

A dramatically simplified consumable platform combined with advanced torch communication for automated setup makes Hypertherm's new Powermax65/85/105 SYNC® plasma systems the smarter choice for any cutting or gouging application.



- SmartSYNC torch**
- Simple, twist-on consumable installation
 - Convenient power and amperage adjustment controls

- Auto-set power supply**
- Automatic process and amperage setting
 - Data display

- Cartridge**
- Single-piece
 - Easy to identify
 - RFID communicates amperage and type

Easy to use

- Easy to identify single-piece cartridge consumables are color coded by process to eliminate parts mix-up and simplify consumable inventory management.
- New SmartSYNC™ torches with the Hypertherm cartridge automatically set the correct amperage and operating mode, eliminating setup errors.
- End of life detection lets the operator know when it's time to change the cartridge.
- Less operator fatigue when using hand torches with our new flexible lead. The lead has the same robustness of our previous lead jacket material.

Minimizes operating costs

- Simplified operation minimizes downtime, troubleshooting, waste and training time.
- Advanced cartridge consumable design provides up to twice the life for hand cutting and improved quality over life in mechanized setups compared to standard consumables.
- Access cartridge data for performance tracking, analyzing usage patterns.

Capacity	Powermax65 SYNC		Powermax85 SYNC		Powermax105 SYNC	
	Thickness	Cut speed	Thickness	Cut speed	Thickness	Cut speed
Cutting						
Recommended	20 mm (3/4")	500 mm/min (20 ipm)	25 mm (1")	500 mm/min (20 ipm)	32 mm (1-1/4")	500 mm/min (20 ipm)
	25 mm (1")	250 mm/min (10 ipm)	32 mm (1-1/4")	250 mm/min (10 ipm)	38 mm (1-1/2")	250 mm/min (10 ipm)
Severance	32 mm (1-1/4")	125 mm/min (5 ipm)	38 mm (1-1/2")	125 mm/min (5 ipm)	50 mm (2")	125 mm/min (5 ipm)
Pierce*	16 mm (5/8")		20 mm (3/4")		22 mm (7/8")	
*Pierce rating for handheld use or with automatic height control						
Capacity	Metal removal rate	Groove profile	Metal removal rate	Gouge profile	Metal removal rate	Gouge profile
	Maximum removal gouging					
Typical gouge	4 kg (8.8 lbs.) per hour	2.9 mm D x 6.4 mm W (.11" D x .25" W)	8.2 kg (18.2 lbs.) per hour	3.5 mm D x 6.6 mm W (.14 D x .26 W)	8.6 kg (19.1 lbs.) per hour	6.6 mm D x 6.2 mm W (.26 D x .24 W)