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MORGAN RUSHWORTH HDPX 3012.300 HIGH DEFINITION CNC PLASMA CUTTING MACHINE

The Morgan Rushworth HDPX High Definition CNC plasma cutting machines fitted with the new revolutionary Hypertherm XPR300 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. The advanced frame design of the HDPX models allows the production of extra-long bed models of up to 60 metres as well as being suitable for the addition of optional oxy fuel cutting torches and additional plasma units. The HDPX models require an extraction/filtration system, which can be supplied as optional equipment; alternatively the machines can be connected to a new or existing factory ducted system. A range of other options are available including 5 axis bevel cutting and the extremely versatile rotational tube cutting device.

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FEATURES

- Hypertherm XPR High Definition Plasma with X Definition Technology
- Hypertherm Core gas 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
- Extremely heavy steel frame designed to withstand constant high speed production
- â€‹Bridge carrier design highly resistant to distortion suitable for multi plasma heads and oxy fuel cutting heads and allowing for precision positioning on bed lengths of up to 60 metres
- 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
- 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

- Single station drilling head unit
- Three station drilling head unit
- Additional plasma systems (maximum 4 units)
- Oxy fuel cutting torches for up to 300mm Plate (maximum 8 units)
- Additional modules for ProNest software
- Tube cutting table with rotational CNC axis for cutting round or square tube
- CNC bevel cutting for flanges and arcs
- High efficiency extraction/filtration unit

TECHNICAL INFORMATION

MODEL		HDPX 3012.300
Plasma Output	Amps	30-300
Production Pierce Capacity		
Mild Steel	mm	45
Stainless Steel	mm	38
Aluminium	mm	38
Maximum Cutting Capacity		
Mild Steel	mm	80
Stainless Steel	mm	75
Aluminium	mm	50
Table Width	mm	3200
Table Length	mm	12800
X Axis Stroke	mm	3800
Y Axis Stroke	mm	12200
Height under Torch	mm	300
Table Height	mm	750
Length	mm	14200
Width	mm	5250
Height	mm	2200
Weight	kg	15000

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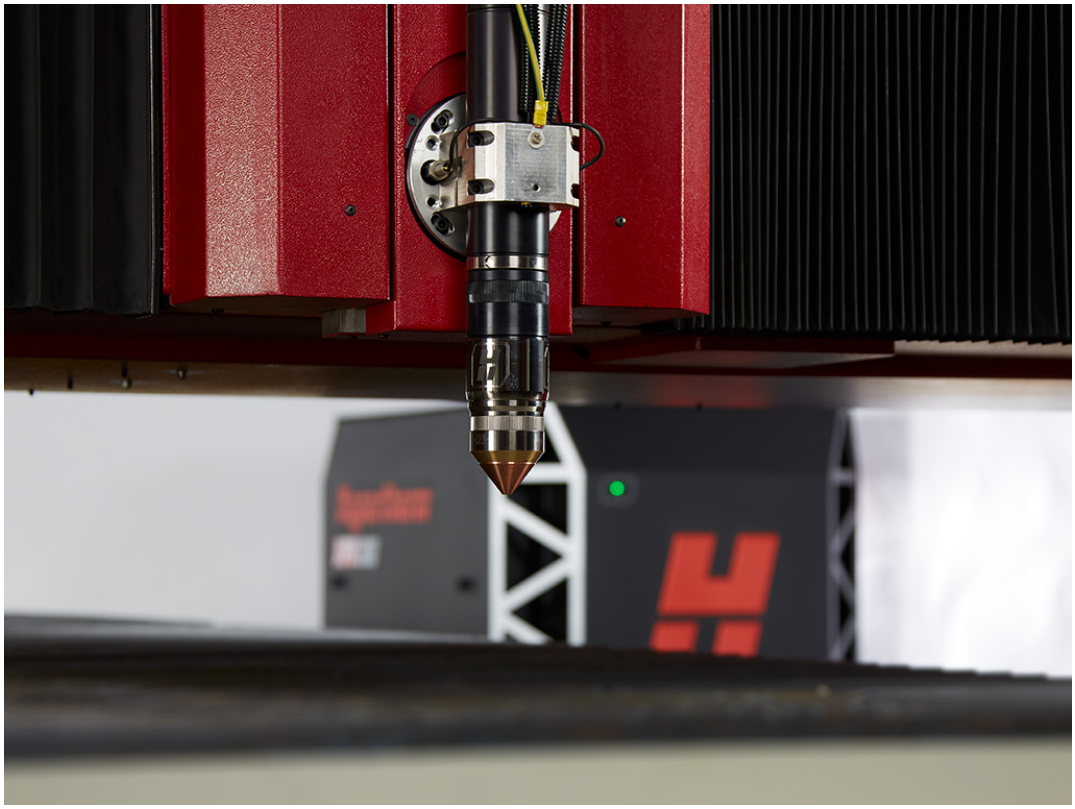
OTHER IMAGES



Pictured with optional bevel torch