



**MARTIN ENGINEERING:** Established in 1994, Martin Engineering is the leading international developer, manufacturer and supplier of innovations to make the handling of bulk materials cleaner, safer and more productive. Martin offers technologies that boost flow, reduce dust and spillage, extend component life and reduce downtime, resulting in improved operating environments and increase profitability.

**TOTAL SOLUTION** IS PERSONALIZED TO MATCH YOUR CONVEYOR, YOUR MATERIAL AND YOUR PROCESS REQUIREMENTS.

Martin can provide the assistance you require to determine the best course for your operation. Through a detailed review of your operation we can analyze system problems and performance. Our proposals match your requirements, your wishes and your budget.

Martin Engineering offers comprehensive assistance in determining how best to improve your bulk materials handling. From "outside-of-the-box" components that retrofit and upgrade existing systems, to innovative technologies custom-engineered to match your requirements, Martin has the full spectrum of answers to improve conveyor performance.

**MARTIN'S DUST COLLECTION SYSTEM**  
Air filtration—the passing of dust-carrying air through some form of filtration or separation system—is the final piece in the dust-management system.

There are both active and passive dust collection systems.

(1a) Active: Martin® Air Cleaner Filters dust-bearing air at transfer point without the ductwork or large fans of centrifugal "baghouse" systems.

(1b) Passive: Martin® Dust Bag, A Passive Filtration System Controls dust without power, self cleans by collapsing when air flow stops.

**PROVIDE AN EFFECTIVE, LOW- MAINTENANCE SEALING SYSTEM**

(2a) Install multiple-barrier Martin® ApronSeal™ Skirting systems to keep cargo away from the belt edge and keep stray particles on the conveyor.

(2b) Use Martin® Self-Adjusting Skirting HD to provide an effective seal without maintenance.

**PROTECT THE SEALING SYSTEM**

(3) Shield sealing strips from the pressure of the load with Martin® Wear Liner or EVO® External Wear Liner.

**CONTROL SPILLAGE**

(4) Absorb impact with Martin® Impact Cradles.

(5) Stabilize belt path with Martin® Idler conversion kit.

**IMPROVING YOUR OPERATION WITH MARTIN'S BELT CONVEYING TECHNOLOGIES**

Achieve Regulatory Standards    Preserve Belt Life  
Prevent Airborne Dust            Preserve Material Integrity  
Prevent Spillage                    Minimize Operating Expense  
Reduce Maintenance              May Cancel Costly Upgrades

**CONTROL AIR SPEED AND DUST WITH LARGER PLENUM**

(6) Stilling Zone  
Martin® Modular Chute Wall System Material load is fully contained, no spillage, no escaping dust, 1-meter sections allow for modular installation and permit later extension of conveyor.  
Martin® Dust Curtains Curtains form a barrier, slowing air flow and allowing dust to settle back into cargo.

**IMPROVE SEALING AT ENTRY**

(7) Prevent material rollback with Martin® Tail Sealing Box.

(8) Martin® Tail Protection Plows

**CONTROL BELT SWAY**

(10) Martin® Belt Tracking Systems Belt Tracking must be controlled before the spillage can be eliminated. Control belt sway using Martin® belt trackers for carrying and return side.

**PREVENT CARRYBACK**

(11) Martin® Belt Cleaners Martin belt cleaner blades come in a large array of shapes, sizes and materials to most effectively remove any type of material carryback while protecting the belt and its splices.

**PREVENT BULDDUPS IMPROVE MATERIAL FLOW**

(12a) Martin® Air Cannons Supply a quiet but powerful eruption of compressed air that dislodges bulddups and enhances the flow of bulk materials.

(12b) The Martin® Vibrating Dribble Chute uses an electric vibrator and a low adhesion plastic liner to keep material from clogging chutes and burying belt cleaners.

**IMPROVE SAFETY**

(13) Martin® Guarding In order to better protect personnel from coming in contact with moving conveyor components, the trend is to install barrier guards.

**ENGINEERED FLOW SPOON**

(9) "Spoon" Loading Chute Places material on the receiving belt at proper speed and direction, to reduce impact, turbulence, belt abrasion and expelled air.

## AREA OF BUSINESS:

### Conveyor Products



Belt Cleaner

V-Plows /Diagonal Plows

Transfer Point Solutions

Dust Management

Conveyor Safety

Solutions

### Flow Aids



Air Cannons

SMART™ Series

Nozzles

Sonic Homs

### Vibration Solutions



Electric

Pneumatic

### Service & Training



Installation Programmes

Annual Maintenance

Contracts

Conveyor Audits

Foundations™ Training

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## PROAID

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