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## Morgan Rushworth HDP High Definition CNC Plasma Cutting Machines

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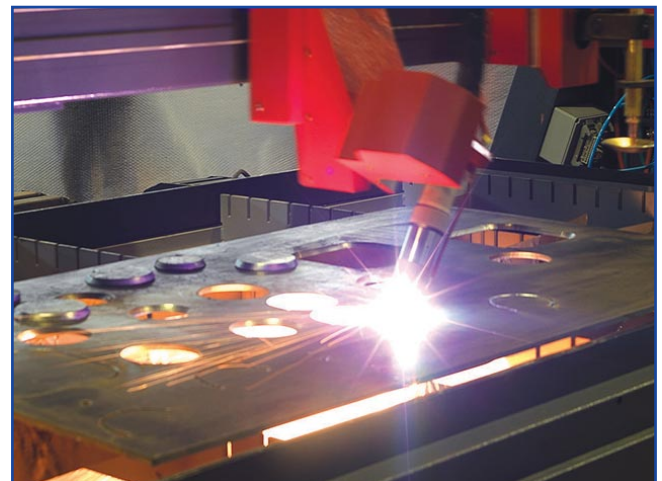
The Morgan Rushworth HDP range of High Definition CNC plasma machines offers virtually dross free cutting of profiles in mild steel, stainless steel and aluminium sheet and plate material. These flatbed models are offered in two bed sizes and with a choice of either 130 amp or 260 amp plasma sources. 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.



HDP RANGE



HIGH DEFINITION PLASMA CUTTING IN PLATE



OPTIONAL CNC BEVEL CUTTING

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## Machine 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



OPTIONAL CNC TUBE CUTTING

## Optional Equipment

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

## TECHNICAL SPECIFICATIONS

MODEL STOCK CODE		HDP 1530/130 M8002	HDP 1530/260 M8003	HDP 2040/130 M8004	HDP 2040/260 M8005
Plasma Output	Amps	30-130	30-260	30-130	30-260
Production Pierce Capacity					
Mild Steel	mm	32	38	32	38
Stainless Steel	mm	20	32	20	32
Aluminium	mm	20	25	20	25
Maximum Cutting Capacity					
Mild Steel	mm	38	64	38	64
Stainless Steel	mm	25	50	25	50
Aluminium	mm	25	50	25	50
Table Width	mm	1700	1700	2200	2200
Table Length	mm	3200	3200	4800	4800
X Axis Stroke	mm	1700	1700	2200	2200
Y Axis Stroke	mm	3200	3200	4200	4200
Height under torch	mm	150	150	150	150
Table Height	mm	750	750	750	750
Length	mm	5200	5200	6200	6200
Width	mm	3000	3000	3500	3500
Height	mm	1800	1800	1800	1800
Weight	kg	3000	3000	5000	5000