

Success Story

Industry: Food and Beverage

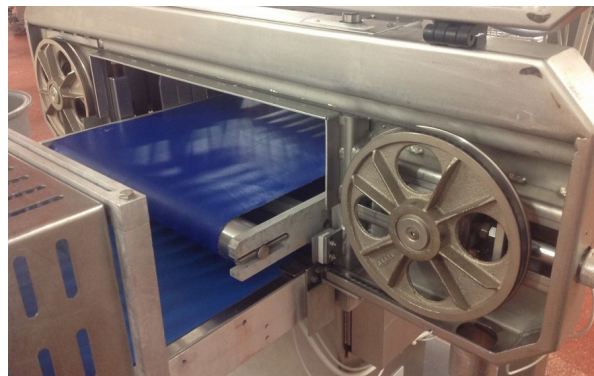
Application: Cutters - Cream Line

Cost Savings: € 9 324

Introduction

Key Facts

- Frequent bearing failure resulting in approximately 40 bearings being replaced annually
- High number of man hours needed to replace failed bearings
- High machine down time leading to costly loss of production
- NSK Solution: Molded-Oil Ball Bearings
- Productivity improvement
- Cost saving realised



↑ Cake Cutter Blade Saw

Value Proposals

- NSK Application Review determined the bearings had failed due to the absence of lubrication and ingress of water and hard particulates
- Having completed the review NSK recommended the use of Molded-Oil ball bearings
- A trial using Molded-Oil Ball Bearings was implemented
- The trial resulted in a substantial increase in bearing life and reduction of machine down time

Product Features

- Molded-Oil provides continuous supply of lubrication oil
- Grease-free property with no oil refilling keeps operating environments clean
- Operating life more than twice as long as grease lubrication, in water or dustcontaminated environments
- Contact-seal type available in standard inventory for ball bearings
- Achieves extended maintenance-free performance as Molded-Oil provides a continuous supply of lubricant; available for high speed applications
- Available in Ball Bearing, Spherical Roller Bearing and Tapered Roller Bearings types
- Stainless steel for corrosive environments



↑ NSK Molded-Oil Bearings

Cost Saving Breakdown

Before	Cost p.a.	NSK Solution	Cost p.a.
 Bearing costs	€ 515	Costs for NSK bearings with Molded-Oil	€ 532
 Labour costs	€ 1.013	No labour costs	€ 0
 Lost man hours	€ 5.054	No lost manpower costs	€ 0
 Blade & shaft replacement	€ 3.321	Blade & shaft replacement	€ 47
Total Costs	€ 9 903		€ 579