

APPLICATION STORIES

Customer: A large manufacturer of labeling equipment for the food and beverage industry

Industry: Packaging Equipment - Food Processing

SIC Code: 3555

Location: International including Wisconsin

Department:

Retrofit or OEM: OEM

Machinery Involved: Automated label application equipment

Description of Environment: Regular wash downs, contamination, and lack of lubrication are common and troublesome to linear ball bearings in this application.

Description of Problem: Linear ball bearings weren't able to tolerate the wash downs, shock loading, and contamination. Lubrication was also required. Routine bearing failures (every 4-8 weeks) caused too much downtime on these high speed production lines.

Solution: Redesigned the swing arm of the label applicator using a Simplicity metric thinwall bearing. No need for lubrication. Wash down did not affect the bearing. Shock loads were easily tolerated. Smooth, quiet operation has resulted.

Customer Reaction to Solution: Customer is pleased with Simplicity's ability to tolerate the shock loading, the wash downs, and the contamination while providing long trouble free bearing life.

Documented Cost Savings:

Simplicity Part Used: FMT12 Metric Thinwall

Qty of Bearings Used: Hundreds

Date of Installation: 1993

Photos Available: Yes

Illustrations Available:

Application Write Up Available: Yes

