# Hypertherm®

## Duramax™ Robotic Torches

*The industry's only air plasma torches designed specifically for robotic cutting and gouging.* 

## Three torch angles – 180°, 90°, 45° – provide maximum versatility

• Choose the right torch for the application – whether you need to reach inside a part, bevel cut, or even gouge.

#### **Designed for precise positioning**

- Flats, grooves, and dowel sockets on the torch body prevent rotational or horizontal slip.
- Torch positioning marks for easy realignment.

#### Compact size for easier programming

 The 90° torch measures only 20.1 cm (7.9") long and 9.9 cm (3.9") tall, including consumables.

#### Durable torch lead to withstand repetitive motion

- Powermax<sup>®</sup> torch leads are lightweight and flexible to hold up under the torque and repetitive motion of robotic cutting.
- Approximately 7.5 cm (3") bend radius.
- FastConnect<sup>™</sup> torch quick disconnect measures 4.2 cm (1.65") in diameter, making through-arm installations possible on some robots.

#### **Clamp designed for easy integration**

• Optional aluminum clamp has threaded holes and bolt holes for integration with a variety of mounting arms.

#### Mechanical teach tool aids programming

 Optional mechanical teach tool allows you to touch the plate while programming cutting and pierce heights.

Compatible with:	Powermax65	Powermax85	Powermax105
Recommended cut capacity	3/4" (20 mm)	1" (25 mm)	1-1/4" (32 mm)
Pierce capacity with automatic torch height control	5/8" (26 mm)	3/4" (20 mm)	7/8" (22 mm)
Pierce capacity without automatic torch height control	1/2" (12 mm)	5/8" (16 mm)	3/4" (20 mm)



The best-selling Powermax air plasma systems deliver high performance for robotic applications:

- CNC interface with adjustable voltage divider and optional serial communications port
- Optional FineCut<sup>®</sup> consumables for high-quality cuts on thin metal
- Quick-disconnect work lead
- Smart Sense<sup>™</sup> technology to automatically adjust gas pressure
- Hypertherm Certified<sup>™</sup> reliability

### Torch features



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