

boxford



Shaping better value

A range of CO2, Mixed Metal and Fibre Laser Engraving, Marking & Cutting systems built to Boxford specifications

Our laser systems are ideally suited to all training, hobbyist and professional applications.

System features

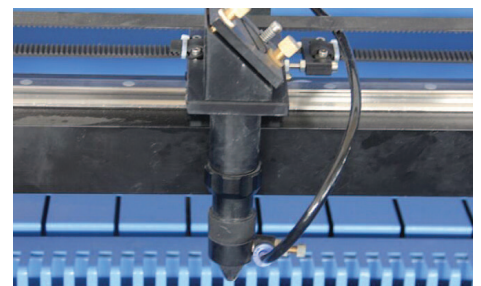
- Integrated cooling systems which are chiller based on Models of 50 Watts and above laser tube powers.
- A rigid motion system incorporating high quality linear guide rails allows speeds up to 1000mm per second to be achieved.
- Auto Focus system automatically adjusts the focal length depending on the position of the material surface. Standard on models BGL350 and above.
- Standard Air Assist prevents combustion of flammable materials.
- The integrated red dot beam pointer allows easy positioning of the laser prior to running a job.
- Superior glass Co2 laser tube offers up to 1,500 hours lifespan on models BGL230, BGL350 & BGL460 and up to 10,000 hours on models BGL690, BGL1390 & BML1390. Fibre laser up to 100,000 hours lifespan.

What materials can be laser processed?

- Acrylic
- Anodised Aluminium
- Cardboard
- Coated Metals
- Cork
- Fabrics
- Foam
- Glass
- Laminated Plastics
- Leather
- Steel (BML & BFL models)
- Marble
- MDF
- Nylon
- Paper
- Plastics
- Polycarbonate
- Rubber
- Stone
- Veneer
- Wood
- Stainless (BML & BFL)
- Aluminium (BFL)

Laser Engraving, Marking & Cutting

LASER



Shaping better value

Laser engraving, marking & cutting

	BGL230	BGL460	BGL690	BGL1390
Engraving area (mm)	300 x 200	600x 400	900 x 600	1300 x 900
Engraving area (in)	12 x 8	24 x 16	35 x 24	51 x 35
Z axis travel (mm)	50	250	250	250
Laser source power	40 watts	60 watts	80 watts	100 watts
Laser type	Glass CO2	Glass CO2	Glass CO2	Glass CO2
Integrated laser cooling system	Water	Water chiller	Water chiller	Water chiller
Table control	Manual	Electric	Electric	Electric
Cutting thickness (mm)	0-15	0-15	0-20	0-20
Max. cutting speed	100mm/sec	600mm/sec	600mm/sec	600mm/sec
Max. engraving speed	500mm/sec	1000mm/sec	1000mm/sec	1000mm/sec
Machine weight	45kg	120kg	260kg	360kg
Dimensions (w x d x h mm)	800 x 500 x 500	1150 x 850 x 1020	1480 x 1010 x 1100	1810 x 1310 x 1110
Mounting	Desktop	Floor	Floor	Floor
Safety	Class 2 closed configuration	Class 2 closed configuration	Class 2 closed configuration	Class 2 closed configuration
Operating modes	Raster engrave Vector engv/cut	Raster engrave Vector engv/cut	Raster engrave Vector engv/cut	Raster engrave Vector engv/cut
Location precision (mm)	<0.01	<0.01	<0.01	<0.01
Optics	50.8mm STD	50.8mm STD	50.8mm STD	50.8mm STD
Power requirements	220V 1ph @ 5A	220V 1ph @ 6A	220V 1ph @ 8A	220V 1ph @ 10A
Koolstofffilterunits	€ 915,-	€ 1655,-	€ 1655,-	€ 3550,-
Prijs lasersnijder	€ 2350,-	€ 5799,-	€ 7699,-	€ 9199,-

Prijzen zijn excl. BTW en Excl. transport, installatie en basisinstructie

Included accessories

The Co2 Laser systems are packaged with the following accessories:

- Integrated Laser Source Cooling System.
- Honeycomb material cut-out table eliminating cut marks on the bottom side of the component by keeping the laser away from the machine table during vector cutting.
- Air assist including integrated compressor. This helps prevent combustion of flammable materials.
- Basic Extraction fan and hose for external venting.
- Windows Software & drivers. Design software supports DXF, JPEG, GIF, BMP, PLT, AI, CDR and other popular file formats.
- Warranty - 12 months on systems, 4 months on glass CO2 laser tubes fitted to BGL230,460 & 690 and 10 months on BGL690, 1390 and BML1390, parts and labour (excludes consumable items - lenses, mirrors, honeycomb table and extraction filters).

Optional accessories

Automated tilting rotary device for engraving cylindrical objects.

- Filtered fume extraction/air filtration system*.
- The laser system's internal ventilation system is engineered with air exhaust paths that virtually eliminate mirror contamination.
- BFL Machines utilise an IFA certified extraction system with reverse jet pulse technology which meets the highest testing level (W3). Requires compressed air supply - 6.0 Bar@420 l/min.
- Set of replacement filters for extraction / air filtration system.
- 50.8 (2.0") 63.5 (2.5") focal length lenses.

* 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.

