

MARTIN®

Air-Supported Conveyor System

*Solve the problems of conventional belt conveyors with the **MARTIN® Air-Supported Conveyor System**. This unique system replaces rolling idlers with a layer of air released in a trough below the loaded conveyor belts. Air support reduces friction, power consumption, maintenance costs, fugitive material and other troublesome conveyor problems.*

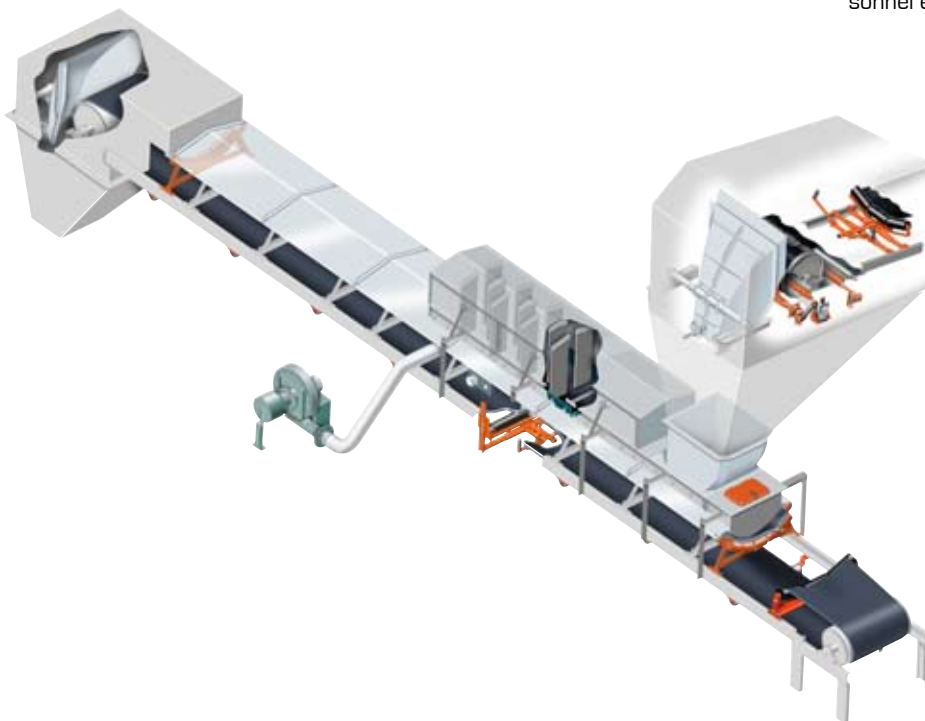


APPLICATIONS

- **A Proven Technology**
MARTIN® Air-Supported Conveyor System is employed around the world in applications on a variety of materials including crushed coal, cement/clinker, precious metals mining, wood chips and grain.
- **Retrofits Existing Conveyors**
Modular system allows replacement of sections of existing conveyors. Patented design fits CEMA standard conveyor construction.
- **Benefits for New Conveyor Systems**
On new construction, air-supported conveyors are engineered to suit the requirements of the project. Benefits include longer spans and higher inclines than conventional conveyor systems.

BENEFITS

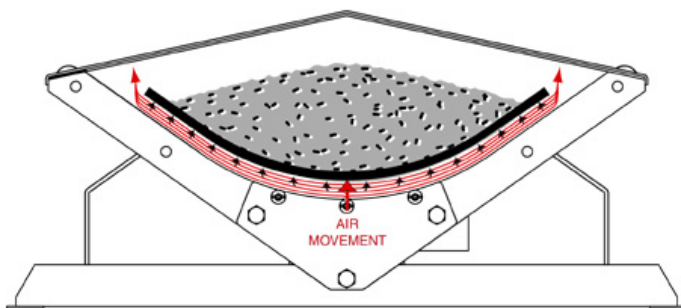
- **No Idlers, Low Maintenance**
Air-supported system eliminates maintenance headaches like idler lubrication and belt alignment.
- **Low Air Use, Reduced Drive Power**
No compressor required. Up to 600 feet (180 m) of conveyor are supported by a single low-power centrifugal fan. Low system friction can reduce overall drive power requirement as much as 30% on a horizontal conveyor.
- **Prevents Fugitive Material**
Fully-enclosed system prevents escape of dust. Stable belt path in trough eliminates “roller coaster” ride for material that leads to dust and spillage.
- **Improved Conveyor Safety**
System eliminates idlers and pinch points; reduces friction, sparks and heat. Low maintenance requirement reduces personnel exposure to moving parts.
- **Systems to Meet Your Needs**
Engineered to meet your needs, the flexible system allows for incorporation of vertical curves, belt scales, fire suppression systems and other requirements.
- **Guaranteed Performance**
Systems engineered and installed by Martin Engineering are covered by Martin Engineering’s *Absolutely, Positively, No Excuses* Guarantee.



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SYSTEM SPECIFICATIONS

Trough Angle	35°
Belt Widths	12 to 72 inches (300 to 1800 mm)
Length	Up to 600 ft (180 m) from a single fan; Multiple fans allow unlimited length, including overland conveyors.
Fan Size	3 to 15 HP (2.2 to 11kW) depending on length and width
Load Capacity	200 lbs per square foot (976 kg/m ²) of belt
Return Side	Can use air support or conventional return rollers
Requirements	Vulcanized belt splice. Minimal loading impact (use "spoon" loading chute)



NOTES

For more information, see Martin Engineering's Belt Conveying Technologies brochure (Form L3616), or see your Martin Engineering representative.



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QUALITY MANAGEMENT SYSTEM
CERTIFIED BY DNV
=== ISO 9001:2008 ===