Introducing the EDGE® Connect CNC

Frequently asked questions

What is EDGE Connect?

EDGE Connect is the next generation of Hypertherm's industry leading automated control systems. It includes Hypertherm's 45+ year cutting expertise combined with OEM customizability. Like its predecessor, EDGE Pro, it delivers reliable performance for improved profitability.

What's new with EDGE Connect? What is the CNC software?

Phoenix remains the control software on EDGE Connect, but it is enhanced by customization and configuration software tools exclusive to EDGE Connect. EDGE Connect offers new and improved hardware, EtherCAT communications, new software features (ProNest CNC, Soft Operators Console and Soft PLC), and enhanced order and configuration options.

What are the benefits?

- Superior cutting performance delivered through Hypertherm Phoenix® software and SureCut™ technology
- Optimized machine setup using EtherCAT communications
- Reduced costs and customization via a Soft Operators Console and Soft PLC
- Flexible, expert-level programming via ProNest® CNC
- Improved industrial system hardware
- Simple and modular CNC ordering for point-of-use configuration design and upgrades

What is SureCut technology?

SureCut technology allows customers to maximize performance through embedded expertise. It is brought to you via various delivery mechanisms that include Hypertherm cutting systems, CNCs, and CAM software.

How can the Soft OpCon and SoftPLC features help to reduce cost and provide customization for my cutting table business?

These are software based utilities that provide functionality without the need for additional hardware and labor for wiring and configuration. They integrate seamlessly with Phoenix and enhance what OEMs can offer within their table configurations. Each system ships with basic functionality and developer/ upgrade options will be available for purchase.



EDGE Connect CNC Turnkey with integrated Operators Console.

Why EtherCAT communications?

EtherCAT greatly simplifies the wiring to the CNC and cutting system by offering single cable connectivity between the CNC, the drive cabinet, and the HPR system.

What is ProNest CNC?

ProNest CNC enables end users to get optimal cut quality for part programs created using the EDGE Connect CNC. Through the touch screen interface machine operators can create expert level part programs quickly and easily without training. ProNest embedded cutting expertise is included in every part program, resulting in the same cut quality as you get when programming with offline ProNest software. Each system ships with basic functionality and an advanced upgrade for purchase option will be available.

What are some details of the new hardware?

- Quad core processor and internal Solid State drive
- No active heat dissipation required
- Power consumption reduced by over 70%
- Turnkey units offer a 19" touchscreen
- Weight reduction greater than 65% over previous products
- Sleek industrial design offers improved reliability

How do I order and configure?

Customers select one of three hardware components (Turnkey – OpCon, Turnkey, mini-CNC) and desired EtherCAT cabling. Upon arrival of the CNC the desired cutting process and software options are configured through Hypertherm's Xnet. A password to unlock the features arrives via email.

What are the benefits of this new order and configure approach?

Improved lead time and customization capability. Most products will be stocked in regional distribution centers for immediate shipment. All CNCs can be configured to support any Hypertherm cutting process and can be upgraded in the field without being returned to Hypertherm.

When will EDGE Connect be available for order?

The Hypertherm EDGE Connect will launch in early 2016. We anticipate beginning to take orders shortly thereafter.





EtherCAT offers single cable connectivity.



Phoenix software interface with Soft OpCon motion tab (at right), one of three out of the box consoles available.

Learn more at 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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