
MORGAN RUSHWORTH HDP 3012.170 HIGH DEFINITION CNC PLASMA CUTTING MACHINE 415V

The Morgan Rushworth HDP High Definition CNC plasma cutting machines fitted with the new revolutionary Hypertherm XPR plasma system offer industry leading cut quality across a range of materials and cutting thicknesses. Brushless AC servo motors with synchronised drives and linear guides offer high speed precise positioning of the cutting torch. The cutting table is independent from the bridge and guide rails, ensuring maximum precision even under a high table load. Cutting is controlled by the Hypertherm EDGE Connect CNC control running Hypertherm's own software. XPR plasma cutting delivers faster cut speeds, higher quality cuts, increased consumable life, quicker set up time, and reduced operating costs compared to standard high definition plasma systems.

FEATURES

- Hypertherm XPR High Definition Plasma with X Definition Technology
- Hypertherm Core Console
- Hypertherm torch height control and cutting torch
- Hypertherm Windows based EDGE Connect 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 0.05mm
- 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 VWI Console
- Hypertherm Optimix Console
- Additional modules for ProNest software including auto nesting
- High efficiency extraction/filtration unit

TECHNICAL INFORMATION

MODEL	HDP 3012.170	
Plasma Output	Amps	170
Production Pierce Capacity		
Mild Steel	mm	35
Stainless Steel	mm	22
Aluminium	mm	25
Maximum Cutting Capacity		
Mild Steel	mm	60
Stainless Steel	mm	38
Aluminium	mm	38
Table Width	mm	3200
Table Length	mm	12800
X Axis Stroke	mm	3200
Y Axis Stroke	mm	12200
Height under Torch	mm	150
Table Height	mm	750
Length	mm	14200
Width	mm	4500
Height	mm	1800
Weight	kg	14000

OTHER IMAGES

