

Custom Combination Rotary Drum/Conveyor Belt Washer



ITS Job Profile

Customer

The customer is a premier parts manufacturer of industrial, commercial and residential parts and components.

Project

The customer needed to replace a wash system that was purchased in 1993. The washer was used to clean a wide variety of part sizes.

Some of the parts were flat and could be processed on a conveyor belt, but some had a more complex shape, so a rotary washer was needed to fully clean those parts. Instead of two washers, ITS manufactured a washer with BOTH a rotary drum AND a conveyor to maximize production and reduce floor space. The three stage washer is capable of washing, rinsing and drying.

"It was a large custom washer that consisted of a combination rotary drum washer and conveyor washer installed side x side. They both used common solution tanks. They were cleaning small parts (such as fasteners) on the rotary drum side and then they were cleaning large parts and baskets on the conveyor side," explains Eric Zills, Sales Manager.

Washer Dimensions:

Overall: 22'-3" long x 10'-6" wide x 12'-9" high

Conveyor: 16' belt processes flat parts

Rotary Drum: 42" diameter, #304 stainless steel with internal auger processes more complex shaped parts.



The washer features both a conveyor and a rotary drum.



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The customer worked with the chemical supply company, Brulin Holding Company (BHC), to determine the best solution to clean the parts. The chemicals needed to remove corrosion inhibitor oil, machining particulate, ambient soils and fingerprints prior to final assembly. BHC recommended AquaVantage® 3800 GD.

BHC Recommended Process:

Chemistry: AquaVantage® 3800 GD

- Effective for a wide variety of manufacturing soils.
- Low foaming for use in spray wash units at higher pressures.
- NPE and phosphate free – disposal restrictions in plant region near large number of fresh water lakes.

Keys to Success

- Process development by ITS engineering, applications and sales teams.
- Part analysis and chemical recommendations by ITS industry partner, BHC.

Results

Through a collaborative effort with the customer, and by utilizing the support and technological expertise of our industry partner, Brulin Holding Company, ITS was able to provide a cleaning system capable of repeatable results that exceeded all project requirements. Contact ITS and BHC to discuss your next washer project.

We look forward to partnering with you.
Contact ITS for a product proposal.
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