

APPLICATION STORIES

Customer:	A manufacturer of automated pick and place robots specializing in the injection molding industry.
Industry:	Automated Pick and Place Robots
SIC Code:	3559
Location:	New England
Department:	
Retrofit or OEM:	OEM
Machinery Involved:	Pick and Place Robots
Description of Environment:	High temperature, shock loading, high duty cycle, severe dust and dirt contamination. Customer is using tubing for shaft to carry pneumatic and electrical cables.
Description of Problem:	Tremendous duty cycles and high temperatures were causing linear ball bearings to fail catastrophically. The shafting material (tubing) was extremely expensive to replace.
Solution:	Retrofitted the pick and place robots with Simplicity pillow blocks, and bearings. Temperatures, duty cycles, and loads are well within Simplicity's range. The shafting finish was altered to a less expensive coating that was compatible with Simplicity.
Customer Reaction to Solution:	The OEM and the OEM's customers are pleased with the performance of Simplicity bearings and the new shafting. Long reliable bearing life is reducing robot failure and thus reducing the OEM's warranty and service expenses. The end users are realizing increased productivity due to reduced downtime. Simplicity is the preferred linear bearing in this application.
Documented Cost Savings:	
Simplicity Part Used:	FL16, P16
Qty of Bearings Used:	8 / robot
Date of Installation:	1991
Photos Available:	No
Illustrations Available:	No
Application Write Up Available:	Yes

