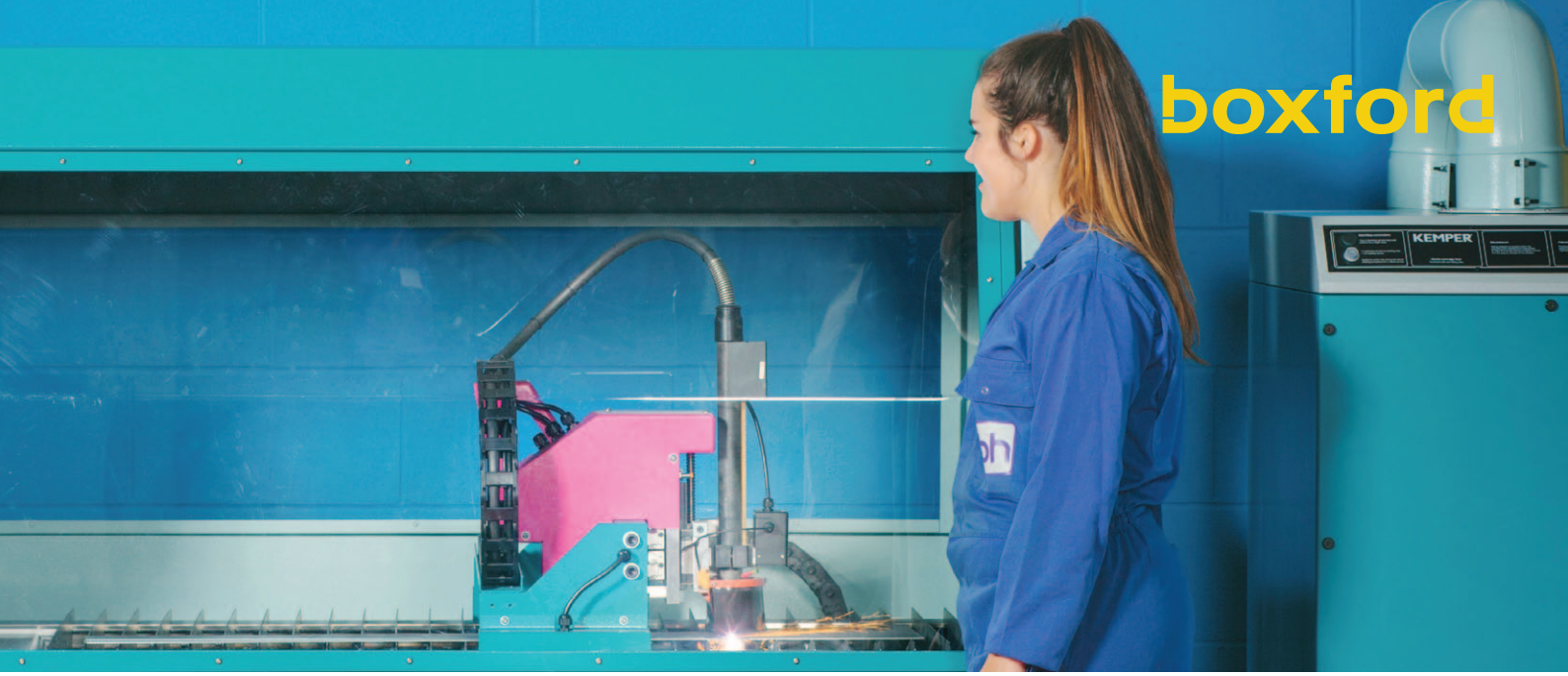


Shaping better results

Fully Enclosed CNC Plasma Cutter

A1HSP*i*

The new Boxford Plasma Cutter is designed for your own exacting requirements

System features

- Available with a variety of plasma sources from 40A to 80A
- Fully enclosed for optimal fume and debris management
- Available with downdraught table and bespoke three stage extraction system which removes sparks, debris and gases before exhausting back into the room
- Available with water table and residual fume extraction system
- Red Dot Pointer for plate location/ orientation and program dry run
- Automatic sensing of the plate before each pierce
- Automatic digital height control during cutting
- Includes intuitive software for either creating new CAD drawings or processing 3rd party CAD data
- Automatic offsetting of the Kerf
- Automatic lead-in and lead-out generation
- On-screen simulation

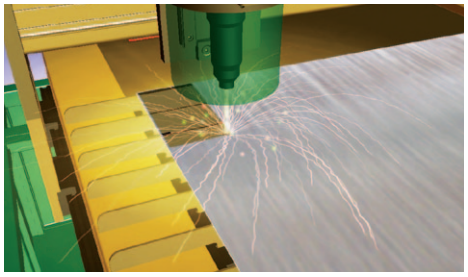
What materials can be plasma cut?

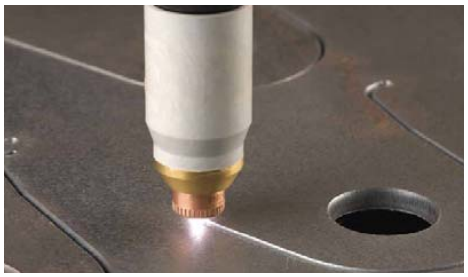
Mild steel, stainless steel and aluminium.

The waste debris and gases from steel and aluminium will include metal powders and oxide which when mixed together have the basis of thermite. This is a very hazardous substance that is potentially explosive.

To cut aluminium, either the water table and residual fume extract option is specified, or a removable water table is added to the preferred downdraught table option to capture the debris at source.

The Boxford supplied extraction system is IFA certified and meets the highest testing level (W3) facilitating the extraction of fumes from high alloy steels with over 30% chromium and nickel content.





Your high standards shaped by our experience

Find out more about shaping the future of your students or business by calling +44 (0)1422 324810 or visit boxford.co.uk

A1HSP*i*
Floorstanding Large Format Plasma Cutter

System specifications	A1HSP*i*
Cutting area	1220 x 610 mm
Rated power output	40A, 60A, or 80A options
Max piercing thickness	Mild steel 12mm (40A), 15mm (60A), 20mm (80A)
Computer interface	USB
Axes drives	Precision ground linear slides on all axes Rack and pinion drive on X and Y axes Precision ball screw drive on Z axes
Height sense	Auto initial height sense as standard Auto voltage height control as standard
Red dot pointer	Fitted as standard Plate location/orientation & dry run
Machine dimensions (W x D x H)	2200 x 1300 x 1900 mm
Machine weight	540kg
Extractor dimensions (W x D x H)	655 x 855 x 1475 mm (downdraught) 655 x 655 x 1370 mm (water table)
Extractor weight	140kg (downdraught), 150kg (water table)
Compressed air requirement (min)	6.9 Bar@650 l/min (100 PSI at 23 cfm) – (downdraught) 6.9 Bar@230 l/min (100 PSI at 7.9 cfm) – (water table)
Compressor size (L x W x H)	1520 x 600 x 1250 mm – 177kg (downdraught) 1010 x 435 x 835 mm - 64kg (water table)
Overall footprint with extract and interconnecting ducting	Extractor at side – 3000 x 1450 Extractor at rear – 2200 x 2200
Power requirements	A1HSPi (40A & 60A) – 380/400V 3ph at 32A A1HSPi (80A) – 380/400V 3ph at 50A Extractor – 380/400V 3ph at 10A Compressor (downdraught) – 380/400V 3ph at 15A Compressor (water table) – 220V 1ph at 13A PC – 240V 1ph at 13A

Included accessories

The plasma system is packaged with the following accessories:

- Starter kit of torch consumables
- Windows software drivers
- Warranty – 12 months on-site parts and labour (excludes consumable items – cutting table supports, torch consumables and extraction filters)

1. Electrode
2. Start cartridge
3. Tip
4. Shield body
5. Shield cap

Optional accessories

- Bespoke downdraught fume extraction/air filtration system
- Removable stainless steel water table for downdraught table
- Stand alone compressor for plasma source and extract unit
- Water table residual fume extraction/air filtration system
- Stand alone compressor for plasma source
- Torch consumables (electrodes, tips, shields, caps etc.)
- Set of replacement filters for extraction/air filtration system