

Panel Fabrication



We are dedicated to building the highest quality panels

NorthWind[®]
Technical Services

Advanced Manufacturing

NorthWind takes great pride in designing and fabricating electrical panels to the highest quality standards. NorthWind utilizes industry recognized control panel design procedures and tools to ensure efficient panel layout, circuit analysis, and code compliance.

We strive to continuously improve our products & processes. In 2017 we added the panel cutting machine and in 2020 we added the wire processing machine. Both of these additions have increased our efficiencies allowing us to deliver quality panels with shorter lead times.

Our 10,000 square foot manufacturing space is climate-controlled, with high bay doors, and loading docks for efficient material handling and transport. This ultra-modern facility is designed for optimal panel fabrication at the highest quality standards.



Certifications

Our UL listed panel shop is certified for UL508A and UL698A. NorthWind also provides cUL and CE compliant panels upon request.

Electrical Design

Our Design Team follows industry recognized control panel design procedures and tools to ensure efficient panel layout, circuit analysis, and code compliance. Our drawing package includes 3D layout, device breakouts, and bill of materials, all included a linked PDF.

Electrical Installation

Our Electrical Installation Team provides installation services for Industrial Manufacturing facilities throughout the U.S. Our Team is knowledgeable of industrial production, control devices, and our electrical drawings, allowing them to provide quick and efficient installations.



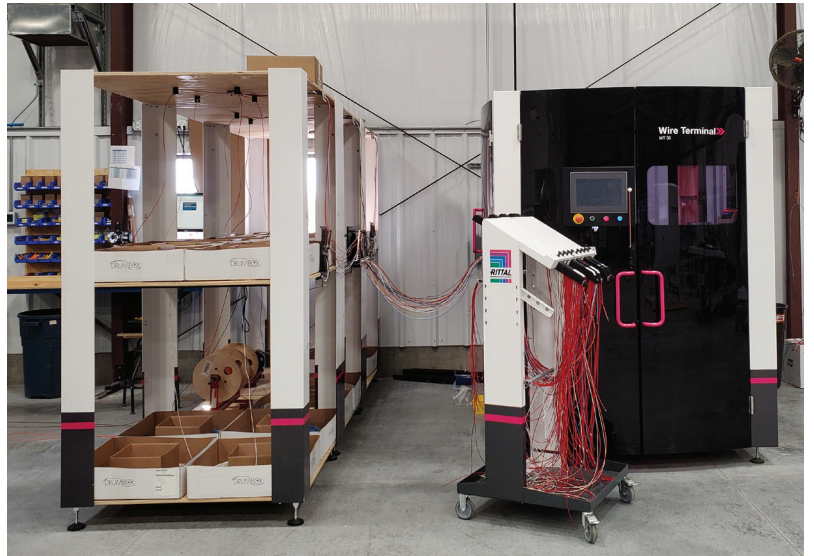
Panel Cutting

Our Panel Cutting & Pre-Drilling machine uses the Electrical Drawings created by our Design Team for precise panel cutouts and all pre-drilling of the back panel.

Implementing this machine into our manufacturing workflow has increased panel quality while reducing fabrication time.

Wiring

The Wire Terminal machine reads the electrical drawings to cut to length, strip, label, and optionally ferrule all wires. The machine organizes the wires for the most efficient component wiring. Panel Technicians then use tablets to quickly walk them through the drawings and wiring process.



Panel Checkout & Testing

After panels are assembled they are moved to the Testing Area. The Quality Assurance Team inspects the panels for correct labeling, point-to-point continuity, torquing all 3 phase to terminal rating, and for panel compliance. The panels are powered up to complete checkout, run factory acceptance tests, and upload programs.

Certification

NorthWind is proud to partner with and is certified by the following organizations



How Can AI Help Your Business?

PlantIQ is a buildable, customizable platform designed to fit your needs. Its modular design allows additional tools like intelligent scheduling, logistics management, and machine learning to be developed for and tailored to your operation.



Thank you for your interest in NorthWind. We are committed to helping our customers improve their process through automation & cutting edge design. For more information please call or visit us on the web at:

www.northwindts.com
785.284.0080