CORNELL PUMP COMPANY

APPLICATIONS

FOOD PROCESSING

The 6ST pumps up to 1550 GPM, and reprimes with a lift up to 25 feet. The semi-open two vane impeller pushed the tomato waste effectively, an d heavy duty bearings provide long service life.

TOMATO PLANT RELIES ON SELF-PRIMERS TO MAKE THE SAUCE

Food Processing Company swaps out "unreliable, dangerous, and cumbersome" electrical submersibles for Cornell 6ST.

While displaying Cornell pumps at the Sacramento Food processing show, The Cornell distributor for Central California was approached by the maintenance team from a well-known tomato processing facility in Stockton, California. This plant processes thousands of tomatoes during the harvesting season and rapidly turns them into various table favorites.

As part of the wash segment of processing the delicate fruit, a lot of waste is removed and washed away in what is known as a 'trash wash.' This waste must be removed from the now clean tomatoes and processed. The trash wash contains dirt and pieces of stems, rotten peels, leaves, and so forth gleaned from good tomatoes, along with rotten or bruised fruit.

Because of tomatoes, the processing plant runs around the clock for four months straight. Speed is needed to keep premium freshness and waste. The processing company employed large electric submersibles to clean out the giant wash trays in the trash wash section of the plant. The electrical submersibles were not functioning well.

One of the main complaints was the inability to monitor the electrical submersibles while they were operational. If the pumps weren't working efficiently, that wasn't noticed until the trash wash backed up; delays there impeded the line and imperiled the maximum amount of tomatoes being processed. Ultimately those slowdowns made the plant less profitable than it could have been.

The distributor suggested a self-priming solution from Cornell. With these high-quality pumps, the plant staff can maintain and clean their pumps safely and efficiently. They can immediately tell if there is an issue and have confidence that problems are rare with Cornell. This has helped increase plant efficiency by several percent.

The plant is so impressed with the pumps that they are working with Cornell and the distributor to find other pumps to replace Cornell's solids handling, high volume, and increased head solutions.