

# DIAMOND® CHAINS RELIEVE BOTTLENECK FOR PERSONAL CARE PRODUCT MANUFACTURER

## CHALLENGE ▼

A European manufacturer of home and personal care products with over 80 years of history faced a critical bottleneck in its production and palletizing area. With five output lines running 24/7, the factory relied on the most critical chain—10B-2 in varying lengths. Despite testing multiple brands, the chains suffered from premature elongation, leading to frequent maintenance stops and replacements. Unused chain sections and excessive connecting links added to inefficiencies and costs.

## SOLUTION ▼

The company adopted Diamond® British Standard chain with an oval contour for reduced friction and wear. Supplied in 50-meter reels which could be cut-to-length, this solution helped eliminate unused chain sections and minimized connecting links. The Diamond chain demonstrated superior durability and reliability, transforming maintenance routines and line efficiency.

## RESULTS THAT MATTER ▼

Prior to implementation, the factory replaced the entire chain every three months, incurring annual costs of €31,610 for chains and €148,800 for labor, production loss, and waste—totaling €180,410. After switching to Diamond chain, annual costs dropped to €55,950 (€18,750 for chains and €37,200 for a single replacement). This resulted in first-year savings of €124,460. Diamond chain has since become the official supplier at the plant, setting a new standard for efficiency and cost-effectiveness.



	Competitor's Chain	Diamond Chain	Annual Savings
Chain Costs	€31,610	€18,750	€12,860
Labor Costs	€148,800	€37,200	€111,600
Replacements/Year	4X	1X	
Total Realized Annual Savings			€124,460