

# Hypertherm®

## EDGE® Pro Ti

Shape cutting control



### Easy, reliable, integrated, performance

Since 1968, Hypertherm has had a single goal: cut the cost of cutting metal. Hypertherm control solutions have embedded process expertise that supports multiple cutting applications providing reliable performance with easy-to-use software. The EDGE Pro Ti is designed with integrated drives, motors and multiple torch height control interface options for ease of installation and setup. Combined, the hardware and software empower the operator to make the optimal cut, every time, increasing productivity, and profitability.

Hypertherm's proprietary Phoenix™ software is the core operational interface and is common across the entire family of CNCs. The software is designed specifically for the X-Y cutting market. Through years of cutting experience, Hypertherm engineers have learned the critical parameters to achieve superior quality performance on every part.



### Easy to use

- Using the patented CutPro® Wizard, even new operators can be ready to cut production parts in less than five minutes
- LAN/Wireless Network and USB access for part program loading and software updates
- One touch access to supporting documentation including cutting optimization tips, consumable change instructions and diagnostic tools in multiple languages
- Configurable Watch Windows™ enable on-screen real-time monitoring of key process performance parameters while cutting
- Built-in two-station operator's console, with tactile joystick, speedpot, and torch position control for easy operation

### Reliable

- Industrial glass touchscreen utilizing surface acoustic wave technology for superior reliability and consistent operation in harsh cutting environments
- Air cooling to reduce stress on electronic components without dust ingress
- Hypertherm plasma, CNC, and THC manuals are available in multiple languages at the touch of a button. Machine specific user manuals can be added for easy access to critical information
- 2-year factory warranty





### Integrated

- Integrated communications to plasma and torch height control systems for automated and expert control of the cutting process
- Wizards and diagnostic support tools that enable easy job setup, operation and rapid troubleshooting
- Built in servo drives with optional motors and cables, all factory tested to Hypertherm rigorous standards
- Drives rated up to 500W maximum per axis and 1000W system total

### Performance

- Critical plasma, THC and cutting machine parameters can be controlled in the part program using Part Program Support (PPS) for optimal and repeatable cut quality every day, every shift
- Hardware and software designed for a broad range of processes such as oxyfuel, waterjet, and plasma cutting applications
- True Hole® technology with process verification ensures all operator variables are properly set\*
- Rapid Part™ technology for maximum productivity
- Sample arc voltage feature for optimal consumable life.

\* Requires ArcGlide Height control.

### Serviceability

- Remote Help™ quickly enables CNC, plasma system and cutting machine diagnosis and repair over the internet reducing the need for on-site visits
- Ability to conduct HyPerformance® Plasma, and Powermax® plasma diagnostics at the CNC
- Worldwide network of Hypertherm service engineers available as needed to support cutting machine manufacturer service personnel
- Intuitive hardware service kit helps rapidly isolate system errors



## Plasma torch height control options

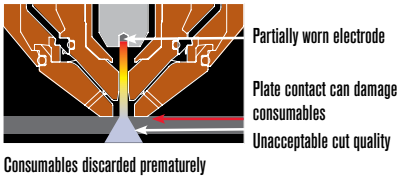
Traditional torch height controls require operators to periodically adjust arc voltage to ensure proper cut height. Using Hypertherm's proprietary techniques, both the Sensor™ Ti and the ArcGlide® THCs continuously sample arc voltage and automatically adjust arc voltage for proper torch height over the life of the consumables without requiring operator input.

### THC features include:

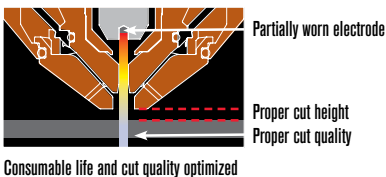
- Minimal operator input
- Sample arc voltage
- Rapid Part technology
- Programmable transfer, pierce, and cut height
- Automated IHS using ohmic contact or stall force
- Part Program Support (PPS)
- Torch breakaway options including collision detection
- Built in diagnostics
- Robust mechanics



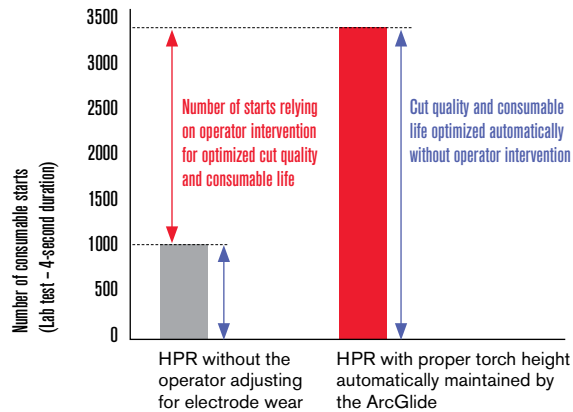
### Improper cut height due to not adjusting arc voltage for electrode wear



### Proper cut height automatically maintained by THC



### Number of consumable starts with < 0,25 mm (0.010") deviation from proper cut height without operator intervention (130 A) 12 mm (1/2") mild steel



For a location near you, visit:  
[www.hypertherm.com](http://www.hypertherm.com)

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One of Hypertherm's long-standing core values is a focus on minimizing our impact on the environment. Doing so is critical to our, and our customers', success. We are always striving to become better environmental stewards; it is a process we care deeply about.



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**Hypertherm®**  
**Cut with confidence®**

