



# Food Production Conveyor

## ➔ SOLUTIONS:

NSK recommended F-UC204/LP99 stainless steel Molded Oil™ bearing inserts to overcome the existing failure modes. NSK bearings were ordered for trial on one production line, and after 12 months there were no reported failures. A complete bearing change across the second line was then implemented by the customer.

## ➔ ACTUAL COST SAVING

**\$91,049.04**

### Cost Saving Description:

- Material Substitution
- Extended Product Life
- Inventory Reduction
- Reduced Maintenance
- Productivity Improvement



### Cost Saving Breakdown (CDN\$):

OLD DESIGN	NSK DESIGN
Regular bearing failures every 4 to 6 weeks on two key process lines – annual bearing costs = \$1,202.15	No bearing failures in 12 months and inventory reduction – cost: \$696.53, saving: \$505.62
Maintenance costs, including re-lubrication, labor, overheads = \$2,148.66/year per line	No re-lubrication needed, reduced labor costs – saving \$2,148.66/year per line
Lost production downtime – \$3,572.52/month per line = \$42,870.24/year per line	No production lost to unplanned downtime – saving \$42,870.24/year per line
Total \$46,221.05 annual cost per line	Total \$696.53, annual cost per line

*Total Cost Saving of \$91,049.04 is based on two production lines switched to NSK solution.*