

DIAMOND® CHAIN DELIVERS UNMATCHED RELIABILITY FOR WORLD-LEADING CEREAL MANUFACTURER

CHALLENGE ▼

A cereal manufacturer faced constant setbacks in their packaging area due to frequent breakdowns of the competitor's chain on their roller conveyors. The conveyors' movement broke or deformed the chain pins, leading to broken sliding rails.

Despite experimenting with various brands of chains, failures persisted, causing significant downtime. Each chain replacement took about eight hours and resulted in considerable productivity losses.

SOLUTION ▼

Seeking a more reliable solution, engineering experts reviewed the application and recommended Diamond® 100-1 carbon steel chain with D1 attachments. The manufacturer was unfamiliar with this product line, but they knew and trusted The Timken Company, who acquired the Diamond chain portfolio. Hoping for a breakthrough, they purchased and tested 165 feet of the chain.

RESULTS THAT MATTER ▼

The manufacturer saw a remarkable improvement within three months of installing Diamond chain. Unlike competitors' chains, which often exhibited wear within 24 hours, this quality chain showed no signs of damage. This improved reliability led to sizable labor and production savings.

With the production line operating at a high output rate and each unit representing considerable value, avoiding the typical eight hours of downtime per failure became an important advantage. Additionally, the labor costs for maintenance support further highlighted the savings from reduced maintenance.

**ESTIMATED
LABOR
COST** + **ESTIMATED
DOWNTIME
COST** = **ESTIMATED
TOTAL SAVINGS
OF OVER \$400,000**

