

Success Story

Industry: Automotive Production

Application: Wire Manufacturing Machine

Cost Savings: 9.840 Euro

Introduction

Key Facts

- Wire manufacturing machine for tyres
- Restart of machine after retrofit
- Unexplained noise during testing
- NSK Solution: Technical design support with detailed report and recommendations
- The original bearing design was not appropriate for the machine
- New design of the bearing mounting gaining time when restarting the machine
- Significant costs savings on maintenance



↑ Wire Manufacturing Machine

Value Proposals

- The NSK engineer conducted a full analysis and detailed report on the application
- The results revealed that the original bearing mounting design was not appropriate to the machine
- NSK proposed a new and more simple bearing mounting design
- No issue was detected after trials with the new design
- Mounting of bearings was reliable and quick

Product Features

- Bearing condition assessment
- Selection of optimum bearing design
- Lifetime calculations
- Set-up recommendations
- Review of machine design
- Recommended improvements for increased bearing performance
- Drawings and data for housing and shaft fits
- Technical report



↑ AIP - Added Value Programme

Cost Saving Breakdown

Before	Cost p.a.	NSK Solution	Cost p.a.
	€ 0	AIP - Analysis and report	€ 2.800
 Bearing mounting costs	€ 12.800	Standardisation of bearing solution Reliability of bearing mounting	
		Bearing mounting costs	€ 160
Total Costs	€ 12.800		€ 2.960