

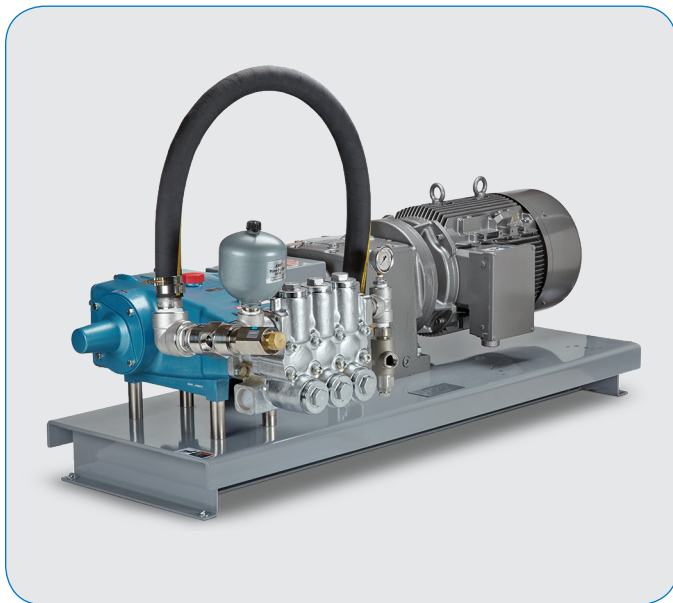
HIGH-PRESSURE BELT CLEANING SYSTEMS



Faster and More Effective Belt Cleaning

Food processing facilities must meet increasing production demands while adhering to stringent quality, sanitation and cleanliness requirements. In addition, there is pressure to reduce water usage, use fewer chemicals and increase labor efficiency. Given these demands, the industry continuously looks for ways to reduce resource consumption while maintaining quality and cleanliness standards.

High-pressure belt cleaning systems keep production lines running by significantly reducing time to clean and sanitize conveyor belts. Spending less time cleaning means more time producing. With less cleaning time, there is significantly lower usage of water, chemical, and labor. These benefits are in addition to greatly improved cleaning effectiveness of the Cat Pumps high-pressure system.



The positive displacement high-pressure pump from Cat Pumps powers the cleaning system. High-pressure cleaning reduces water consumption while improving cleaning effectiveness. Designed for continuous duty industrial use, Cat Pumps produces the most dependable high-pressure water pumps available.



Rotor arm assemblies clean faster and are more effective than fixed nozzles, brushes, squeegees and other cleaning aids. Hydro-driven agitation is maximized with high rpm for the most impacts per second, resulting in superior cleaning in fewer passes.

Customer Success Story

Peanut Processing Plant

The previous method of cleaning the conveyor belt used in the peanut coating process required two full-time employees and 8 hours to complete, even with high-temperature water and chemicals.

The customer installed a belt cleaning system fitted with rotor arms and powered by a Cat Pumps high-pressure pump system.

After installation of the high-pressure belt cleaning system, the customer reported the following results:

- Cleaning time reduced by 88% (8 hours to 1 hour)
- 90% less water consumption
- Significantly reduced chemical usage
- Increased belt life

Before



After

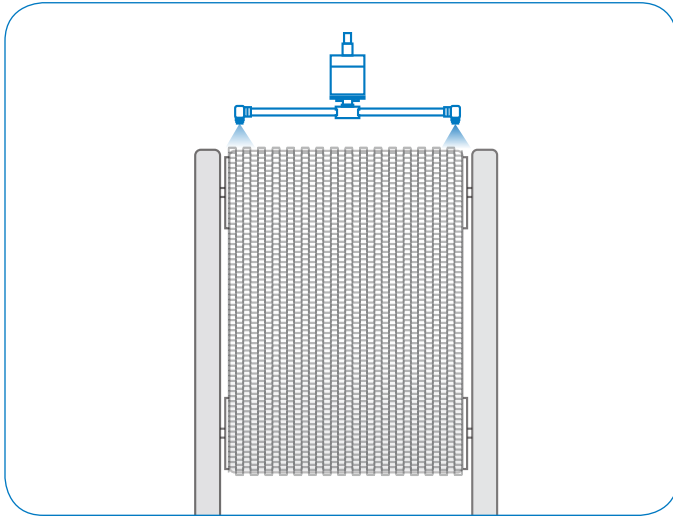


Combining the power and dependability of Cat Pumps high-pressure systems with rotor arms creates a highly effective cleaning system that reduces total resource consumption. This winning combination helps food producers meet cleanliness requirements in less time at a lower cost. Put the power of Cat Pumps to work for you today.

Custom Designed for Best Results

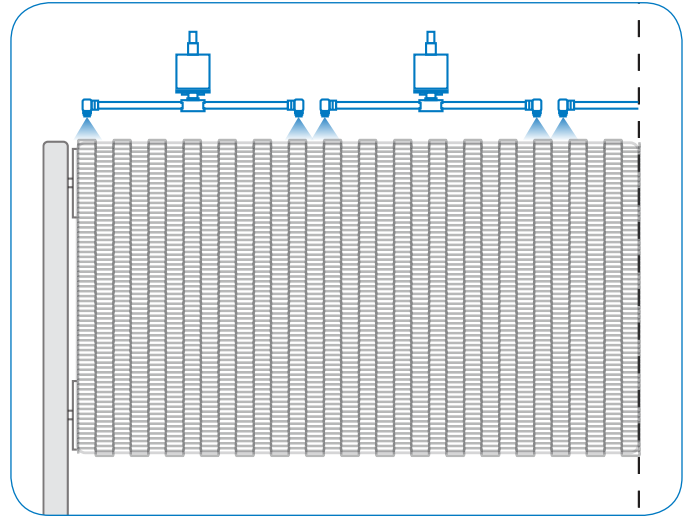
High-pressure belt cleaning systems are available in a wide variety of configurations. From the product being moved (vegetables, raw meat, cooked meat, bakery goods, etc. . .) to different belt types and widths, high-pressure belt cleaning systems are sized to meet your specific requirements.

Belt widths of 4 – 24"



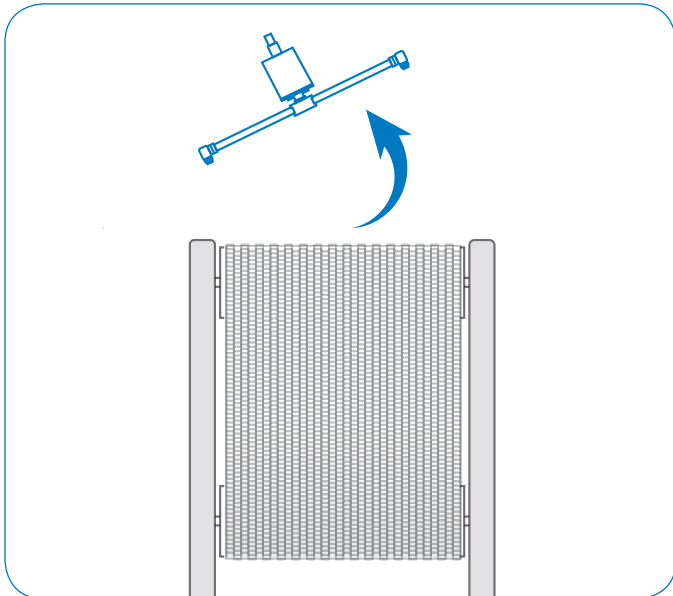
A single spray arm can be used to clean belts that are 4 – 24" in width.

Belt widths of greater than 24"



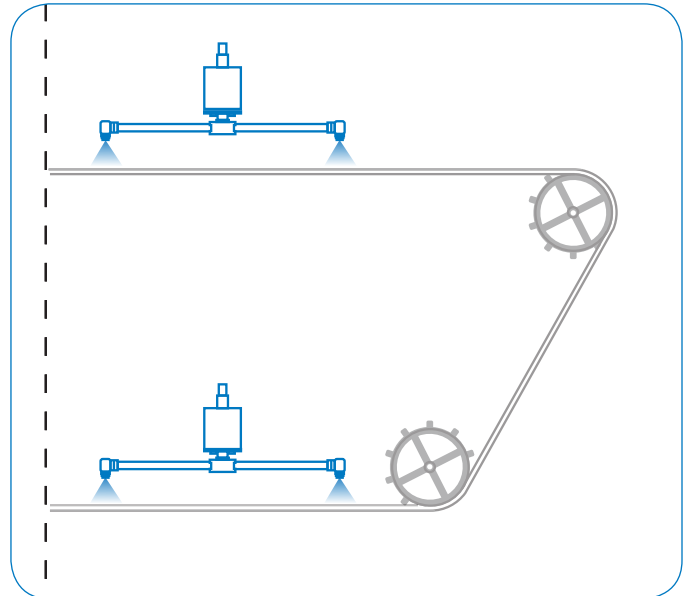
Two or more rotor spray arms can be configured to cover belt widths greater than 24".

Fixed or removable



Spray arm assemblies can be configured to be fixed or removable, depending on whether or not the assembly can stay in place during production.

Production side or bottom side of belt

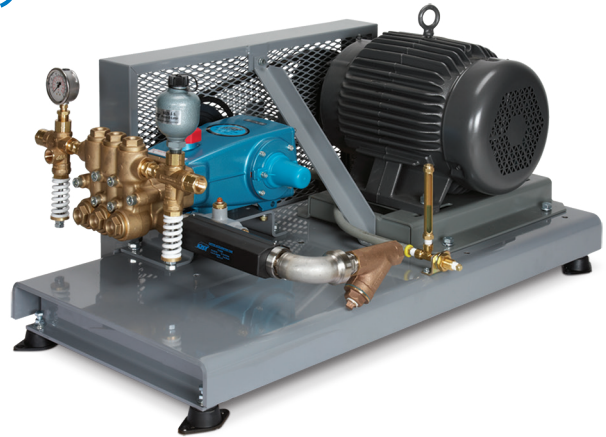


Spray arm assemblies can be mounted above the production side of belt, on the bottom side of belt, or both depending on belt type and cleaning required. Catch basin can be installed to capture product from the belt.

High-Pressure Pump Systems

Cat Pumps is the industry leader in providing custom-engineered pumping systems to meet a wide range of application needs. By selecting Cat Pumps for your next pumping system, you eliminate the expense of designing, multiple source buying, fabrication and testing. The Cat Pumps technical sales team assists with proper component selection, as well as operation and maintenance support.

With thousands of installations running around the world, Cat Pumps is the supplier of choice for custom pumping systems.



System Configuration

With extensive design experience, Cat Pumps can help determine the best configuration for any application. Common options listed below:

Base

System design starts with choosing the base that best fits the application. Numerous base configurations are available to meet space, portability, sound and material demands.

- Standard • Vertically Stacked • Portable • Multiple Pump

Power Source

A qualified technical staff with extensive experience can assist in recommending the correct product for any power source.

- Electric • Gas • Diesel • Hydraulic • Pneumatic

Drive Package

A wide variety of drive packages are available to complement any power source of choice.

- Belt • Direct Drive • Gearbox

Accessories

Choose from hundreds of high-quality genuine Cat Pumps accessories for optimum system performance and life.

- Regulator • Relief / Pop-off Valve • Pressure Gauge
- Pulsation Dampener • Inlet Filter / Strainer • Oil
- Spray Guns • Wands

Advanced Control Options

- Variable Frequency Drives (VFD)
- PID Loop (varies speed of pump to maintain system pressure)
- Multiple Pump Systems

- Low-Pressure Seal Monitors
- Auto Shutdowns (Temperature and Low Inlet Pressure)

Other control options are available upon request.

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



CAT PUMPS

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