

APPLICATION STORIES

Customer:	A Manufacturer of automated part feed systems to the auto industry
Industry:	Feed systems
SIC Code:	3599
Location:	Michigan
Department:	
Retrofit or OEM:	OEM
Machinery Involved:	Shuttle torque converters used to feed parts into a machining center
Description of Environment:	Shock loads, dirt and contamination are prevalent
Description of Problem:	Linear ball bearings weren't rigid enough and couldn't tolerate shock loading.
Solution:	Created a new design using Simplicity bearings in aluminum pillow blocks. Went from using 4 pillow blocks to 3 saving 25%. 2 bearings were placed on a positive rail and only a single bearing on the follower.
Customer Reaction to Solution:	Customer was pleased with Simplicity's ability to tolerate the shock loading, and the contamination while providing rigidity and long life.
Documented Cost Savings:	
Simplicity Part Used:	PN24
Qty of Bearings Used:	6 per system
Date of Installation:	1993
Photos Available:	Yes
Illustrations Available:	
Application Write Up Available:	Yes

