

TOTE AND BIN CLEANING



Photo provided by Commercial Cleanser, Schiller Park, IL



High-Pressure Systems for Effective Cleaning and Less Water Consumption

The food processing industry faces multiple challenges, including meeting production demands while adhering to stringent quality, sanitation and cleanliness requirements. In addition, there is increased pressure to reduce water consumption, use fewer chemicals, and increase labor efficiencies. High-pressure cleaning systems offer advantages to help producers meet these issues.

The power of directly applied high-pressure water improves cleaning efficiency in many ways. Rotating spray arms direct concentrated pressure and agitation to remove impinged material from belts, conveyors, floors, walls and other surfaces requiring washdown.

With the power of higher-pressure systems, fewer cleaning passes are required, greatly decreasing cleaning time and labor while reducing waste water.

Problem

Previous method of cleaning totes at an international pizza production facility was only capable of cleaning 200 totes during an 8 hour shift. The systems utilized low pressure with high volume for cleaning and could not keep up with demand. Hundreds of totes would then need to be cleaned by hand, which is labor and time intensive. If totes weren't cleaned fast enough production had to be shut down.

Solution

A high pressure cleaning cabinet was developed, which produced 7 gpm at 500 psi. Rotor arms with 15° nozzles were installed above and below area that tote passed through. The high pressure cleaning cabinet is 17 times faster than the low pressure system, and were able to clean 1300 totes in 3 hours.

The Power of higher pressure water works better than traditional high-volume/low-pressure washdown systems. Higher pressures release and remove impinged material from surfaces in less time, improving effectiveness and efficiencies.

Food Industry Applications

Cleaning and Sanitation

For nearly 50 years, Cat Pumps has been providing the longest-lasting and most dependable pumps for high-pressure cleaning and sanitation applications.

- Belt Cleaning
- Equipment Washdown
- Surface Cleaning
- High Pressure Rinse
- Screen Cleaning
- Portable Cleaning Equipment
- Tote Cleaning
- Central Cleaning Systems
- Sanitizing
- Tank Cleaning
- Barrel Cleaning
- Label Removal



Processing

Cat Pumps industrial-grade products are designed for continuous duty applications, keeping your equipment running. From reverse osmosis to tool cleaning, trust Cat Pumps products to get the job done.

- Homogenization
- Metering
- Reverse Osmosis
- Vinegar Production
- Evisceration Tool Cleaning
- Fish Scale Removal
- French Fry Cutting Tool
- Poultry De-Boning
- Margarine Processing
- Liquid CO₂ Lipid Extraction
- Water Based Hydraulics
- Injection
- Crab Cleaning
- Egg Wash
- Liquid CO₂ Freezing



Custom Pumping Systems

Cat Pumps is the industry leader in providing custom-engineered pumping systems to meet a wide range of application needs. The Cat Pumps technical sales team assists with proper component selection, as well as operation and maintenance support.



Contact Cat Pumps for more information at techsupport@catpumps.com or 763-780-5440



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