

## Morgan Rushworth ECP 1530 CNC Air Plasma Cutting Machine 415V



The Morgan ECP CNC Plasma cutting system combines CNC profiling productivity with a compact footprint and an optimally designed table. With the addition of a Hypertherm Powermax Air Power Source or MAXPRO 200 Air/Oxygen Plasma source, the ECP can provide outstanding performance and capability for the modern fabrication shop.

The ECP is equipped with an intuitive CNC controller which provides access to the part programs, shape libraries and has a separate control interface which includes a joystick for jogging, start, stop etc. The controller is rich in functionality including full monitoring of the cutting process, in built library of parameters for common thicknesses etc and the ability to change cut parameters for a part program once loaded onto the CNC.

The ECP has a very heavy-duty table and gantry with a solid welded structure and the rack and pinion with linear guidance system provides for excellent accuracy and alignment. The rails are of a modern design which includes protection and distance from the cutting process ensuring longevity and accuracy.



## Features

- Heavy duty welded Steel Construction
- Precise positioning with linear guidance on all axis
- Smooth & precise motion with Helical rack & pinion on all axis
- Fully synchronised motion with Brushless AC Servo Motors on all axis
- Automatic Torch Height Control – Servo controlled
- Automatic Torch Ignition system
- Automatic Torch Breakaway system
- ESA Touchscreen CNC Controller inc USB Input & internal storage
- Jogging joystick included for easy positioning
- Mechanical Segmented Extraction Bed
- Automatic Control of Power Source voltage
- Warning system for machine operation – operator safety
- All cables protected in heavy duty protection system
- Forklift pockets for easy manoeuvrability
- Capable of 32mm Production Piece (MAX PRO 200)
- Gas Options Air/Air, O2/Air & N2/Air (MAX PRO 200)
- Libellula Nesting Software

## Technical Specification

| MODEL                                      | ECP 1530    |
|--|-------------|
| Table Dimensions (mm)                      | 3000 x 1500 |
| X Axis Movement (mm)                       | 1550        |
| Y Axis Movement (mm)                       | 3050        |
| Z Axis Movement (mm)                       | 150         |
| Length (mm)                                | 4400        |
| Width (mm)                                 | 2100        |
| Maximum Table Loading (kg/m <sup>2</sup> ) | 750         |
| Plasma Capacities                          | Pierce      |
| Powermax 45XP                              | 12mm        |
| Powermax 65                                | 16mm        |
| Powermax 85                                | 20mm        |
| Powermax 105                               | 22mm        |
| Powermax 125                               | 25mm        |

## Options

- Hypertherm Powermax 45XP
- Hypertherm Powermax 65
- Hypertherm Powermax 85
- Hypertherm Powermax 105
- Hypertherm Powermax 125
- Hypertherm MAX PRO 200
- Waterbed in lieu of Downdraught
- 3KW Fan for Extraction
- Morgan Rushworth Filtration Unit 5 Cartridge