



## HYPERTHERM Powermax45 SYNC®

### Description

For metal workers who want the most versatile system available to gouge, cut, and mark, Powermax45 SYNC delivers the best return on investment with a patented single-piece cartridge, up to 5x longer consumable life, and greater cutting power than higher-amperage competitors.

### Simplify operations and boost productivity

- Simplified system operation minimizes the time and costs spent on training and troubleshooting
- Reductions to downtime during consumable change-outs and elimination of costs associated with premature disposal of consumable parts
- Cartridge usage data provides valuable insights for improving cutting operations and consumable inventory management

### Easy to use

- Cartridges are easy to identify by process with clear laser marking and color coding to eliminate part mix-ups.
- RFID-enabled SmartSYNC torches and cartridge automatically set the correct amperage and operating mode, eliminating setup errors
- End-of-life consumable detection eliminates the uncertainty of knowing when to change the cartridge
- Less operator fatigue when using hand torches with our new flexible lead. The lead has the same robustness of our previous lead jacket material and will also be used on robotic torches

### Maximize performance

- Tackle a wide range of jobs with easily interchangeable torch styles and application specific cartridges for various types of cutting and gouging
- Optimized cartridge consumable design provides up to twice the life for handheld cutting and

improved quality over life in mechanized setups compared to standard consumables

- Time-saving hand torch controls allow the operator to adjust the amperage on the fly, change cartridges and application without returning to the power supply

## Industry-leading reliability

- SmartSYNC torches are engineered for rugged, industrial environments
- SpringStart™ technology ensures consistent starting and a more reliable torch
- Industry-leading reliability reduces production downtime

## Specification

Cut Capacity	Thickness	Cut Speed
<b>Recommended</b>	16 mm (5/8")	500 mm/min (20 ipm)
<b>Severance</b>	29 mm (1-1/8")	125 mm/min (5 ipm)
<b>Pierce</b>		

(\*Pierce rating for handheld use or with automatic torch height control)

13 mm (1/2")

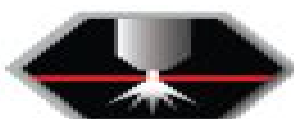
**Output Range**

10 -45 A

**Input Range**

415 V (Three Phase)

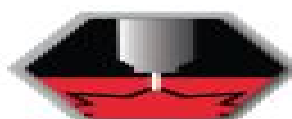
## Application Capabilities



**Mechanized Cutting**



**Drag Cutting**



**FineCut™**



**Max Removal Gouging**



**Max Control Gouging**



**Marking**