

## Linc-Cut Machine



### Key Features

Excellent cutting performance:

- High quality plasma cutting system for mild steel and stainless steel
- Compact unit with water-filled cutting table
- Cutting area 1,500mm – 3,000mm
- Plasma cutting with the option for plasma marking

Easy to use:

- Large and intuitive touch screen
- Only needs a clean dry compressed air supply

Low operating costs:

- Long life of consumables
- Fast cutting speeds
- Virtually dross-free cuts reducing the need for additional finishing

The LINC-CUT® w is supplied with a software package to be installed on your pc to:

- Draw pieces according to plans
- Import standard formats .dxf, .dwg
- Nest and generate machine programs

# User Interface

## VISUAL MACHINE DESIGNER (VMD)

VMD is the human-machine interface (HMI) of all ACCUMOVE® CNC controllers. Its user-friendly design and appealing layout is very easy to learn. A full set of new features has been installed directly in the controller to simplify the cutting process for users.



- Process management –all parameters are controlled from the interface depending on the simple choice of material and thickness simplifying the implementation of plasma cutting. Several functions increase cycle productivity and automatically compensate for consumable wear.
- Laser positioning mode – simplifies the use of the machine for aligning the sheets, defining the starting point or in test mode
- Plate alignment – simplifies material loading, especially when dealing with thicker metal sheets. Regardless the orientation of the sheet, the ACCUMOVE controller adjusts the trajectory accordingly.
- 36 standard shapes – comes pre-loaded into the software, and includes a set of adjustable shapes from a basic rectangle to complex circular flanges.

## **Machine specification**

### **Control System**

ACCUMOVE motion control technology offering advanced machine control and combining all functions to simplify use. It provides increased processing power and synchronization of each component on the table. Height control, motors and computer aided manufacturing software, are all managed with a single operating system - keeping the entire communication loop under one display.

### **Cutting Table (water filled)**

Cut Width	1,500 mm
Cut Length	3,000 mm

### **Plasma System**

**Lincoln Electric Flexcut** plasma cutting system (125 amp) comprising: -

Power Supply Unit

Torch Assembly

Torch leads

IHS/AVC

### **Plasma Cutting Post. (Torch Height Control)**

The torch height control is a motorised control system that raises and lowers the torch assembly before during and after cutting. It uses an IHS (initial height sensing) and THC (torch height control) to maintain the cut height during the cutting operation. The system includes a control module and a torch lifter assembly.

### **CADCAM software**

The LINC-CUT machine is supplied with software to install on a PC. This allows you to draw components or import geometry from other CAD system using DXF or DWG formats. The software generates the CNC program for the machine to operate.