x h mm)	400 x 800 x 790
Mounting	Desktop
Safety	Class 1 closed configuration
Operating modes	Scan Marking / Engraving
Location precision (mm)	<0.01
Power requirements	Machine: 220V 1ph@ 6A Extractor: 220V 1ph@ 5A

Prices from (excl VAT)

£7,995



### Included accessories

The Fibre Marking Laser system is packaged with the following accessories:

- Windows Software & drivers. Design software supports PLT, BMP, JPG, PNG, TIP, PCX, TGA, ICO, DXF and other popular file formats.
- Operator cycle start foot operated switch.
- 1 day of on-site UK mainland training.
- Warranty – 12 Months (excludes consumable items – extraction filters)



### Optional accessories

- Automated tilting rotary device for engraving cylindrical objects.
- Automated foot switch operated guard.
- Filtered fume extraction/air filtration system\*

\* Laser systems can produce noxious fumes of varying levels depending on the material been processed. If exhausting internally, extraction must be to HEPA standards. Users may wish to consider a permanent external exhaust system, eliminating the need for continual filter replacement. Please ask for further details.