

Morgan Rushworth HDP 2040/400 HPR High Definition Plasma Cutting Machine



The Morgan Rushworth HDP range of High Definition 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. They are fitted as standard with the Hypertherm HyPerformance XD Plasma sources, 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
- 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

Options

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

Technical Specification

MODEL	HDP 2040/400
Table Dimensions mm	4200 x 2200
Plasma Capacities	Production Pierce Capacity
HPR130XD - Mild Steel	50mm
HPR130XD - Stainless Steel	45mm
HPR130XD - Aluminium	38mm
Height under the torch mm	150
Table Height mm	750
Length mm	6200
Width mm	3500
Weight kg	5000