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HELLO PRODUCTIVITY.



# Hypertherm<sup>®</sup> Powermax SYNC<sup>™</sup>

Advanced design improves and  
optimizes plasma cutting and gouging

Learn more  
about the  
cartridge:

### Why a Smart Cartridge System?

Customers have identified common pain points when it comes to plasma consumables including:

- Uncertainty over knowing which consumables should be changed and when
- The expense, hassle, and downtime of managing inventory of multiple consumable parts.
- Sub-optimal cutting outcomes due to improper consumable selection and process set-up
- Consumable life not meeting expectations

### Operational Improvements:

- Less downtime, troubleshooting, and training time
- Ease of use and increased efficiencies help address labor shortages
- Up to twice the consumable life versus standard consumables
- Single piece cartridge reduces inventory and guesswork
- Smart system produces consistent optimized performance

### Cartridge Capabilities with PowermaxSYNC Torch and Power Source:

- New SmartSYNC torches with Hypertherm cartridge automatically set the correct amperage and operating mode, eliminating setup errors.
- End-of-life detection lets operator know when to change the cartridge
- Cartridge captures operational data that helps track performance
- Interchangeable torches and application specific cartridges allow you to efficiently perform cutting, gouging, and flush-cutting
- Adjustments can be made at the Smart SYNC Torch without having to run back and forth to the power supply.



### Cartridge Capabilities with Duramax Torch and SYNC Adapter:

- Single piece color coded cartridge makes choosing the correct consumable for the job simple
- Single piece cartridge is swapped-out in seconds
- Engineered for rugged industrial environments with SpringStart<sup>™</sup> technology to ensure consistent starting and a more reliable torch



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Upgrade to the NEW revolutionary Hypertherm cartridge consumable platform with a torch adapter for Powermax Duramax and Duramax Lock Series torches.

### The single-piece cartridge



#### Easy to use:

- Hypertherm's new single-piece cartridge consumable dramatically simplifies set-ups for cutting and gouging applications
- Installation of a torch adapter onto a Duramax or Duramax Lock torch makes conversion to the cartridge platform a simple process
- Single piece cartridge is swapped-out in seconds
- Cartridge performance is optimized for cut quality and life.
- Changing cartridges is simple and fast

#### Cost Effective:

- Eliminates errors when using wrong consumables or not knowing when to change individual components
- Torch adapter is durable and will outlast multiple cartridge change outs
- Consumable inventory is streamlined and more efficient

The adapter is designed to support multiple cartridge change-outs. Periodically inspect and remove the adapter from the torch to check for cracking and thread wear to determine when to replace.



HYP 428951

#### Color-coded Caps by Application



#### Compatibility

The torch adapter allows for conversion to the cartridge consumable platform if you have the following systems and torch types.

System	Torch type	Adapter part #
Powermax45 XP	Duramax Lock hand, mechanized & robotic	428951
Powermax65		
Powermax85	Duramax hand, mechanized and robotic	\$120.00
Powermax105		

• Not recommended for use on Duramax retrofit torches for Powermax1000/1250/1650

• Not compatible with Duramax Hyamp standard or long style torches

• The cartridge consumable platform is standard for the new Powermax SYNC 65/85/105 systems with SmartSYNC torches (no adapter required)

#### Drag cutting and FineCut for hand torches



Hypertherm cartridges		
Process	Cartridge	Sale Price
105 A	428937	\$55.00
85 A	428935	\$53.00
65 A	428931	\$53.00
45 A	428927	\$53.00
FineCut drag cutting	428928	\$55.00

#### Max removal and max control gouging



Hypertherm cartridges		
Process	Cartridge	Sale Price
Max removal gouging 105 A	428938	\$57.00
Max removal gouging 45-85 A	428932	\$55.00
Max control gouging 105 A	428939	\$57.00
Max control gouging 45-85 A	428933	\$55.00

Call Purity today for help getting your plasma in SYNC!  
888-532-2375 / [www.puritygas.com](http://www.puritygas.com)

Learn more about  
the cartridge:

