

The logo features the text 'MORGAN RUSHWORTH' in a bold, black, sans-serif font, centered within a yellow oval. The oval has a thick black border and a black shadow effect on its right side. Two horizontal red stripes cross the oval from behind.

**MORGAN  
RUSHWORTH**

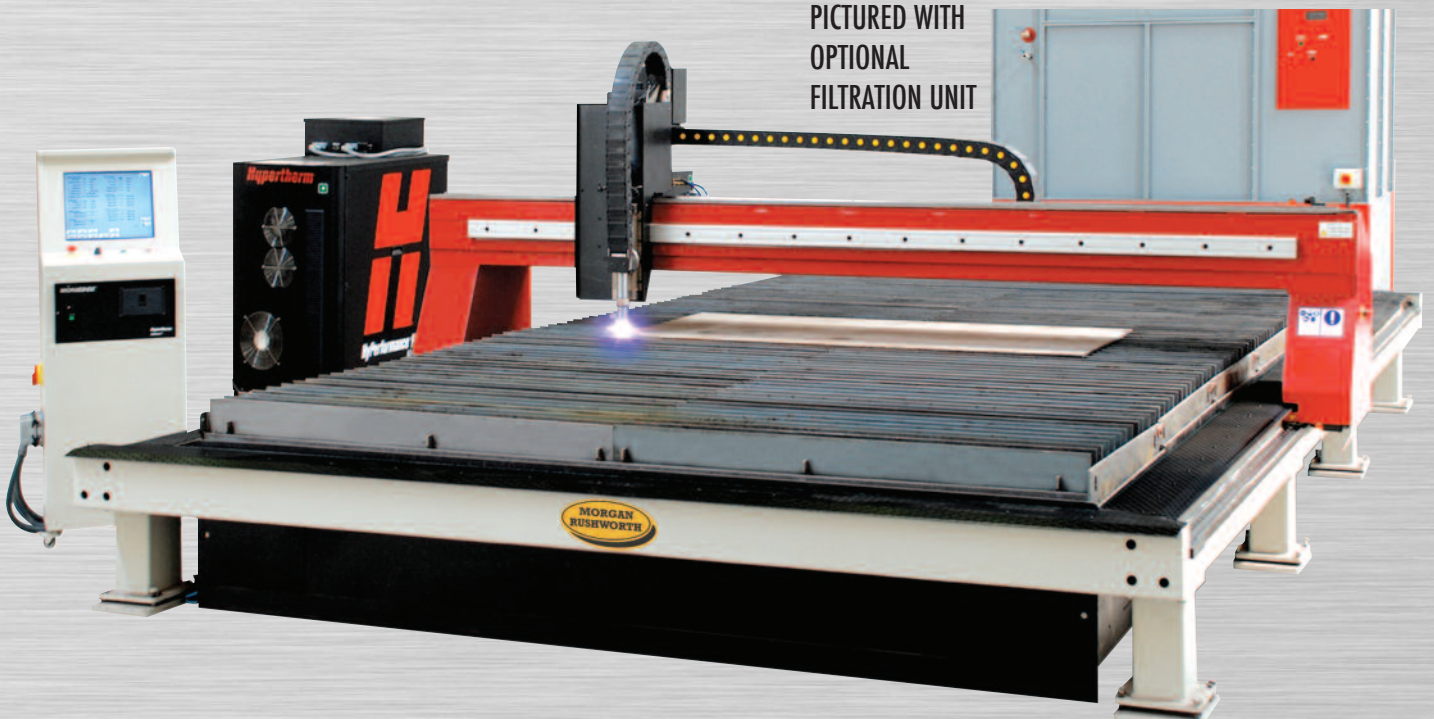
**HIGH DEFINITION PLASMA**

The Morgan Rushworth range of High definition plasma machines offer virtually dross free cutting of profiles in mild steel, stainless steel and aluminium sheet and plate material. The advanced Hypertherm patented plasma units, available in two cutting capacities, are standard equipment on all Morgan Rushworth machines and ensure fast, reliable, high quality production. Additional plasma units can be fitted for simultaneous operation to further increase production times and if required oxygen torches can be specified to cut material thicknesses of up to 300mm.

The Hypertherm MicroEDGE CNC controller can accept various programs from a disc, CD, or USB port. Standard shapes can be entered into the program with the touch screen display.

Morgan Rushworth Plasma machines are available with table sizes of 1250mm x 2500mm up to 6000mm x 36000mm.

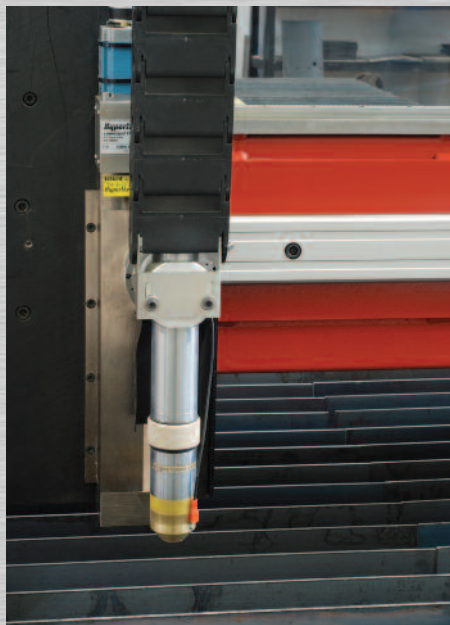
PICTURED WITH  
OPTIONAL  
FILTRATION UNIT



HDP PLASMA IN ACTION

HIGH EFFICIENCY HYPERTHERM TORCH

EXPOSED VIEW OF HYPERTHERM TORCH



**FEATURES**

- High definition and precision plasma cutting technology
- Strong steel frame designed to withstand constant high speed production
- High quality dross free finish without the requirement for secondary operation
- Arc voltage feedback to control optimum torch height position
- Large range of standard table sizes up to a huge 6m x 36M, with special sizes available on request
- Fast positioning with Siemens brushless AC servo motor
- Positioning accuracy to 0.01mm
- Automatic height control
- Automatic torch ignition
- X and Y axis travel on precision linear guide rails
- Mechanical and electronic collision avoidance system
- Hypertherm plasma units available in two capacities - HPR130 and HPR260
- High efficiency Hypertherm plasma unit and windows based CNC controller to ensure perfect operational harmony
- 180mm touch screen LCD display
- Bevels up to 45 degrees
- Marking and cutting of material performed with the same plasma torch
- Fume extraction system beneath the table with exhaust connection at rear of machine that can be connected to factory extraction system or to optional filtration unit

**HYPERTHERM HYPERFORMANCE PLASMA UNIT****CNC MICROEDGE CONTROL UNIT****OPTIONS**

- Additional plasma torches
- Oxygen torch for large capacity cutting
- High efficiency filtration unit
- Automatic gas control
- Auto nesting software to calculate maximum use of material to reduce wastage

**OPTIONAL FILTRATION UNIT**

**TECHNICAL SPECIFICATIONS**

MODEL	STOCK CODE	CUTTING WIDTH mm	CUTTING LENGTH mm	CUTTING THICKNESS PEIRCE mm	CUTTING THICKNESS FROM EDGE mm	CUTTING THICKNESS (OPT)-OXY with table mm	CUTTING THICKNESS (OPT)-OXY without table mm	MACHINE WIDTH mm	MACHINE LENGTH mm
HDP 1225/130	M8000	1250	2500	25	38	200	300	2750	4000
HDP 1225/260	M8001	1250	2500	32	64	200	300	2750	4000
HDP 1530/130	M8002	1500	3000	25	38	200	300	3000	4500
HDP 1530/260	M8003	1500	3000	32	64	200	300	3000	4500
HDP 2040/130	M8004	2000	4000	25	38	200	300	3500	5500
HDP 2040/260	M8005	2000	4000	32	64	200	300	3500	5500
HDP 2060/130	M8006	2000	6000	25	38	200	300	3500	7500
HDP 2060/260	M8007	2000	6000	32	64	200	300	3500	7500
HDP 2080/130	M8008	2000	8000	25	38	200	300	3500	9500
HDP 2080/260	M8009	2000	8000	32	64	200	300	3500	9500
HDP 3060/130	M8010	3000	6000	25	38	200	300	4500	7500
HDP 3060/260	M8011	3000	6000	32	64	200	300	4500	7500
HDP 3080/130	M8012	3000	8000	25	38	200	300	4500	9500
HDP 3080/260	M8013	3000	8000	32	64	200	300	4500	9500
HDP 3012/130	M8014	3000	12000	25	38	200	300	4500	13500
HDP 3012/260	M8015	3000	12000	32	64	200	300	4500	13500
HDP 3018/130	M8016	3000	18000	25	38	200	300	4500	19500
HDP 3018/260	M8017	3000	18000	32	64	200	300	4500	19500
HDP 3024/130	M8018	3000	24000	25	38	200	300	4500	25500
HDP 3024/260	M8019	3000	24000	32	64	200	300	4500	25500
HDP 4060/130	M8020	4000	6000	25	38	200	300	5500	7500
HDP 4060/260	M8021	4000	6000	32	64	200	300	5500	7500
HDP 4012/130	M8022	4000	12000	25	38	200	300	5500	13500
HDP 4012/260	M8023	4000	12000	32	64	200	300	5500	13500
HDP 6012/130	M8024	6000	12000	25	38	200	300	7500	13500
HDP 6012/160	M8025	6000	12000	32	64	200	300	7500	13500
HDP 6024/130	M8026	6000	24000	25	38	200	300	7500	25500
HDP 6024/260	M8027	6000	24000	32	64	200	300	7500	25500
HDP 6036/130	M8028	6000	36000	25	38	200	300	7500	37500
HDP 6036/260	M8029	6000	36000	32	64	200	300	7500	37500