

# 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

