

Water Cooled Fibre Laser Welding System

The Boxford BLW range of water cooled laser welding systems, are capable of producing industry standard, professional and durable welds, across a range of metals.

Using a fibre laser welder can vastly reduce weld times. It's ease of use also means it can be operated by personnel without necessarily having full traditional welding expertise.



Materials which can be fibre laser welded:

Up to 8mm
Mild Steel
Stainless Steel
Galvanised Steel
Aluminium



Boxford fibre laser welding packages include:

- One day training at Boxford facility
- 12 months parts and labour warranty (return to base, carriage paid - UK mainland only)
- Touch screen user interface
- Integrated water cooling system
- Automatic wire feeder
- Welding helmet with IR shield
- A selection of welding nozzles, tips and protective glasses
- 2x safety interlock input connectors and E-stop, to facilitate safe operation
- Part contact electrical interlock, to prevent laser firing if not in contact with part
- UK after sales and support

	BLW1500	BLW2000	BLW3000
Laser power source	1500w	2000w	3000w
Laser type		Fibre (1064nm)	
Integrated laser cooling system		Water Cooled	
Fibre Length		10m	
Welding thickness (mm)	Up to 4mm	Up to 6mm Mild Steel, Stainless Steel, Galvanised & Aluminium	Up to 8mm
Type of cleaning head		Cleaning width: 0-80mm	
Swing width		0-5mm	
Machine weight		300kg	
Dimensions (w x d x h mm)		720x935x1248	
Mounting		Floor standing	
Safety		Class 4 Laser Device	
Operating modes		Laser Welding / Cleaning / Cutting	
Power requirements	220V 1ph @ 24A	220V 1ph @ 28A	380V 3ph @ 32A
Prices from (excl VAT)	£7,595	£9,445	£10,445



Laser welding capabilities:

- Multi-material welding
- Equipped with a range of nozzles suitable for internal welding, external welding and flat welding
- Rust removal
- Surface resin, paint, oxide coating, oil, stain and dirt removal
- Entry level metal cutting

Industrial applications:

- Automotive
- Medical
- Aerospace
- Electronics
- Jewellery
- Tool and Die
- Enclosure manufacture
- Stainless steel sink and worktop manufacture