

Configurations

System	Version	Leads	Sensor PHC bundle	EDGE Ti bundle,* no motors, no cables	EDGE Ti bundle, with cables and motors, single-side drive	EDGE Ti bundle, with cables and motors, dual-side drive
Powermax1000	CSA	25'	089000	089012	089024	089036
		50'	089006	089018	089030	089042
	CE	25'	089003	089015	089027	089039
		50'	089009	089021	089033	089045
Powermax1250	CSA	25'	089001	089013	089025	089037
		50'	089007	089019	089031	089043
	CE	25'	089004	089016	089028	089040
		50'	089010	089022	089034	089046
Powermax1650	CSA	25'	089002	089014	089026	089038
		50'	089008	089020	089032	089044
	CE	25'	089005	089017	089029	089041
		50'	089011	089023	089035	089047

*Note: in this configuration the EDGE Ti is shipped with 3 axis enabled. The fourth axis activation is sold separately.

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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powermaxEDGE®

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: choose the configuration that works for you, order one part number, and you get a fully-integrated plasma cutting solution.



powermaxEDGE®

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

Integration made easy

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

