Red-D-Arc™

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Hypertherm cartridge for Viper SYNC™ and Python SYNC™ 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

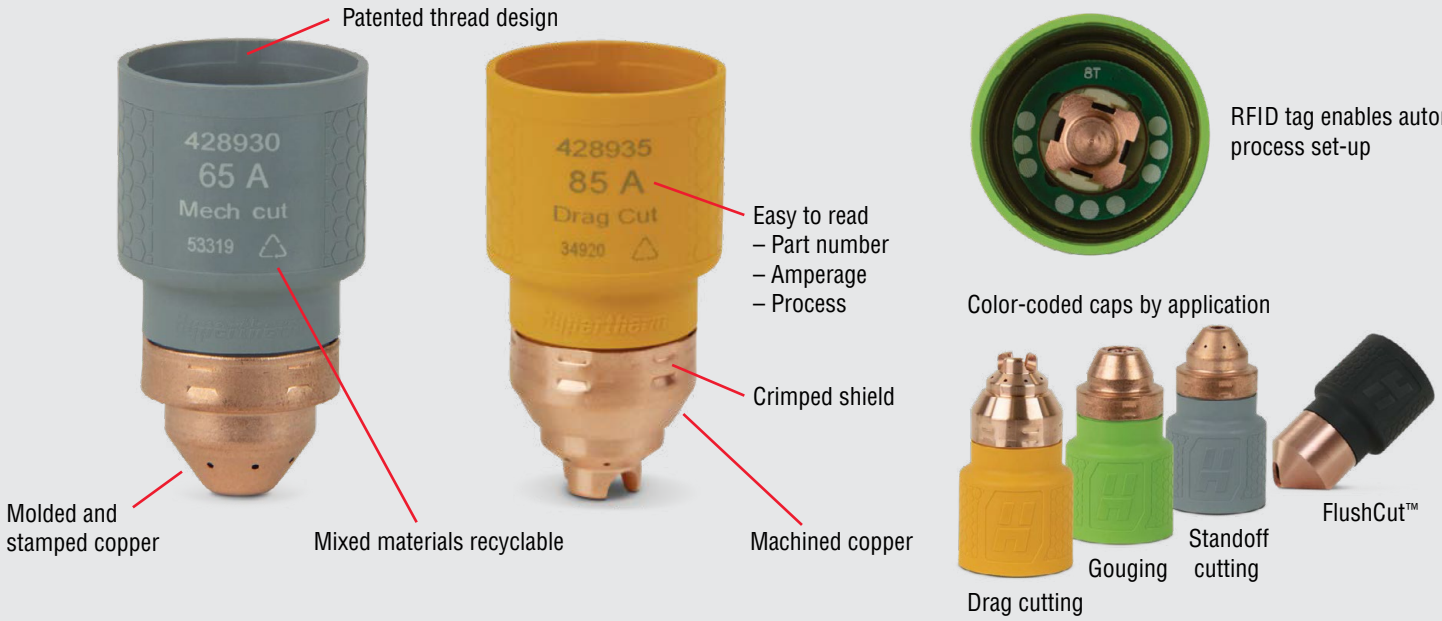
Hypertherm's cartridge for Viper SYNC and Python SYNC plasma systems looks different because it is different:

- 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
Viper65 SYNC™, Python85 SYNC™, and Python105 SYNC™	SmartSYNC™ hand/ mechanized/robotic	• Automated process set-up • Utilization data

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

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 Viper SYNC™ and Python 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.

Cartridges are available for the following specialty processes

FlushCut™ consumables

The patented consumable design for FlushCut features an angled nozzle bore design which delivers the plasma arc at a 45-degree angle. This unique design gives you the ability to cut closer or more flush to the base than ever before which significantly reduces grinding and increases the opportunity to reuse pad eyes, attachments and other temporary weld supports.

HyAccess™ consumables

Patented consumables with extra length and a narrower profile for cutting and gouging in hard to reach places, or where your standard consumables can't reach.

Gouging consumables

Plasma gouging provides a quieter and cleaner weld removal process. Max removal gouging consumables are designed for aggressive metal removal, achieving deep gouge profiles and extreme metal washing applications. Max control gouging consumables are designed for more precise metal removal, achieving a shallow gouge profile and light washing applications.

For more information, visit:
www.hypertherm.com

Red-D-Arc™

Red-D-Arc rents and leases Hypertherm plasma cutting systems. Hypertherm, in business since 1968, is the world leader in plasma technology and continues to bring innovative products to market that help solve metal cutting and gouging challenges. All products are designed and assembled in the USA.

ISO 9001:2008