Hypertherm® & PURITY CYLINDER GASES INC.

Present

The NEW Revolutionary Powermax SYNC™ Series

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

Cartridge
- Single-piece
- Easy to identify
- RFID communicates amperage and process

Auto-set power supply
- Automatic process & amerpage setting
- Data display

The next generation of Powermax65/85/105 systems is unlike any plasma you've seen before! Powermax SYNC will change the way you work! Professional air plasma systems from 65-105 amps.

SIMPLE

SMART

RELIABLE

OPTIMIZED

System Capabilities:
- Single-piece cartridge, color-coded by process
- Performance stats & end-of-life captured directly from the cartridge
- SmartSYNC™ torches automatically set correct amperage & operating mode upon cartridge install
- Amperage adjustment controls located on the torch
- Advanced cartridge design provides optimal performance

Operational Improvements:
- Simplify inventory management
- Eliminate consumable selection errors
- Eliminate machine setting errors
- Reduce downtime, troubleshooting & training with easier & faster setup
- Track & analyze usage patterns (# of starts, transfers and arc time)
- Eliminate guesswork around when to replace consumables
- Get more out of each consumable (2x the life)
- Maximize consistency, reliability, quality and performance with the advanced cartridge design

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Powermax65 SYNC
Standard Power Supply

Recommended Capacities:
Cutting: 3/4"-1" / 20 ipm
Severance: 1-1/4" / 10 ipm

Order# HYP 083343

Powermax85 SYNC
Standard Power Supply

Recommended Capacities:
Cutting: 1"-1-1/4"/ 20 ipm
Severance: 1-1/2" / 10 ipm
Pierce: 3/4" / 5 ipm

Order# HYP 087183

Powermax105 SYNC
Standard Power Supply

Recommended Capacities:
Cutting: 1-1/4"-1-1/2" / 20 ipm
Severance: 1-1/2" / 10 ipm
Pierce: 7/8" / 5 ipm

Order# HYP 059625

Scan here for pricing and availability!

Watch a Video!

Hypertherm® Powermax SYNC™

Cartridge Adapter
for the Powermax® Torch Series, Duramax® and Duramax Lock

PURITY CYLINDER GASES INC.

The single-piece cartridge

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

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	Duramax hand, mechanized and robotic	
Powermax85		
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)

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

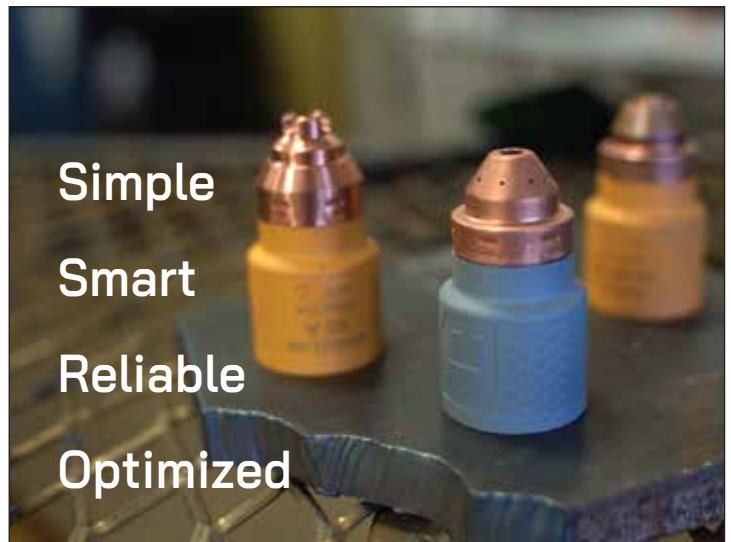**Color-coded Caps by Application**

Drag Cutting
Gouging
Standoff Cutting
FlushCut

Drag cutting and FineCut® for hand torches

Hypertherm cartridges	
Process	**Cartridge**
105 A	428937
85 A	428935
65 A	428931
45 A	428927
FineCut drag cutting	428928

Max removal and max control gouging

Hypertherm cartridges	
Process	**Cartridge**
Max removal gouging 105 A	428938
Max removal gouging 45–85 A	428932
Max control gouging 105 A	428939
Max control gouging 45–85 A	428933

Simple

Smart

Reliable

Optimized