

# CASE STUDY

New Custom Skirting Solution Generates Significant Improvement in Performance For the Client



## ABOUT US

"For over ten years, we've been developing custom solutions for enterprises of all sizes.

Our mission is to manufacture premium quality, innovative, and market-leading conveyor and polyurethane solutions."

### GRAHAM HOLFORD

General Manager



## OBJECTIVES

The client identified four major issues they were currently facing. Due to the apparent inadequate belt support under the loading zone and old skirting system, their brand-new conveyor belt was experiencing significant damage. Thirdly, excessive material spillage at the transfer zone. Lastly, unnecessary hazardous (fire risk) carry-back.

## SOLUTIONS

To resolve the client's critical concerns, our in-house design team customised an impact bed and skirting system to suit the client's conveyor. Our service team installed the new retractable roller impact bed and skirting system. Additionally, replacement of the existing primary cleaner with polyurethane mono arm tips and a spring tensioner arrangement – to reduce excessive carry-back. After successfully installing these components, the belt operation was optimised – with support throughout the entire transfer zone.

The client has since notified us "belt tracking performance has significantly improved" and remarked, "the new polyurethane tips had resulted in a significant reduction in carry-back, and in conjunction with the new skirt system, spillage has been controlled.

## Overview

### Client Challenges

- Insufficient belt support.
- Damage of new belt.
- Material spillage.
- Excessive carry-back of hazardous material.

### Benefits

- Custom skirting system design and installation.
- Constant seal of skirting material minimises product spillage/leakage and carry-back.
- Minimises shock loading to conveyor structure. Improves belt life.
- Reduces belt drag, increasing efficiency.
- Improved belt tracking performance
- Increases longevity.
- Ease of replacement/maintenance.
- Reduction in manual handling.
- Minimises clean-up around the conveyor loading area.

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