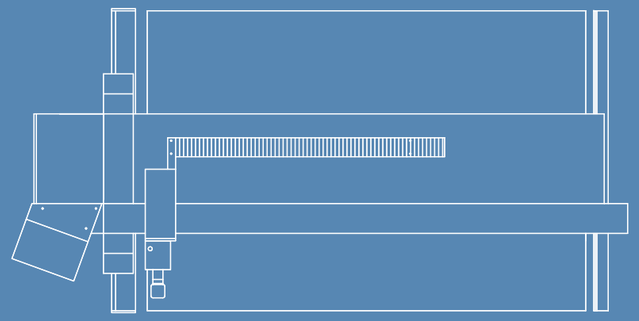

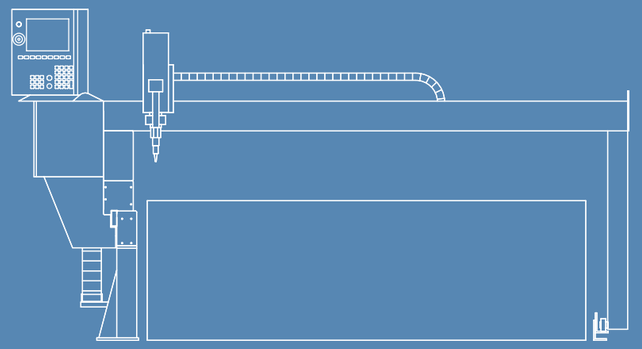

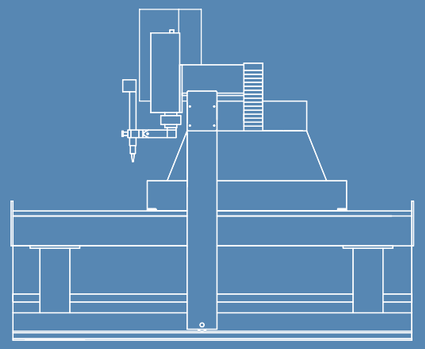

Technical Specification

	Cobra 1500	Cobra 2000	Cobra 2500	Cobra 3000
Cutting Length	Any length in 1m increments			
Cutting Width (plate width)	1.5m (5')	2.0m (6'6")	2.5m (8'2")	3.0m (10')
Overall Length	Cutting length + 1.4m			
Overall Width	2.7m	3.2m	3.7m	4.2m
Overall Height	1.6m			
Maximum Axis Speed	20m/min 780ipm			
Input Power – Machine*	Single phase, 50/60Hz, 110/230V			

*Other voltages etc. are available.

All values are approximate and are subject to change without notice.
The Company reserves the right to make technical modifications and improvements without notice.

MEMBER

A member of the Metalforming Machinery Makers' Association

Esprit Automation Limited

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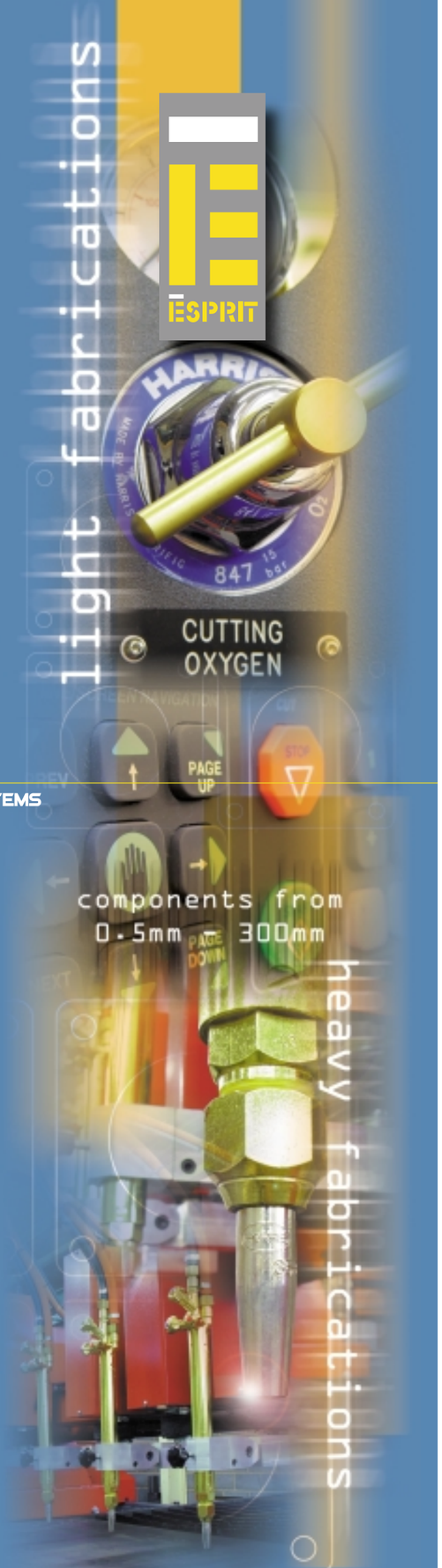
COBRA

COST EFFECTIVE PLASMA AND FLAME CUTTING SYSTEMS

- PLASMA CUTTING TO 200A
- FLAME CUTTING
- GENERAL FABRICATIONS
- PRODUCTION CUTTING TO 300mm (12")

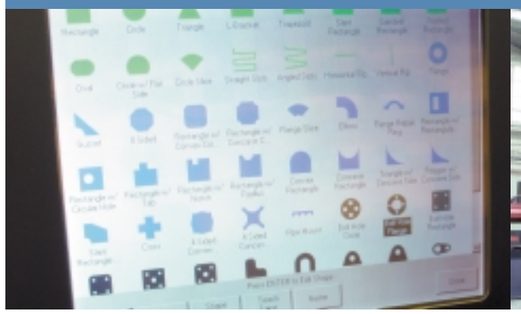


COBRA

COST EFFECTIVE PLASMA AND FLAME CUTTING SYSTEMS

- *Strong, fabricated & machined construction*
- *Cutting widths of 1.5m, 2.0m, 2.5m & 3.0m*
- *Cutting lengths from 2.0m in 1m increments*
- *Single side & dual side rack & pinion drive versions available*
- *Low profile rails mounted directly to floor for high stability & easy loading*
- *Powerful AC Brushless drives for high power & reliability*
- *Twin hardened and ground linear bearings in Y axis for smooth, accurate motion*
- *Direct rack & pinion drives in all axes (no "elastic" belt transmissions) for accurate & repeatable high speed contouring*
- *Digitally synchronised dual motor drive systems on dual side drive machines*
- *Powerful & easy to use Windows/PC based CNC*
- *Up to four oxy-fuel cutting torches*
- *Up to two plasma cutting torches*
- *Drag-chain cable/hose handling systems in both axes*
- *Choice of fume extraction or over/under water cutting tables available*
- *Choice of CAD/CAM systems to suit all applications*
- *Rapid CNC based initial height sensing & retract to minimise cycle times on plasma cutting applications*

Any shape, any metal, fast!



The Cobra Package

Lower your cutting costs today with the Cobra package from Esprit. Cobra is the cost-effective solution which will lower in-house and bought-in component costs across the range. Cobra can be specified with up to four oxy-fuel cutting torches and a wide range of plasma cutting systems. It can give ultimate flexibility across the widest possible thickness range in a variety of metals including carbon steels, stainless steels, and aluminium alloys. One of the precision cutting solutions from the Esprit stable, the Cobra is within the reach of virtually all metalworkers and like our other products is built to give years of reliable service.

The Latest Thermal Cutting Technology

The Esprit Cobra incorporates the latest developments which take plasma & oxy-fuel cutting to the next level of productivity & reliability. Esprit has a record of being first in bringing new innovations to the market place (first to offer a dedicated precision high-definition cutting machine, first to bring Windows/PC based CNC controls across it's range of machines, first to specify precision linear bearings on all machine axes.

AC Brushless drives require no servicing and offer excellent dynamic performance, resulting in excellent cut quality across the range of thicknesses. Esprit was the first thermal cutting system manufacturer to offer AC brushless drives across the entire range of machines.

CNC based plasma torch height control is another innovation offered on the range of Esprit machines. After finishing a cut, the CNC "knows" the distance to the next pierce point and can make an intelligent decision whether to go through the retract and initial height sensing process or simply to move the torch to the next pierce point directly. This approach, only possible on fully CNC integrated torch height controls, can result in great time savings over a shift, resulting in much higher productivity.

Plasma Cutting Solutions

Plasma cutting systems have developed a long way from the early air-plasma units. High speed, low cost, precision plasma cutting is more than ever a real alternative to other processes. The Cobra machine specified with one of the range of Hypertherm plasma systems offers a flexible cost-effective solution.

Flame Cutting Solutions

Flame cutting has been around for many years but continues to offer unrivalled flexibility at an attractive price. Esprit flame cutting solutions cut the majority of carbon steels from around 5mm to over 300mm. The Cobra has automatic piercing and high-preheat facilities which are fully CNC controlled is a cost effective solution for applications with a wide range of material thicknesses.

Combination Machines – the best of both worlds.

If flame cutting and plasma cutting both seem to offer advantages in different application areas, why not consider a combination machine. Many customers specify a number of flame cutting heads along with a plasma cutting system to suit their individual requirements. A Cobra with both cutting processes on board offers the best of both worlds and unrivalled flexibility at a realistic price.

Esprit Automation Ltd

Esprit Automation is a leading world manufacturer of 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. Customers choose Esprit because Esprit machines offer exceptional productivity and value.

Advanced CAD/CAM Solutions

CNC machines are reliant on efficiently nested programs in order to achieve their maximum potential. Esprit offers a number of advanced thermal cutting CAD/CAM solutions. Procut CAD/CAM is a proven solution in operation on thousands of machines around the world and incorporates the very best true-shape nesting algorithms in order to product the best results every time. 3D ductwork developments, remnant plate library, parts database with BOM facilities are some of the many options that can be specified.

COBRA
COST EFFECTIVE PLASMA AND FLAME CUTTING SYSTEMS