



CASE STUDY: REDUCED BOTTLER'S ANNUAL WATER CONSUMPTION BY 675,000 GALLONS

DryExx® Conveyor Lubricant Deployed

CHALLENGE

A large carbonated soft drink bottler was running well with their existing conveyor lubricant technology. This bottler was interested in a new technology from Ecolab that would enable them to convey bottles without using lubricant dilution water.

SOLUTION

Ecolab introduced DryExx®, a revolutionary new, patented chemistry that is applied neat - requiring no lube dilution water. DryExx deployment was led by the local Ecolab account manager and assisted by Ecolab's technical experts. DryExx was dispensed with traditional spray nozzles using patented touch-free application technology, in combination with Ecolab's conveyor management expertise.

RESULTS

Improvements were seen in both lubricity and bottle mobility, leading to operational gains. Removing the media for microbiological growth (lubricant dilution water) meant cleaner nozzles, conveyors, and drip pans. Production workers at the plant enjoyed the dry environment and the safer, water-free floors. The plant saw hard dollar savings in the cost of water, softener, and effluent treatment.

CUSTOMER VALUE ASSESSMENT

- ▲ Before the conversion, Ecolab and its team of professionals assessed the line to develop a plan to optimize application zones and lube nozzle placement.
- ▲ The conversion to DryExx was accomplished with minimal production disruptions and was completed at the beginning of a shift.
- ▲ The plant realized improved productivity and associated "soft" benefits of cleaner and drier lines, allowing for a smoother and safer bottling line environment.

SUSTAINABILITY

Ecolab solutions are designed with a comprehensive approach that can help you conserve resources, improve safety and reduce waste - helping to create a cleaner, healthier, safer environment.

The water cost for the plant per thousand gallons (in/out) was \$6.31. By removing the lubricant dilution water the plant reduced water consumption by 675,000 gallons and saved \$4260 annually. Additional savings on softener treatment and effluent treatment totaled \$970. The total gross hard dollar savings realized by the plant was \$5230 on an annual basis.

