

APPLICATION STORIES

Customer:	A large manufacturer of packaging equipment for the food and beverage industry
Industry:	Packaging Equipment - Food Processing
SIC Code:	3555
Location:	Illinois
Department:	
Retrofit or OEM:	OEM
Machinery Involved:	Automated packaging equipment - baggers
Description of Environment:	Regular wash downs, contamination, resulting from powder escaping from product being bagged (cake mixes, etc.) and lack of lubrication are common and troublesome to linear ball bearings and linear guide ways in this application.
Description of Problem:	Linear ball bearings and guide way systems 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 box upsetter segment of the machine with Simplicity bearings. No need for lubrication. Wash down did not affect the bearing. Shock loads were easily tolerated. Smooth, quiet operation has resulted. PSF flange bearings were used in a different area of this same machine replacing a bronze bushing in a cam actuator. Again, contamination from dirt and dust was causing the bronze bushing to fail.
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:	FL16, PSF flange bearing
Qty of Bearings Used:	Hundreds
Date of Installation:	1994
Photos Available:	No
Illustrations Available:	
Application Write Up Available:	Yes

