

Fibre Marking Laser

Boxford fibre marking lasers are ideal for a large variety of creative 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.



Some of the many materials which can be laser marked and engraved:

Stainless steel
Mild steel
Tool steel
Shim steel
Aluminium

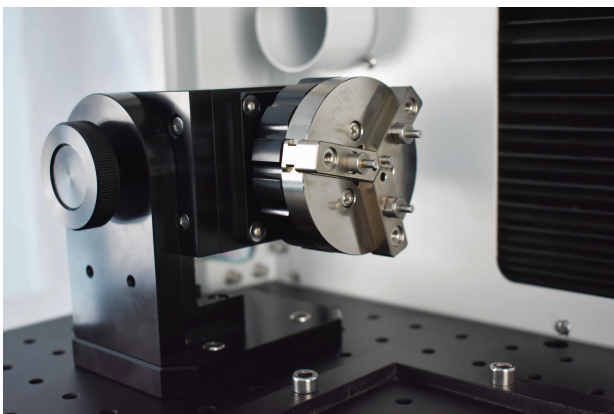
Anodised aluminium
Titanium
Brass
Copper
Silver

Gold
Bronze
Acetal
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)	£5,445	£6,095	£8,195
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*with optional additional 290mm 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 with digital focus height readout
- Dual red dot focusing system for quicker positioning
- 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)



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