



ACCUTREX PRODUCTS EMPLOYS NIAGARA EXPERTS FOR AUTOMATION CHALLENGE

Niagara helps manufacturer increase production by more than 300%



Niagara Systems Cabinet Washing System for Accutrex

AccuTrex Products, Inc. is an expert fabrication and manufacturing company that specializes in metal control boxes, enclosures, cabinets, and shipping containers. Each AccuTrex metal fabrication product is carefully crafted and custom made into a precise size and shape to fit a specific client's needs. Looking to embrace technology to streamline its

processes, AccuTrex employed Niagara's expert team to automate the way it prepares for powder coating its metal fabrication products.

CHALLENGE

Automating AccuTrex's preparation process for powder coating required a solution that would fit the needs of the various sizes and shapes of the larger cabinets, enclosures, and control boxes. The solution needed to ensure that the products receive full spray coverage of iron-phosphate, which etches the metals to provide a better surface for painting. If all surfaces are not hit, the paint will peel in any missed areas, in turn, effecting the overall quality of the product. When AccuTrex approached other companies, they cringed at the idea of needing to provide such a versatile solution to handle the variety of products. But Niagara was ready to take on the challenge.

SOLUTION

Niagara Systems worked rigorously with the AccuTrex to custom develop a stainless-steel cabinet-style washer to fit its needs. The machine was built with heavy-duty construction in mind, allowing conveying 2,500 lbs. of products in and out of the machine. The use of pop-up nozzles ensured full spray coverage of areas, no matter the shape or size.

RESULTS

Niagara's solution has helped AccuTrex increase production by more than 300%. Prior to the installation of the washer, AccuTrex was preparing about four products per shift. With the introduction of the machine, the company is averaging about 14 products a shift. At one shift for 300 days a year, AccuTrex can produce roughly 4,200 large control boxes, cabinets, and enclosures, 3.5 times the production without sacrificing quality.

CLIENT NAME

AccuTrex Products, Inc.

LOCATION

Canonsburg, Pennsylvania

SERVICES

- Consulting Services
- Custom Design & Engineering
- Manufacturing Services
- Delivery & Installation

SPECIFICATIONS

- Versatile solution
- Quality production
- Even, thorough washing

CLIENT QUOTE

"Niagara was the only company willing to take on this task. They were not afraid to sit down and develop a custom solution for our exact need. We appreciate their efforts working with us and their machine has added extreme value."

– Mark Harrington,
Production Manager, Fabrications
AccuTrex Products, Inc.

