Morgan Rushworth HDP 1530/130 HPR Plasma Cutting Machine

The Morgan Rushworth HDP range of CNC plasma machines offers virtually dross free cutting of profiles in mild steel, stainless steel and aluminium sheet and plate material. These flatbed models are offered in a range of bed sizes and with a choice of either 130, 260 & 400amp plasma sources. Fitted with the Hypertherm HyPerformance XD Plasma source or the new XPR300 X-Definition mechanised plasma cutting system, MicroEDGE Pro CNC unit, ProNest software and ArcGlide Torch Height Control. When ordered with the optional Automatic Gas Console, these models are able to offer True Hole Technology for superior bolt hole cutting.

Features

- Hypertherm HPR XD HyPerformance High Definition plasma source with patented LongLife®, PowerPierce® technology or XPR300 X-Definition plasma sysyem
- Hypertherm manual gas console
- Hypertherm ArcGlide torch height control and Hypertherm cutting torch
- Hypertherm Windows based MicroEDGE Pro CNC control and ProNest software
- Virtually dross free finish typically removing the requirement for a secondary cleaning operation
- Maximised productivity and minimised operating costs
- Strong steel frame designed to withstand constant high speed production
- X and Y axis travel on precision linear guide rails with synchronised servo drives
- Fast positioning speed of 30 m/min with positioning accuracy to 0.01mm
- Arc voltage feedback to control optimum torch height position
- Mechanical and electronic collision avoidance system
- Marking and cutting of material performed with the same plasma torch
- Bevels up to 45 degrees manually
- Cutting table independent from bridge and frame to ensure positioning accuracy irrespective of table loadings
- PLC controlled extraction chambers beneath the table with exhaust outlet at rear of machine ready for connection to extraction/filtration system

Technical Specification

MODEL	HDP 1530/130
Table Dimensions mm	3200 x 1700
Plasma Capacities	Production Pierce Capacity
HPR130XD - Mild Steel	32mm
HPR130XD - Stainless Steel	20mm
HPR130XD - Aluminium	20mm
XPR300 - Mild Steel	45-50mm
XPR300 - Stainless Steel	38mm
XPR300 - Aluminium	38mm
Height under the torch mm	150
Table Height mm	750
Length mm	5200
Width mm	3000
Weight kg	3000

Options

- Hypertherm automatic gas console (required for full TrueHole™ capability)
- Additional modules for ProNest software including auto nesting
- High efficiency extraction/filtration unit