

# Master Series

High Performance, Advanced Technology



The **Master Series** is a line of CNC cutting systems designed to be reliable, cost-effective and high performing. The Master is built to ensure a smooth and accurate performance. It is equipped with a **Hypertherm** PC base CNC control, AC servo drives, precision linear guide ways and self-aligning plasma torch collision sensor.

To meet individual requirements, the Master Series provides a broad range of options that allow configurations such as width and length capacities, speed & accuracy, beveling, pipe cutting, down-draft or water style tables as well as multiple oxy fuel & high definition capabilities.



***Hypertherm***<sup>®</sup>  
***Cut with confidence***<sup>®</sup>

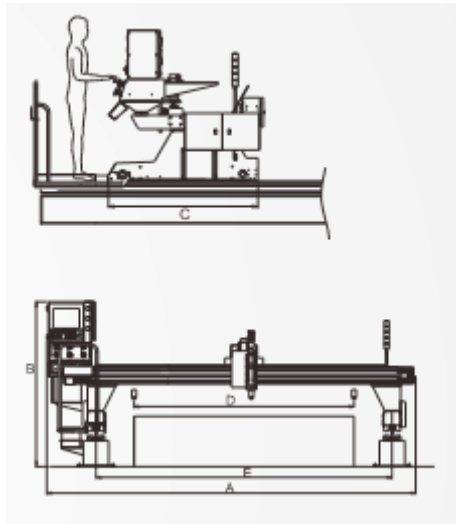
# Master Series

## Drive & Control Features:

- Latest **Hypertherm** CNC controls designed for high density plasma
- Delta super-duty AC servos & drives
- Precision gear reducer
- Festo pneumatics throughout
- Oversized precision racks & pinions
- Self-compensating pinions for constant repeatability
- Precision square way linear bearings

## Specifications:

Model	Unit	Master 20	Master 25	Master 30	Master 35	Master 40	Master 45	Master 50	Master 60	Master 70	Master 80
Power Input		AC 220V, 50 / 60 Hz, 3 Phase									
Travel Drive Method		Rack & Pinion									
Longitudinal Rail		Grinding I-rail									
Transverse Rail		Double Linear Way									
Overall Width A	Inch	118	138	157	177	197	217	236	276	315	354
Overall Height B	Inch	71	71	71	71	71	71	73	73	73	73
Overall Depth C	Inch	59	59	59	59	59	59	79	79	79	79
Cutting Width D	Inch	63	83	102	122	142	161	181	221	260	299
Rail Gauge E	Inch	79	98	118	138	157	177	197	236	276	315
Parking Space	Inch	59	59	59	59	59	59	59	79	79	79
Cutting Speed	lpm	315 / 472 / 630							472/630	315/630	315/630
Travel Speed	lpm	472 / 630 / 945							630/945	472/630	472/630
Min Distance Between 2 Torches	Inch	4									
Track Length (Section)	Inch	118									
Weight	Lbs	2768	2669	2993	3465	3600	3735	4725	4950	5400	5738



### X-Cut Bevel Option

#### Universal Plasma Bevel Head

- Bevel Cutting Ability A = 45 deg, V = 45 deg
- High Bevel Speed
- Heavy-duty Construction
- Full Collision Detection for Torch
- Expert Motion Controller for Tilt & Rotation Axis
- Automatic Torch Height Control

#### Specification

Beveling Angle	+/- 45 degree
Rotation Speed	30 rpm
Height Control Accuracy	+/- 0.1 mm
Tilt Accuracy	+/- 0.25 degree
Rotation Accuracy	+/- 0.25 degree
Overall Accuracy	+/- 0.5 degree



## O-Cut Stationary Pipe Cutting Option - Integrated to Master Series

