

# Have you seen what today's plasma can do?

Cutting metal gets easier every day. Today's plasma systems offer many advantages over older machines.



20 years ago

**MAX100®**



10 years ago

**Powermax1650®**



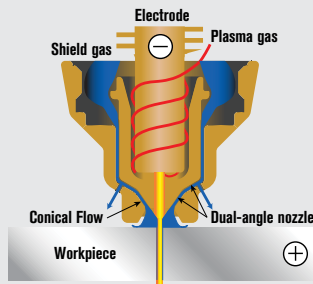
Today

**Powermax105®**

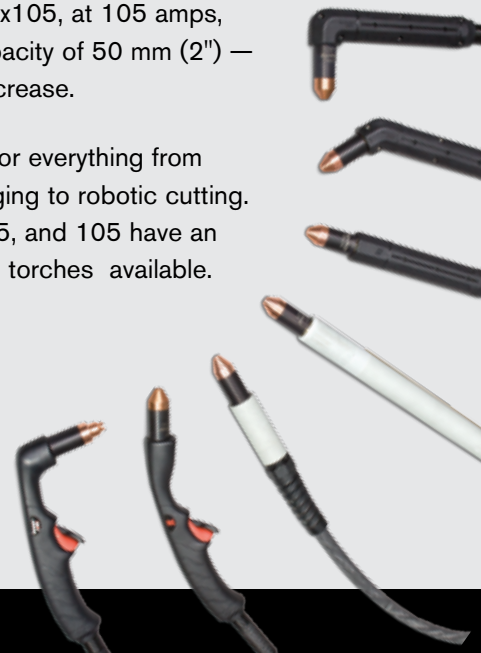
|                        |                     |                      |                      |
|------------------------|---------------------|----------------------|----------------------|
| Amperage               | 100 A               | 100 A                | 105 A                |
| Severance cut          | 32 mm (1.25")       | 44 mm (1.75")        | 50 mm (2")           |
| Cut speed 12 mm (1/2") | 889 mm/min (35 ipm) | 2235 mm/min (88 ipm) | 2580 mm/min (95 ipm) |
| Auto-voltage           | No                  | Yes                  | Yes                  |
| Auto-gas               | No                  | No                   | Yes                  |
| Start type             | High-frequency      | Contact              | Contact              |
| Removable torch        | No                  | Yes                  | FastConnect™         |

## Technology advancements

- No high-frequency — Powermax systems are contact-start systems that won't interfere with other shop equipment.
- Today's systems are smaller, lighter, more efficient and more powerful, with faster cut speeds than ever before.
- New consumable designs with Conical Flow™ and Spring Start™ technology last longer than ever before, increasing productivity over older designs. The new Powermax105 cuts 48 m (157') more metal per consumable set than the MAX100 did.
- New systems are easy to use with quick disconnect torch leads, automatic gas adjustment, and simple controls.



- Technology advances also bring capacity increases. Twenty years ago, the 100 amp MAX100 had a severance capacity of 32 mm (1-1/4"). Today, the Powermax105, at 105 amps, has a severance capacity of 50 mm (2") — a more than 55% increase.
- New torch designs for everything from hand cutting to gouging to robotic cutting. The Powermax65, 85, and 105 have an array of 7 Duramax™ torches available.



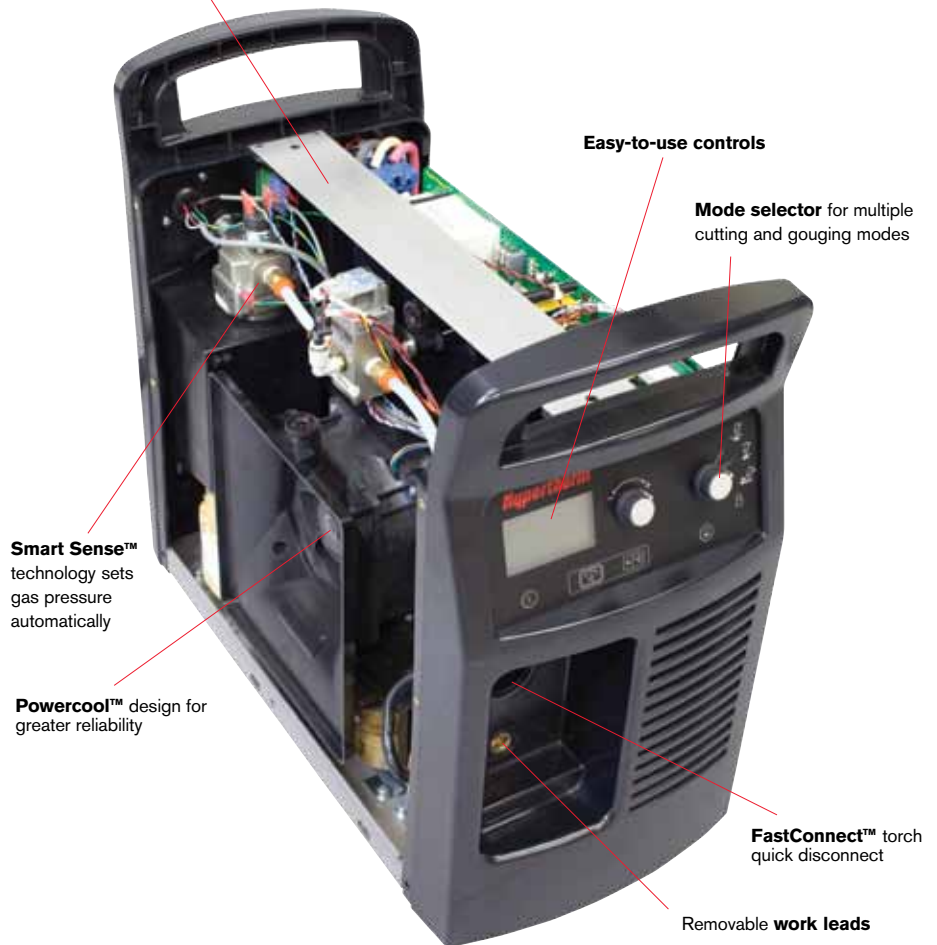
## Which Powermax system is right for you?

|               | Powermax30                                    | Powermax45  | Powermax65   | Powermax85   | Powermax105   |
|---------------|---|---|--|--|---|
| Recommended   | 1/4" (6 mm)                                   | 1/2" (12 mm)  | 3/4" (20 mm)   | 1" (25 mm)   | 1-1/4" (32 mm)  |
| Severance     | 1/2" (12 mm)                                  | 1" (25 mm)  | 1-1/4" (32 mm)   | 1-1/2" (38 mm)   | 2" (50 mm)  |
| Input voltage | CSA 120 - 230 V, 1-PH<br>CE 120 - 230 V, 1-PH | CSA 200 - 240 V, 1-PH<br>CE 230 V, 1-PH, 50-60 Hz<br>CE 400 V, 3-PH, 50-60 Hz | CSA 200 - 480 V, 1-PH<br>200 - 600 V, 3-PH<br>CE 400 V, 3-PH | CSA 200 - 480 V, 1-PH<br>200 - 600 V, 3-PH<br>CE 400 V, 3 PH | CSA 200 - 600 V, 3-PH<br>CE 230 - 400 V, 3-PH<br>CE/CCC 400 V/380 V, 3-PH |
| Duty cycle    | 35 - 50%                                      | 50%   | 50%  | 60%  | 80%   |



Plasma cuts any electrically-conductive metal, even painted or rusty metal, up to 4 times faster than oxyfuel.

Clean side / dirty side design protects electronics



# Hypertherm®

## Cut with confidence®

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