



# CASE STUDY

## Dry Lubricant Solution for Beverage Conveyor

### INTRODUCTION

In a national beverage bottling company's operation, a silicone based conveyor lubricant was applied to conveyors using nozzles on multiple packaging lines throughout their plant.

### CHALLENGE

The challenge was to optimize performance on packaging lines and deliver an accurate amount of dry lube in the precise location of the conveyor using a brush method application.

### GOALS

Convert current dilution system to a direct feed system using a dry lubricant and brush method application (Brushes are used to deliver lubricant to the conveyor.)

### VALUE CREATED

- Reduced water and lubricant usage when converting from a spray nozzle to a brush application
- Improved plant safety by removing the heavy build-up near the conveyor line
- Improved uptime for line by eliminating slip issues on difficult labeling tracks
- Simplified dosing with ready to use formula that does not require dilution
- Highly efficient, durable film coating low product usage
- Dry conveyer surface
- Can be applied to plastic or steel tracks
- Useful for PET, glass, or aluminum cans
- Direct replacement of nozzle systems
- No overspray from nozzles
- Brushes apply product directly on track where it is needed

### SOLUTION & RESULTS

The coefficient of friction (CoF) values were stabilized and improved by adjusting the timers for the whole line. The adjustments were needed because the brushes deliver more efficiently than the nozzles and the lubricant coating was more durable and longer lasting than the incumbent chemistry.

## CONCLUSION

The transition to a dry lube using Dry Glide No. 661 from existing chemistry and converting from nozzles to brushes was successful. Combining superior chemistry with precise delivery at application site. Improved up-time on the bottling line increasing production output.

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