

C02 laser cutting & engraving machines (metal and non-metal cutting)

The Boxford BML1390 is a mixed metal and non-metal cutting C02 laser. This is a powerful, multi-purpose machine, suitable for customers looking to add entry level metal cutting and professional non-metal cutting to their capabilities.



Materials which can be processed:

Mild Steel (1.5mm cutting thickness)
Stainless Steel (1.2mm cutting thickness)

Boxford C02 mixed material lasers include:

- Integrated water cooling system for C02 laser source
- Air assist including integrated compressor
- Oxygen air inlet and pressure gauge for use when metal cutting
- Digital automatic height adjustment and capacitance calibration (metal cutting only)
- Windows software supporting DXF, JPEG, BMP, AI, and more...
- Pre-configured & fully editable parameter library
- 12 months machine warranty
- UK after sales and support

Acrylic
Wood
Foam
Glass
Marble
MDF
Paper
Rubber
Stone
Slate
Polycarbonate
Laminated plastics
and more...

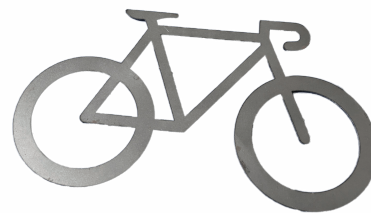
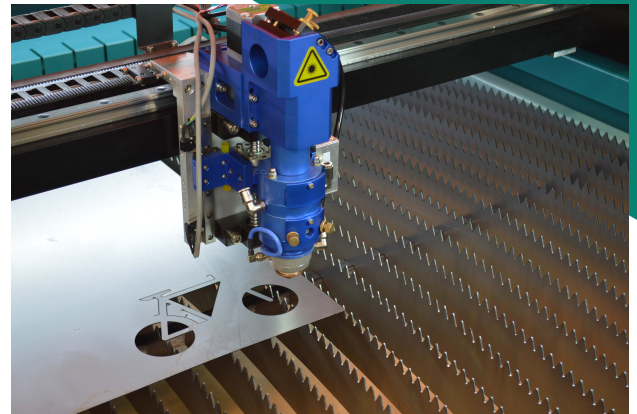
BML1390

Work area (mm)	1300x900
Z axis travel (mm)	250
Laser power source	150w
Laser type	Glass CO2
Integrated laser cooling system	Water chiller
Table control	Electric
Cutting thickness (mm)	0-30 1.5mm mild steel* 1.2mm stainless*
Max cutting speed	400mm/sec
Max engraving speed	200mm/sec
Location precision (mm)	<0.01
Optics	63.5mm STD

Machine weight	450kg
Dimensions (w x d x h mm)	2010x1550x1150
Mounting	Floor
Safety	Class 2 closed configuration
Operating modes	Cutting & some engraving
Power requirements	220V 1ph @ 32A

Prices from (excl VAT)	£11,995
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*A supply of oxygen gas is required to cut mild steel and stainless steel



Included accessories:

- Integrated laser source cooling system
- Air assist including integrated compressor
- Includes removable slats for metal cutting and a honeycomb table for use when non-metal cutting
- Basic extraction fan and hose for external venting
- Windows software and drivers. Design software supports: AI, JPEG, BMP, DXF and more
- Warranty: 12 month warranty on laser systems, parts and labour (excluding consumable items - lenses mirrors, honeycomb table and extraction filters. (10 months warranty on laser tube)

Optional accessories:

- Automated tilting rotary device for engraving cylindrical objects
- Filtered fume extraction/air filtration system
- Set of replacement filters for extraction/air filtration system
- 50.8 (2.0") and 63.5 (2.5") focal length lenses

