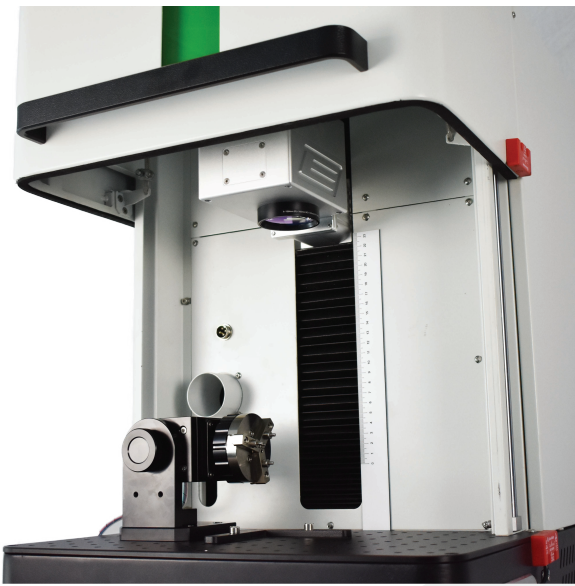


## Fibre Marking Laser

Boxford fibre marking lasers are ideal for a large variety of commercial and industrial marking applications.

The BFM110 is a compact, fully enclosed and easy to use bench top machine, giving customers the ability to permanently mark a wide range of materials, whilst maintaining a safe working environment.



### Materials which can be laser marked and engraved:

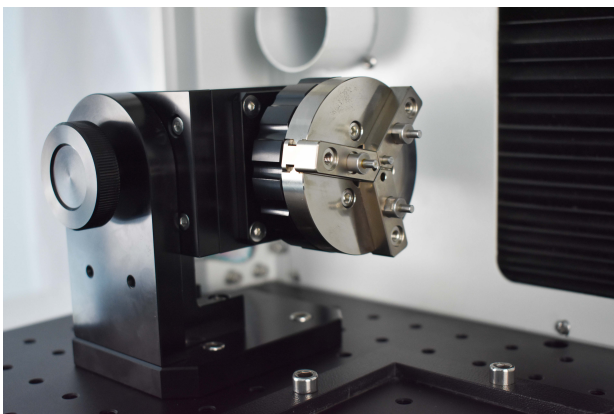
Stainless steel  
Mild steel  
Tool steel  
Shim steel  
Aluminium

Anodised aluminium  
Titanium  
Brass  
Copper  
and more...

	BFM110 20w	BFM110 30w	BFM110 50w
Marking area (mm)	110x110	200x200*	200x200*
Z axis travel (mm)	300	300	300
Laser power source	20w	30w	50w
Laser type	Fibre 1064nm WL	Fibre 1064nm WL	Fibre 1064nm WL
Beam quality	m2<2	m2<2	m2<2
Pulse repetition frequency	20-60KHz	20-60KHz	20-60KHz
Integrated laser cooling system	Air cooled	Air cooled	Air cooled
Minimum line width	50µm	50µm	50µm
Minimum character	0.3mm	0.3mm	0.3mm
Location precision (mm)	<0.01	<0.01	<0.01
Machine weight	90kg		
Dimensions (w x d x h mm)	470 x 720 x 740		
Mounting	Desktop		
Safety	Class 1 closed configuration		
Operating modes	Scan marking / engraving		
Power requirements	Machine: 220V 1ph @ 6A Extraction: 220V 1ph @ 5A		

Prices from (excl VAT)	£5,495	£6,495	£8,995
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\*with optional additional 228mm focal length lens (110x110 work area when using included 160mm focal length lens)



### Optional accessories:

- Automated tilting rotary device for engraving cylindrical objects
- Additional lens to increase marking area to 200mm x 200mm
- Filtered fume extraction

### Included features:

- Windows software and drivers supporting: AI, BMP, JPG, DXF and more...
- Ability to mark logos, vector graphics and photographs
- QR code, bar code and sequential number marking capability
- Motor driven Z axis adjustment
- Drilled and tapped machine bed for part location and jig customisation
- Operator cycle start foot operated switch
- Fully enclosed cabinet with CE marked failsafe door guard switches
- 12 months warranty (excluding consumable items such as extraction filters)



See our full range of manufacturing systems for education, design and industry on our website: [www.boxford.co.uk](http://www.boxford.co.uk) or call us on +44 (0)1422 324810