

Case Study: Cosmetics

Application

Transfer various cosmetics.

Specifications

Viscosities from 5,000 to 250,000 cps.

Challenge

Pull product from totes, increase output and handle a variety of viscosities and speeds.

Issue

No additional static inlet pressure as well as a variety of product viscosities and speeds.



200K+ Yearly Savings with FDS Twin Screw Pump

A large U.S. cosmetics manufacturer was increasing production for several different product lines, including gels, lotions, and creams. They needed a pump that could provide enough suction to pull these from totes and increase fill rates by 400%. Traditional positive displacement pumps and air-operated diaphragm pumps couldn't do both.

Solution

The processor installed two FDS size 2 pumps each on a cart with variable speed drive to allow them be moved to various locations in the plant and handle different products.

Why It Worked

FDS pumps have a high suction capability and can easily and efficiently handle a wide viscosity ranges. Because the FDS can pump within a wide range of rotational speeds, it allowed the company to speed or slow the pump to accommodate the different viscosities of the cosmetic products, from 5,000-250,000 cps.

The FDS pumps have allowed the customer to meet their production goals - successfully emptying all totes completely and quickly. Based on the exponential increase in production, they will save them a projected \$200K per year in labor alone.

To read the complete story, visit: www.fristam.com/fds-apps

Call Fristam to discuss your application today: 800-841-5001.



FDS Capabilities

FDS Models: 5

Max. Discharge Pressure: 363 psi (25 bar)

Max. Flow Rate: 793 gpm (180 m³/hr)

Max. Viscosity: 1,000,000 cps