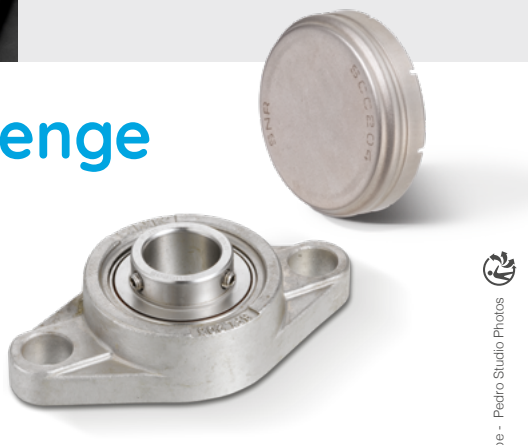
SUCCESS STORY
Snack conveyors

SENTINEL™ SERIES



Context of the customer's challenge

Area: USA

Market: Food & beverage

Application: Snack food conveyor line

A major supplier of snack foods was experiencing bearing failures every 3 months on a pair of its conveyor lines. The regular bearing failures resulted in over 11,000€ in lost production each year. NTN's engineering and sales support team performed a comprehensive evaluation of the conveyors and determined they were experiencing premature bearing failure due to grease washout as a result of rigorous washdown cycles during peak season production.

NTN solution

NTN's team recommended that the bearings being used in the production line be replaced with our SENTINEL™ series mounted units. NTN SENTINEL™ series features corrosion-resistant stainless steel ball bearings with seals and NSF H1 registered solid lubricant. The solid lubrication provides up to **21 times better** washout resistance than standard grease and eliminates the need for relubrication. Additionally, the seals provide improved protection against water ingress when compared to standard deep groove ball bearings, which is critical to extending the life of equipment exposed to moisture. Furthermore, our SENTINEL™ series line of mounted units are end cap capable, providing an additional layer of security.

Results

- NTN's SENTINEL™ series helps snack conveyors of this company run **4 time longer**
- The NTN solution outlasted all of the season's production spikes and remained in operation for over one year; **a 300% increase in uptime!**
- The increased uptime, reduced maintenance, and decrease in bearing spend resulted in 12,544€ in documented savings for the customer

VALUE ADDED BREAKDOWN

UPTIME IMPROVEMENT
8,640€

REDUCED ACQUISITION COST
2,704€

MAINTENANCE REDUCTION
1,200€

ANNUALIZED COST SAVINGS
12,544€

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NTN Europe - 1 rue des Usines - 74000 Annecy
RCS ANNECY B 325 821 072 - Code APE 2815Z - Code NACE 28.15
www.ntn-europe.com

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