



## Application Story

# Equipment Manufacturing

### Manufacturer of coolers & ice chests improves linear motion performance

This manufacturing facility boasts a 24-hour continuous operation involving two post hydraulic presses, comprised of 2-inch round shafting. This machinery operates within the foam area of the plant where it experiences severe contamination from over-spray of insulating foam.

The high salt content in the air caused severe corrosion. As a result, bronze bearings and shafts would fail every 6 weeks due to contamination and the subsequent loss of lubrication.

### The PBC Linear solution

Bronze bearings were replaced with DDS 24 Double Flange Mounts, and modified to accept FL 32 bearings.

### Results / ROI

The DDS 24 bearings have been working for two years without incident or downtime. The customer has been pleased with the extended performance of the bearings, and the ability to now produce and ship this seasonal product on time.

#### Product Details

Simplicity Components Used:  
**DDS 24 (Simplicity Round Die Set Double Flange Mount) modified to accept FL 32 bearing**

Quantity of Bearings Used:  
**4 per fixture**

Retrofit or OEM: **Retrofit**

Date of Installation: **1992**

SIC Code: **3949**

Location: **Texas**

Department: **Tooling**

Photos Available: **Yes**

Application Write-up Available: **Yes**