

# SmartPLASMA™ Features

## Proven Design

There are already over 1000 Plasma cutters in service throughout the world using Animatics SmartMotors™ as the drive and control element. SmartMotor's are extensively used in a wide variety of continuous duty production line applications.

## Performance

Cutting speed up to 12.5m/min  
 Rapid traverse speed 25m/min  
 Accuracy +/- 0.25mm  
 Cuts up to 25.4mm material thickness are dependent on cutting torch chosen.

## Gantry

Light but rigid aluminium bridge low inertia gantry to allow fast traverse speeds and sturdy mount for Y and Z axes. Linked drives on X axis for 'crab' free motion.

Robust gear heads on X and Y axis deliver high torque and precision positioning to the timing belt drive.

Precision Linear guides on all axes provide smooth motion and long running life.

Flex rated robotic cables guided and protected in heavy duty cable chains.

## Protection

Brush seals protect personnel and mechanism. Design takes account of the reality of factory environments to avoid damage and ease loading/unloading by operators.

## Maintenance

The mechanics and electronics require very little maintenance and all spares are from stock.

## Quality, Assurance, Support

UK Design and manufacture  
 UK and worldwide technical support.  
 Manufacturers 1 year standard warranty  
 Extended warranty available.  
 CE Marked



## Fabricated Frame

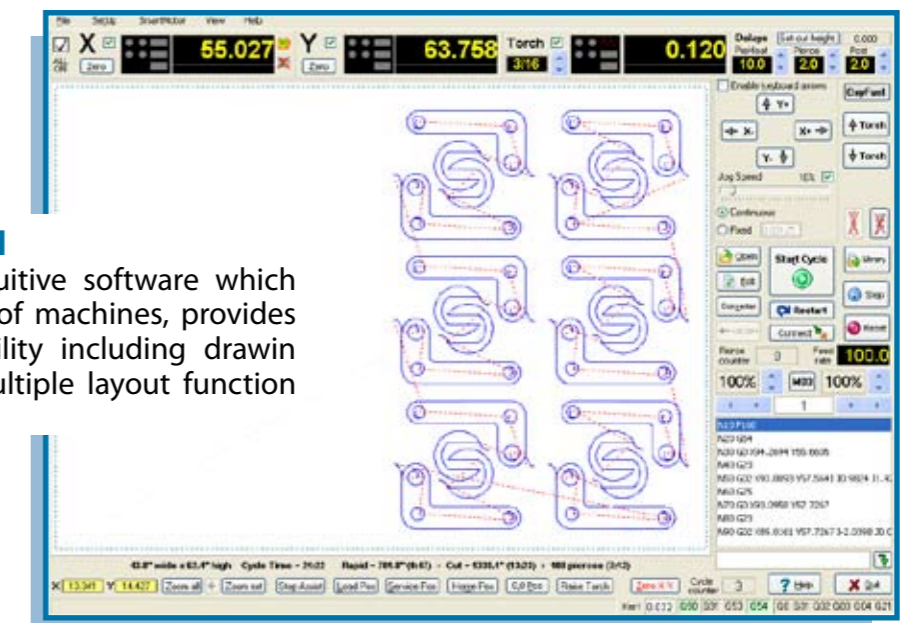
Industrial machines require a robust chassis. The SmartPlasma™ has a rigid CAD designed fabricated base.

## Cutting Bed

Large working area, solid fabricated construction. Slats allow the debris to drop away. Zoned extraction help improve operator safety and factory environment. Note: Fan and filter are not included but is available if required. Standard bed sizes are 2m x 1m or 3m x 1.5m, we can make larger or smaller versions.

## Intuitive Machine Control

User friendly PC based intuitive software which has been proven on 1000s of machines, provides comprehensive CNC capability including drawing to G code conversion. Multiple layout function maximises material usage.



## Automatic Torch Height Control (THC)

This feature is essential to achieving consistent quality cutting and productivity. The arc voltage is monitored and information fed to the Z axis servo actuator, to adjust the electrode distance to the work piece, therefore maintaining the quality of the arc and consequent cut.



## Cutting Torch

A choice of plasma sets is offered 60A, 80A or 100A. Selection is dependent on your needs. Please call to discuss your requirements.