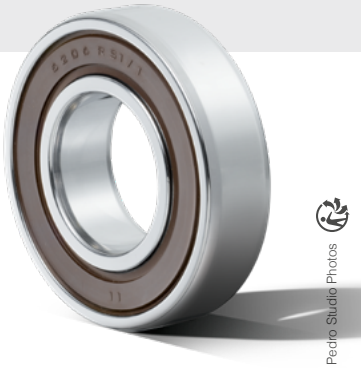
SUCCESS STORY
Pasta production line

SENTINEL™ SERIES



Context of the customer's challenge

Area: USA

Market: Food & Beverage

Application: Dough mixer

A producer of frozen, precooked, and dried pasta products was experiencing weekly bearing failures on its dough mixer due to the frequent washdowns required in the production area. The recurring failures were resulting in over 5,500€ in lost production each week.

NTN's engineering and sales support team performed a thorough evaluation of the mixer and determined the failures were being caused by grease washout that occurred during the regular equipment washdowns.

NTN solution

NTN's team recommended that the bearings being used in the mixer be replaced with our SENTINEL™ Series ball bearings. Our 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 the seals provide improved protection over standard deep groove ball bearings, which is critical to extending the life of equipment exposed to moisture.

Results

The NTN solution lasted over six months, **cutting yearly bearing failures by 2,300%.** The increased uptime, reduced maintenance, and decrease in bearing spend resulted in 202,910€ on annualized savings for the customer.

VALUE ADDED BREAKDOWN

UPTIME IMPROVEMENT
175,000€

REDUCED ACQUISITION COST
16,240€

MAINTENANCE REDUCTION
11,670€

ANNUALIZED COST SAVINGS
202,910€

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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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