



# Hypertherm cartridge for Powermax® plasma systems

The simplicity of a single-piece consumable, optimized for maximum performance



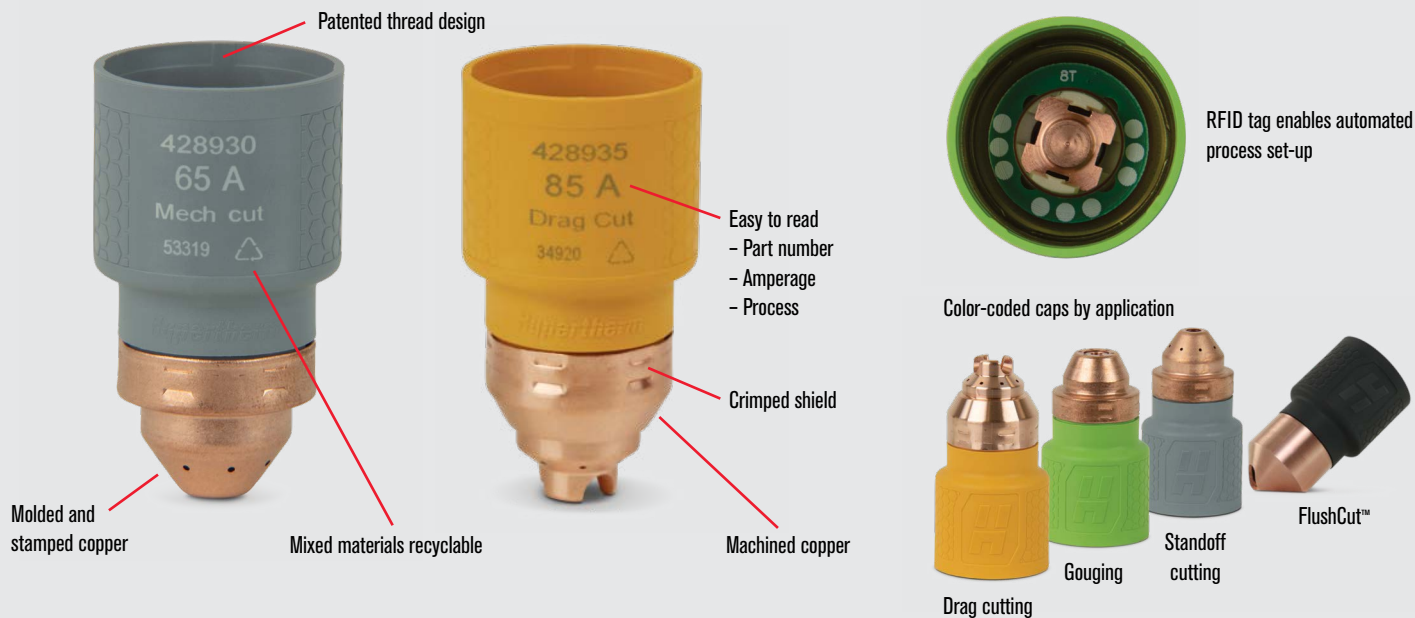
## Advanced design improves and optimizes plasma cutting and gouging

The Hypertherm cartridge marks a revolutionary change to traditional plasma consumables. The cartridge is the product of several years of plasma engineering design expertise, combined with advanced manufacturing processes and materials. The result is a simplified consumable platform that is far from simple in performance.

### **Innovative consumable design requires equally advanced manufacturing capabilities**

Hypertherm's cartridge for Powermax plasma systems looks different because it is different:

- Automated assembly of the components in the cartridge ensures perfect alignment
- Eliminates the question of which parts need to be changed, and when
- Cartridge-to-torch installation is a simple and fast three-quarter turn
- Management of consumable inventory is dramatically simplified



## Background

Plasma system customers from around the world have identified common pain points when it comes to plasma consumable use 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/durability not meeting expectations

## Compatibility

Systems	Torches	Capabilities
Powermax65/85/105 SYNC™	SmartSYNC™ hand/mechanized/robotic	<ul style="list-style-type: none"> <li>▪ Automated process set-up</li> <li>▪ Utilization data</li> </ul>
Powermax45® XP/65/85/105	Duramax® and Duramax Lock hand/mechanized/robotic	<ul style="list-style-type: none"> <li>▪ Requires a torch adapter (part 428951)</li> <li>▪ Does not provide automated process set-up</li> <li>▪ Does not capture utilization data</li> </ul>

For adapter use with mechanized cartridges reference the cut charts guide for cartridge adapter on Duramax torches 811300MU.

For more information, visit:  
[www.hypertherm.com](http://www.hypertherm.com)

Hypertherm, SYNC, SmartSync, FlushCut, Shaping Possibility, Duramax, and Powermax are trademarks of Hypertherm, Inc. and may be registered in the United States and/or other countries. All other trademarks are the property of their respective owners.

Please visit [www.hypertherm.com/patents](http://www.hypertherm.com/patents) for more details about Hypertherm patent numbers and types.

© 4/2021 Hypertherm, Inc. Revision 0  
 898140

## Cartridge design benefits

- Consolidation of consumable parts into a single-piece cartridge results in proper alignment of components, and optimization of the plasma process. Cartridge eliminates the mixing of new parts with used parts common during standard consumable change outs. The result is improved and consistent cut quality outcomes.
- Cartridges have RFID tags that enable automated process set-up for Powermax SYNC™ systems using SmartSYNC™ torches. The tag also records valuable usage data for tracking consumable utilization and performance.
- Cartridges are color coded by process and feature easy-to-read laser marking. Selecting the correct cartridge for the job at hand maximizes life and provides optimal outcomes.

As 100% Associate-owners, we are all focused on delivering a superior customer experience. [www.hypertherm.com/ownership](http://www.hypertherm.com/ownership)

Environmental stewardship is one of Hypertherm's core values. [www.hypertherm.com/environment](http://www.hypertherm.com/environment)

100% Associate-owned 

**Hypertherm**<sup>®</sup>  
 SHAPING POSSIBILITY<sup>®</sup>