

BOXFORD BGL RANGE



DESCRIPTION

Boxford BGL Series Laser Engraving, Marking and Cutting Systems are built to Boxford's high specifications. Ideally suited to all educational, training, hobbyist and professional applications. Featuring a rigid motion system incorporating high quality linear guide rails that allow high speed movement. An Air Assist system prevents combustion of flammable materials during operation.

Boxford BGL range of CO2 laser cutting and engraving machines are supplied with Lightburn laser software as standard. The machines are also fitted with a fully integrated 4K camera, which can be used for artwork positioning, image tracing and live monitoring.

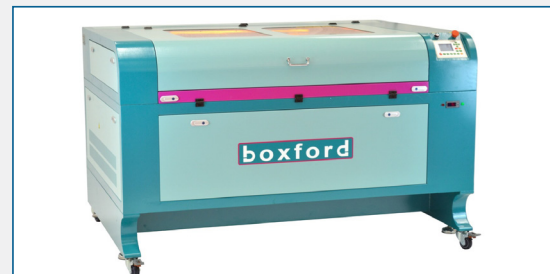
BOXFORD CO2 LASERS INCLUDE:

- Auto focus.
- Honeycomb and knife material bed.
- Integrated water cooling system for CO2 laser source.
- Air assist including integrated compressor.
- Windows software included, supporting DXF, JPEG, BMP, AI and more...
- Lightburn laser software included as standard.
- Integrated 4K camera included as standard, for artwork positioning, image tracing and live monitoring.
- Automatic start/stop function added to machine, to allow the machine to control the optional filtered extraction system.
- Pre-configured & fully editable parameter library.
- 12 months machine warranty.

OPTIONAL ACCESSORIES

- Filtered fume extraction system (Recommended)
- Automated tilting rotary device for engraving cylindrical objects.
- 50.8 (2.0") and 63.5 (2.5") focal length lenses.

BOXFORD BGL 1390

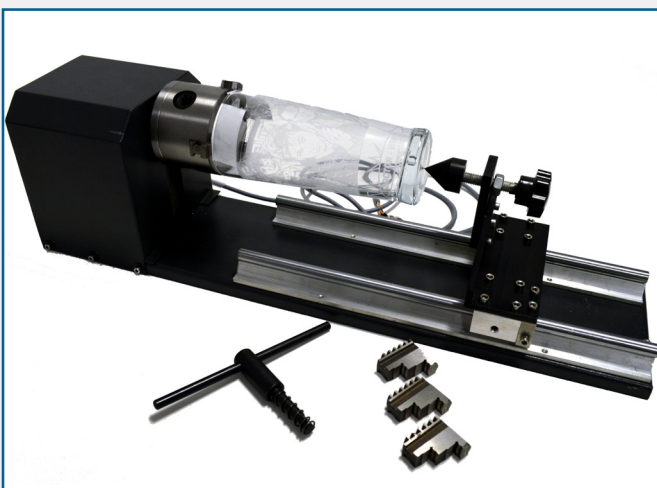


COMPATIBLE MATERIALS

- | | |
|-----------|----------------------|
| • Acrylic | • MDF |
| • Wood | • Paper |
| • Card | • Rubber |
| • Cork | • Stone |
| • Foam | • Slate |
| • Glass | • Polycarbonate |
| • Marble | • Laminated plastics |

BGL SERIES FEATURES

The Boxford BGL Series features robust industrialgrade construction, ensuring the systems withstand continuous use. An automatic focus system adjusts the focal length of the laser depending on the position of the material surface. A red-dot targeting system allows the user to accurately position materials prior to running a job.



Optional accessories include the rotary vice

AES OFFER INSTALLATION AND SERVICE SUPPORT FOR ALL EQUIPMENT

BOXFORD BGL RANGE

TECHNICAL SPECIFICATION

	BGL350	BGL460	BGL690	BGL1390
Engraving area (mm)	500x300	600x400	900x600	1300x900
Z axis travel (mm)	250	250	250	250
Laser power source	50w	80W	80W	100W
Laser type	Glass C02	Glass C02	Glass C02	Glass C02
Integrated laser cooling system	Water chiller	Water chiller	Water chiller	Water chiller
Table control	Electric	Electric	Electric	Electric
Cutting thickness (mm)	0-15	0-15	0-20	0-20
Max cutting speed	600mm/sec	600mm/sec	600mm/sec	600mm/sec
Max engraving speed	1000mm/sec	1000mm/sec	1000mm/sec	1000mm/sec
Location precision (mm)	<0.01	<0.01	<0.01	<0.01
Optics	50.8mm STD	63.5mm STD	63.5mm STD	63.5mm STD
Machine weight	150kg	175kg	300kg	410kg
Dimensions (w x d x h mm)	1060x750x1020	1150x850x1020	1480x1010x1150	1860x1330x1150
Mounting	Floor	Floor	Floor	Floor
Safety	Class 2 in a Class 1 Enclosure Closed Configuration			
Operating modes	Cutting, scan & vector engraving			
Power requirements	220V 1ph @ 6A	220V 1ph @ 6A	220V 1ph @ 8A	220V 1ph @ 10A

BOXFORD BGL 690



BGL350 WITH OPTIONAL FUME EXTRACTION UNIT



*Laptop not included.

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