

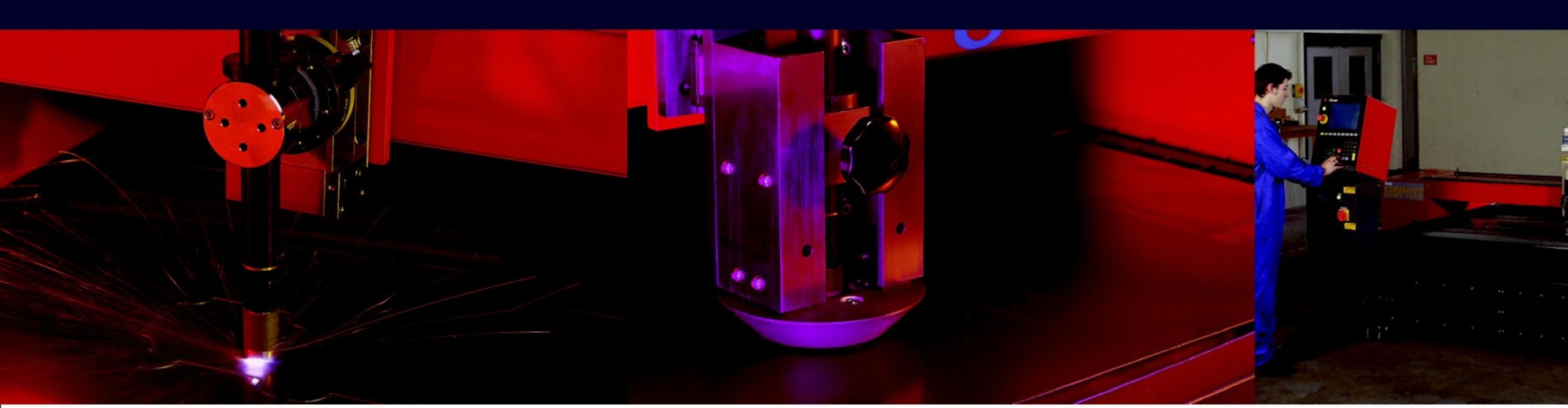
LGHTNING DSERVES

PRECISION CNC PLASMA CUTTING SYSTEMS

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PRECISION CNC PLASMA CUTTING SYSTEMS

- Heavy-duty machine tool design
- Strong, fully machined and fabricated machine bed
- Direct rack and pinion drive in both axes (no belt transmissions)
- Range of single and dual sheet table sizes
- Hardened and ground machine tool grade linear bearings in all axes
- Powerful & easy to use Windows/PC based CNC
- Full colour high resolution graphics display
- Integral pneumatically controlled segmented fume-extraction cutting table
- High speed & acceleration for good detail-work and holes.
- Range of plate-marking devices for marking centres, fold-lines, text etc.
- Choice of high-definition and conventional plasma cutting units up to 200A
- Option of twin-head cutting for high production applications.
- Drag-chain cable/hose handling systems in both axes for long cable/hose life.
- Choice of pneumatic plate-rider or precision arc-voltage torch height control with collision protection.
- Choice of CAD/CAM systems to suit all applications

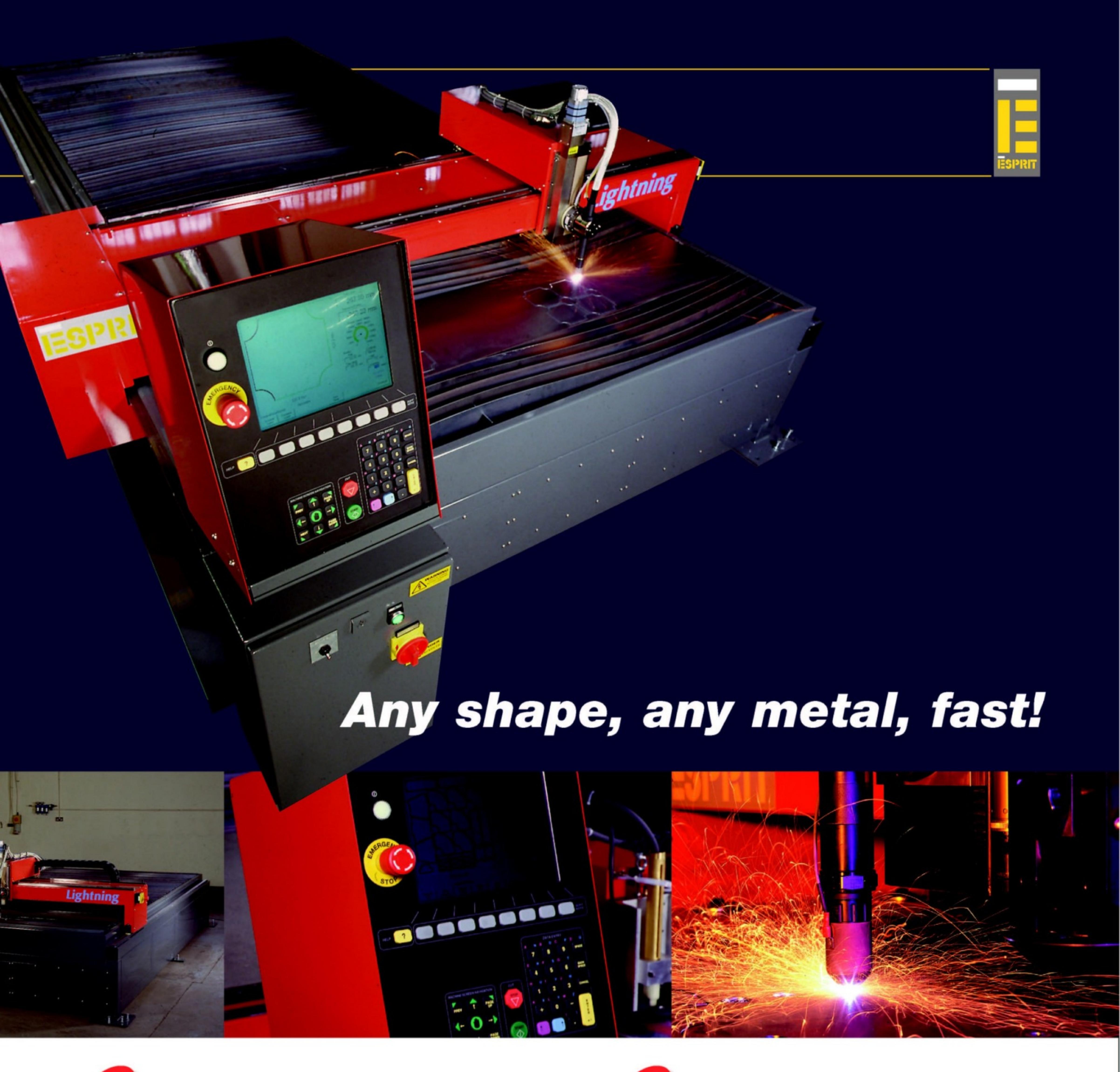


The Lightning D Series Package

The Esprit Lightning D Series machines cover a wide range of precision plasma cutting applications. The machines are offered in a range of table sizes with a number of alternative conventional and high-definition plasma cutting systems rated at up to 200A cutting current. Designed and manufactured as a precision machine tool and incorporating the latest PC/Windows based CNC technology, the Lightning D Series machines are at the top of the list for performance and flexibility. Whether specified with a conventional or a high-definition plasma-cutting unit, you can be sure that the Lightning D series machine will exploit the full potential of that plasma-cutting unit.

Advanced PC/Windows CNC Technology

The Paragon family of CNC units are specified across the entire range of the company's thermal cutting machines. The benefits of PC/Windows based CNC technology are well known in the machine tool business and Esprit is the first CNC cutting machine manufacturer to specify this exciting technology across the entire range of machines. High resolution colour graphics, the familiar Windows interface, fast processor speeds and virtually infinite memory storage are just some of the reasons that Windows based CNC's are the preferred choice. Fast DNC communications speed and instantaneous kerf compensation calculation reduce delays in machine set-up.



Esprit Automation

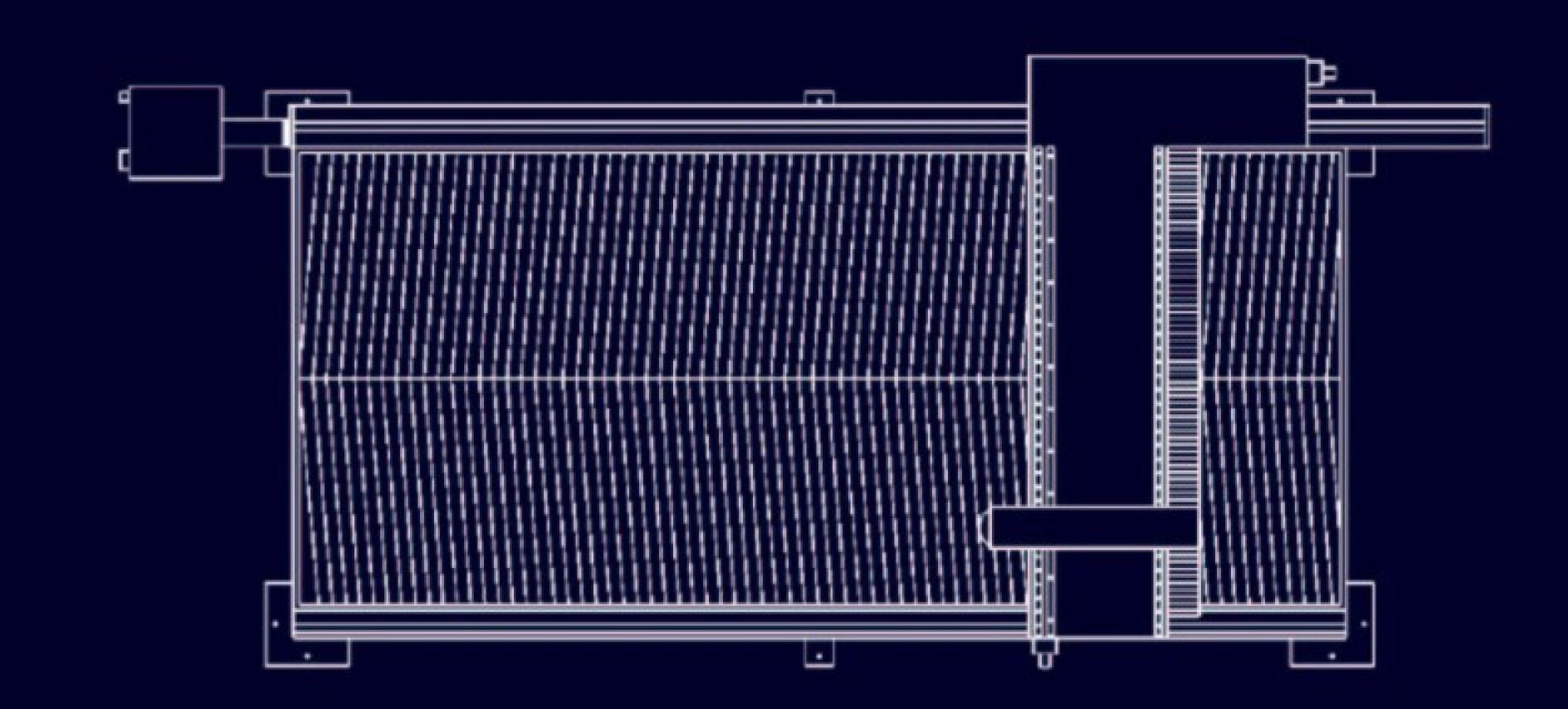
Esprit Automation is one of the leading world players in CNC plasma cutting machinery. Based in Nottingham, England the company manufactures a wide range of machines covering the entire breadth of CNC flat-bed plasma and oxy-fuel cutting applications. Working with our partners throughout the world, Esprit offers a full range of solutions. The plasma cutting process is increasingly the selected choice for efficient metal cutting. Customers choose Esprit because Esprit machines offer exceptional productivity and value.

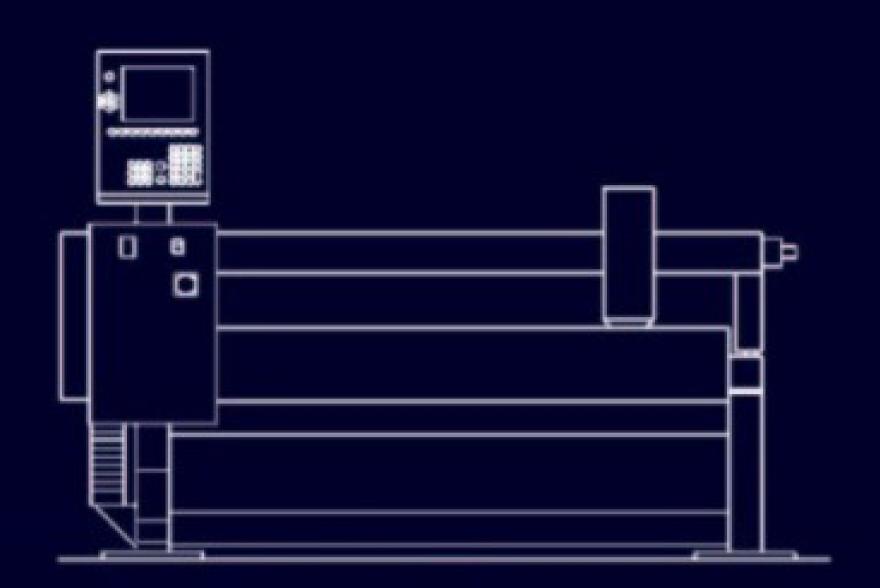
Advanced CAD/CAM Solutions

Esprit offers a number of advanced thermal cutting CAD/CAM systems for use with the machines. The Procut system has been a leading product for well over a decade and the latest Windows versions incorporate state-of-the-art True-shape automatic nesting, a powerful drawing system, high speed DNC communications and the benefit of Esprit's extensive thermal cutting knowledge and experience. The latest specialist software for the development of 3-D ductwork shapes is also available.



Technical Specification







| | D1250 | D1500 | D1800 | D2000 | D1500/2 | D1800/2 | D2000/2 |
|-------------------------|---------|---------|---------|-------------|---------|---------|----------|
| Cutting Length | 2,500mm | 3,000mm | 4,000mm | 4,000mm | 6,500mm | 6,500mm | 8,500mm |
| | 8' | 10' | 13' | 13' | 21'4" | 21'4" | 27'10" |
| Cutting Width | 1,250mm | 1,500mm | 1,800mm | 2,000mm | 1,500mm | 1,800mm | 2,000mm |
| | 4' | 5' | 6' | 6'6" | 5' | 6' | 6'6" |
| Overall Length | 4,400mm | 4,900mm | 5,900mm | 5,900mm | 8,600mm | 8,600mm | 10,600mm |
| | 14'5" | 16' | 19'4" | 19'4" | 28'3" | 28'3" | 34'10" |
| Overall Width | 1,950mm | 2,200mm | 2,500mm | 2,700mm | 2,200mm | 2,500mm | 2,700mm |
| | 6'5" | 7'3" | 8'3" | 8'10" | 7'3" | 8'3" | 8'10" |
| Overall Height | | | | 1,500mm | | | |
| | | | | 5' | | | |
| Maximum Axis Speed | | | | 25m/min | | | |
| | | | | 1,000ipm | | | |
| Input Voltage - Machine | | | | 110/230V | | | |
| (1phase, 50/60Hz)* | | | | | | | |
| Input Voltage - Plasma | | | | 380/415V or | | | |
| (3 phase, 50/60Hz)* | | | | 240/480V | | | |

*Other voltages etc. are available - please enquire. All values are approximate and are subject to change without notice. The Company reserves the right to make technical modifications and improvements without notice.



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