

# Hypertherm®

**Duramax™ HRT and MRT retrofit torches for Powermax600®, Powermax800®, Powermax900®, MAX42® and MAX43® systems**



TECHNOLOGY UPGRADE

PERFORMANCE

## SHARPEN YOUR CUTTING EDGE!

### Upgrade to Hypertherm's Duramax retrofit torch

#### 6 times longer consumable life

- Conical flow™ nozzle and spring electrode give you up to 6 times longer consumable life, when compared with standard PAC121, PAC123 and PAC125 torches and consumables.

#### More convenient

- All Duramax torches use the same consumables, so you can consolidate consumables across multiple product families.

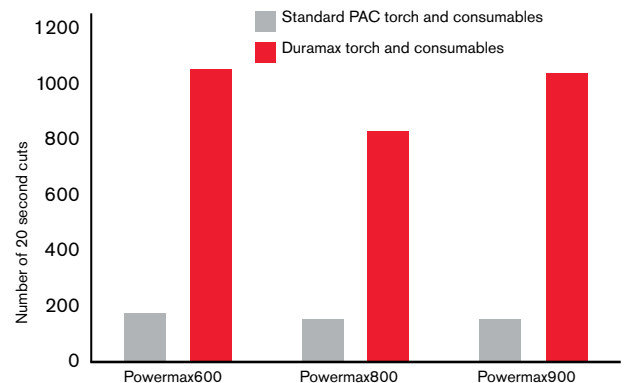
#### Easy plug-and-play upgrade

- Duramax retrofit torches use the torch connection designed for your system which makes retrofitting easy.

**“Before retrofitting our system, we used to have to buy different types of consumables for each machine. Now with the Duramax retrofit torch installed on our Powermax900, all of our systems use the same consumables.”**

– Ed Chapman, NESM

#### Consumable life testing



#### COMPATIBLE WITH

Powermax600  
Powermax800  
Powermax900

MAX42  
MAX43



# Duramax™ HRT

## Handheld retrofit torch

Internal stainless steel switch **improves cap-sense reliability** to eliminate cap-sense failures

Torch neck is slimmer for **greater arc visibility and increased accessibility**



Greater distance from torch head to trigger **reduces heat on the trigger and your hand**

Hard stop on the torch body **prevents over-tightening consumables** and crushing of the swirl ring

Shadowed trigger **limits damage** from spray back



Retrofit torches are available in handheld and mechanized versions, with or without a quick disconnect and with a 7.6 m (25') or 15.2 m (50') lead.



**1 year torch and lead warranty**

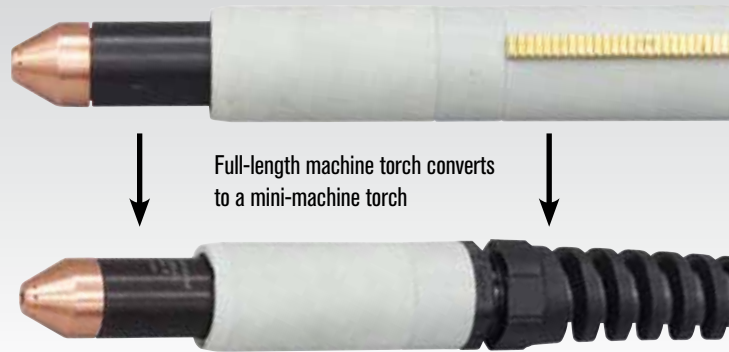
**Ergonomic** torch for noticeably easier handling

Square handle grip for **more control**

Enhanced trigger for a smooth action, **more control** and **easy activation**

## **Duramax™ MRT** **Mechanized retrofit torch**

- Full-length torch – 380 mm (15")
- Features a removable gear rack
- Converts to a mini torch configuration for improved cutting accessibility in robotic applications



New spring strain-relief design to **improve bend reliability by 10 times**

Duramax retrofit torches are available with and without quick disconnects, to make retrofitting easy.



Handheld torch lead with quick disconnect.



Mechanized torch lead with quick disconnect.



Handheld or mechanized torch lead without quick disconnect for Powermax600 CE systems.

## PARTS LIST

### Duramax retrofit torches

Part number	Description	Compatible system(s)
228916	Duramax HRT – Handheld Retrofit Torch 7.6 m (25') Lead	Powermax600, Powermax800, Powermax900, MAX42, MAX43
228917	Duramax HRT – Handheld Retrofit Torch 15.2 m (50') Lead	Powermax600, Powermax800, Powermax900, MAX42, MAX43
228918	Duramax HRT – Handheld Retrofit Torch 7.6 m (25') Lead*	Powermax600 CE
228919	Duramax HRT – Handheld Retrofit Torch 15.2 m (50') Lead*	Powermax600 CE
228920	Duramax MRT – Mechanized Retrofit Torch 7.6 m (25') Lead	Powermax600, Powermax800, Powermax900, MAX42, MAX43
228921	Duramax MRT – Mechanized Retrofit Torch 15.2 m (50') Lead	Powermax600, Powermax800, Powermax900, MAX42, MAX43
228922	Duramax MRT – Mechanized Retrofit Torch 7.6 m (25') Lead*	Powermax600 CE
228923	Duramax MRT – Mechanized Retrofit Torch 15.2 m (50') Lead*	Powermax600 CE

\*Without quick disconnect

### Duramax consumables

Part number	General part description	Amperage compatibility
220857	Swirl ring, all processes except handheld FineCut® and 100 A / 105 A	40 A – 85 A
220947	Swirl ring, handheld FineCut	40 A – 45 A
220842	Standard Duramax Electrode	40 A – 105 A
220777	CopperPlus Electrode**	40 A – 105 A
220941	Nozzle, 45 A	40 A – 55 A
220930	Nozzle, FineCut	40 A – 45 A
220797	Nozzle, 65 A / 85 A gouging	40 A – 85 A
220854	Retaining cap	40 A – 105 A
220953	Retaining cap, ohmic	40 A – 105 A
220818	Shield, 65 A / 85 A drag-cutting	40 A – 85 A
220817	Shield, 65 A / 85 A mechanized	40 A – 85 A
220798	Shield, gouging	40 A – 105 A
220948	Shield, FineCut ohmic	40 A – 45 A
220955	Deflector, mechanized	40 A – 105 A
220931	Deflector, handheld FineCut	40 A – 45 A

Standard PAC and RT60 style consumables are not compatible with Duramax retrofit torches.

\*\*To learn more about the CopperPlus Electrode, visit [www.hypertherm.com/upgrades](http://www.hypertherm.com/upgrades).

### Kits and accessories

Part number	Description
850930	FineCut consumable kit – compatible with all HRT handheld torches
850920	FineCut consumable kit – compatible with all MRT mechanized torches
024548	Leather lead cover available in 7.6 m (25') sections
127102	Circle cutting guide, basic kit
027668	Circle cutting guide, deluxe kit

# Hypertherm®

## Cut with confidence®

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Data shown are the product of controlled testing in Hypertherm laboratories. Contact Hypertherm for a complete written description of test procedures.

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

