





1. Carry-back can cause serious operational and safety issues,

Common causes include:

• Ineffective or worn belt cleaners Sticky, high-moisture materials

source of fugitive material.

Poorly designed or installed belt cleaning systems.

such as environmental hazards, slip risks, material loss, and premature wear of conveyor components.



1. Carry-back **Build-Up** 

**Performance** 

**Monitoring** 

2. We provide a specialised carry-back testing service. Our testing accurately measures material adhesion and evaluates its impact on conveyor belt efficiency and performance.

2. Testing Begins

3. Reporting

3. Our experienced service technicians deliver a detailed report within one week of testing,

clear, actionable recommendations. The report includes insights such as:

- Material type, size, and moisture content
- Throughput (TPH)
- Belt and splice specs
- Carryback rate (kg/h and kg/yr), including both wet and dry totals
- Performance of current belt cleaners
- Trends of carry-back bypassing the belt cleaning system.

4. Based on carry-back analysis, we recommend targeted solutions to reduce or eliminate material build-up, including:

- Optimise belt cleaner performance through scheduled
- Water integration for improved cleaning and lubrication
- Monitor carryback via scheduled testing
- Install advanced belt cleaning technology
- Upgrade or modify system components
- Perform scheduled adjustments/refurbishments.

## **Operational Gains**

Utilising our carry-back testing and solutions delivers measurable benefits, including:

- Improved workplace safety
- Lower maintenance frequency and optimised maintenance planning
- Increased operational efficiency and productivity
- Extended conveyor belt lifespan
- Reduced environmental impact
- Minimise airborne dust
- Cost-effective operations through targeted interventions
- Enhanced performance with water integration.

## **Testing Options**

**Temporary** Setup

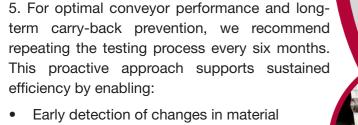
- Single-use setup for one-off testing
- One-time setup and testing cost

Permanent Setup

- Long-term
- solution with ongoing monitoring
- One-time setup cost plus ongoing test

Most testing setups can be completed in 30 minutes, subject to site conditions.





- behaviour or system performance
- Timely adjustments to cleaning systems and maintenance schedules
- Improved efficiency, safety, and costeffectiveness across operations
- Data-driven decision making through ongoing performance trends.



4. Solutions





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