

Requirements

A leading cookware manufacturer asked ITS to develop a system that would clean and dry their high end pots and pans using multiple product lanes. The manufacturing process required a polishing/buffing compound and various oils to be removed from the stainless steel pots and pans. Their final cleanliness requirement was that there could be no visible contamination, finger prints or water spots remaining on the parts at the end of the cleaning and drying process. As a final request, all pots and pans needed to be cool enough to handle by hand at machine exit to allow for immediate packaging and shipment.

Solution - TruClean Custom Conveyor Washer & Oven

TruClean 72" wide custom conveyor belt washer and drying oven. It consists of 5 stages (1 wash, 1 rinse, 1 DI rinse, 1 oven, 1 cool-down). This washer is designed and used to provide a final clean, dry and cool down prior to product packaging. It will process 3 rows of pots/pans at a time. Parts are automatically loaded/unloaded to and from the washer via customer supplied conveyor belts.

Results

ITS designed and delivered a hydrogen embrittlement oven that maximized output and reduced labor costs for our customer.

Summary

The Hydrogen Embrittlement Relief Oven is available in either a Batch Oven or Continuous Conveyor configuration. In the continuous process, batched parts travel through the heating chamber in individual bucket carriers so that different type parts remain separated. Pneumatic vibration is incorporated at the off load station to ensure all parts are discharged from the bucket.



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