

*powermax***EDGE**[®]

Integration made easy



Hypertherm's industry-leading **Powermax**[®] plasma cutting system, with **Sensor**[™] **PHC** torch height control, or **EDGE**[®] **Ti CNC** with integrated PHC are now available in one fully-integrated package – the **PowermaxEDGE**[®].

The PowermaxEDGE offers metal fabricators a complete entry-level mechanized plasma cutting system with outstanding performance and value. Engineered for seamless installation and ease-of-use, the tightly coupled design of the PowermaxEDGE makes operation simple and integration easy.

Hypertherm's PowermaxEDGE package makes equipment selection easy too: select a power supply and the Automation configuration to get a fully-integrated plasma cutting solution.



powermax **EDGE**[®]

Powermax G3 Series Plasma Systems

The Powermax G3 leads the industry for high quality, cost effective, mechanized air plasma cutting. With patented Coaxial-assist technology[™], and advanced torch and power supply designs, the Powermax cuts thicker plates, at faster speeds, with better cut quality and consumable life than any other competitor.

Powermax1000

3/8" (10 mm) maximum pierce capacity
1/2" (12 mm) maximum cut capacity

Powermax1250

3/8" (10 mm) maximum pierce capacity
5/8" (16 mm) maximum cut capacity

Powermax1650

1/2" (12 mm) maximum pierce capacity
3/4" (19 mm) maximum cut capacity

- Auto-voltage[™] input sensing
- Boost Conditioner[™] circuit
- HyLife[®] electrode technology





Sensor PHC

The Sensor PHC (Plasma Height Control) is an easy-to-use automatic plasma height control. It provides improved cut quality through closed loop control.

- On/off signal needed from customer-supplied controller
- 200 IPM maximum slew rate
- Timed initial height sensing (IHS)
- Arc-voltage feedback with accuracy to 1 arc-volt
- Simple operational controls and fault indicators
- Lifter with built-in magnetic torch mount breakaway to protect the torch from plate collisions

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EDGE Ti

The EDGE Ti sets the standard for high performance motion control in an affordable bundle.

- Self-contained integrated plasma and Z-axis communication
- Supports up to 4 servo axes
- Windows XP embedded operating system
- Industrial grade motherboard
- Large touch screen monitor
- Full-featured, shape cutting software (HyperNest)
- Lifter with built-in magnetic torch mount breakaway to protect the torch from plate collisions

Available in 3 configurations

1. Without motors and cables
2. With cables and motors, single-side drive
3. With cables and motors, dual-side drive



Step 1: Select one from the table below

System	Part no.
Sensor PHC bundle	228340
EDGE Ti bundle with lifter and cables (no axis motors) (no axis cables)	228341
EDGE Ti bundle with lifter, cables, and motors (single-side drive)	228342
EDGE Ti bundle, with cables and motors, dual-side drive	228343

Step 2: Select one from the table below

System	Version	Leads	Part no.
Powermax1000	CSA	25'	083222
		50'	083223
	CE	25'	083224
		50'	083225
Powermax1250	CSA	25'	087060
		50'	087061
	CE	25'	087062
		50'	087063
Powermax1650	CSA	25'	059320
		50'	059321
	CE	25'	059322
		50'	059323

Step 3: Use the two numbers you have selected to place your order

Example:

228341 – **EDGE Ti bundle with lifter and cables (no axis motors) (no axis cables)**

087060 – **Powermax1250 CSA with 25' leads**

System	Pierce capacity		Cut performance (distance per minute)						
	Recommended	Maximum	1/8" (3 mm)	1/4" (6 mm)	3/8" (10 mm)	1/2" (12 mm)	5/8" (16 mm)	3/4" (19 mm)	1" (25 mm)
Powermax1000	3/8" (10 mm)	1/2" (12 mm)	264" (6,706 mm)	132" (3,353 mm)	63" (1,600 mm)	42" (1,067 mm)	31" * (787 mm) *	22" * (558 mm) *	12" * (305 mm) *
Powermax1250	3/8" (10 mm)	5/8" (16 mm)	432" (10,973 mm)	161" (4,089 mm)	94" (2,388 mm)	60" (1,524 mm)	40" (1,016 mm)	31" * (787 mm) *	16" * (406 mm) *
Powermax1650	1/2" (12 mm)	3/4" (19 mm)	456" (11,582 mm)	208" (5,283 mm)	119" (3,023 mm)	88" (2,235 mm)	61" (1,549 mm)	47" (1,194 mm)	28" * (711 mm) *

*For edge-starts

A word on Hypertherm's cut capacity ratings

There is no industry standard for capacity ratings; be sure to understand the basis for competitive claims. Capacity ratings for mechanized applications are determined by piercing capability. The recommended capacity is the thickness that can be pierced without excessive wear on the consumable parts. The maximum capacity is the thickness that can be pierced, though with reduced consumable life.

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