

Powermax[®] EtherCAT Interface for EDGE[®] Connect



Optional data communication adapter for Powermax plasma systems and EDGE Connect CNC

Benefits:

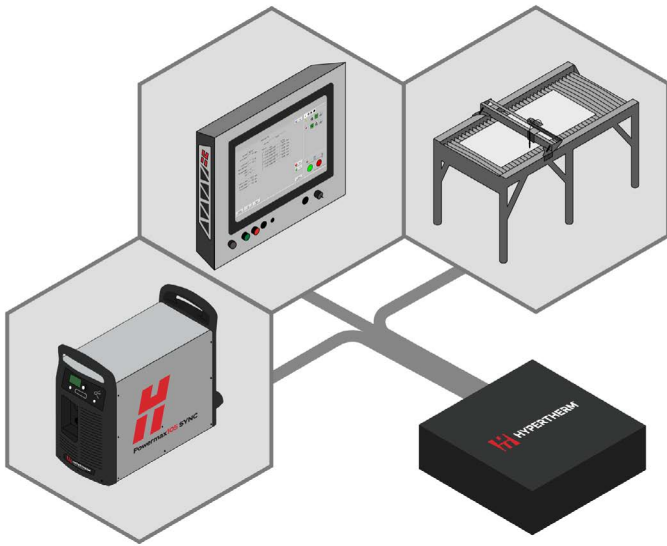
- Faster and simplified machine setup
- Embedded automatic process control
- Alerts to real-time diagnostic information

About Powermax EtherCAT

The Powermax Interface is an all-in-one adapter that connects Powermax plasma systems to the EDGE Connect CNC. Powermax I/O, serial communication, and ohmic contact sensing from the torch are plugged directly into the adapter. A single EtherCAT cable is then connected to the EDGE Connect EtherCAT network. The Powermax Interface can be installed on new or existing Powermax45 XP/65/85/105/125

or Powermax65/85/105 SYNC[®] systems and EDGE Connect CNCs operating on Hypertherm's Phoenix[®] software platform. By simplifying connectivity down to a single device, this Powermax Interface leads to a faster, trouble-free machine setup.

Connected systems increase operator productivity. Embedded process parameters within the EDGE Connect are automatically sent to the Powermax system, eliminating manual job setup steps. The Powermax Interface also delivers real-time diagnostic information, allowing operators to resolve most issues via the Phoenix software, without having to physically return to the power supply.



ALL-IN-ONE ADAPTER

The solution for serial communication discrete I/O, and ohmic contact sensing.

Automatic process control and diagnostic information all controlled by the CNC

Flexible configuration for installation inside the drive cabinet or elsewhere

Advanced communication with Powermax SYNC

The Powermax Interface unlocks the full potential of the EDGE® Connect Phoenix® software when working together with the revolutionary Powermax SYNC® systems. The cutting operation is further simplified by displaying only compatible processes for the installed cartridge. The Powermax SYNC, cartridge, and Phoenix software communicate together to avoid premature damage due to incorrect selections. As a result, optimal cut parameters are applied to the job, producing the best part quality every time.

Also, when used together with Powermax SYNC, the EDGE Connect Phoenix software includes access to Hypertherm cartridge data, providing another layer of information for effective equipment maintenance. Cartridge data includes the number of pilot arc starts, arc transfers, pilot arc time, and arc transfer time, along with the most recent Powermax system error recorded while operating. This utilization data allows the operator to take proactive steps in minimizing equipment downtime.

For new and existing Powermax45 XP/65/85/105/125 systems, the Powermax Interface may be added as an upgrade option. This is an easy, cost-effective enhancement supporting a factory digital transformation.

Flexible connection

The Powermax Interface works with both EDGE Connect TC and EDGE Connect configurations to best align with cutting machine manufacturer needs. The design of the Powermax Interface is flexible to accommodate cabling arrangements for installation inside the drive cabinet or elsewhere on the cutting machine, closer to the Powermax equipment. The Powermax Interface may be mounted vertically or horizontally using provided brackets.

Integrated systems

Improve productivity, reduce operating costs, and increase profitability through system automation. The Powermax Interface seamlessly integrates with Powermax plasma systems and EDGE Connect CNC to deliver better communication. With access to real-time data, operators are empowered to diagnose, analyze, and make incremental process improvements.

For more information visit:
www.hypertherm.com/powermax-ethercat-interface

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