

Air Cushion Conveyor System for Material Handling

This air cushion conveyor system is engineered for efficient and gentle material handling. It uses air pressure to create a cushion, allowing materials to move with minimal friction, which reduces wear and ensures smooth operation.



Product Overview

High-Efficiency Air Cushion Conveyor

The air-cushion belt conveyor is designed for high-capacity material handling, utilizing a thin film air cushion to replace traditional rollers. This innovative approach significantly reduces frictional resistance and belt wear, making it an ideal solution for industries such as grain terminals, mining, and food processing. Its fully-enclosed, low-noise structure minimizes dust and environmental impact while ensuring reliable operation.

Technical Features

Safety & Monitoring

- Inspection door
- Observation window
- Dust-collection exhaust inlet
- Speed detection
- Misalignment detection
- Anti-blockage system
- Scram detection

Chamber Configuration

Single Chamber, Double Chamber

Operational Benefits

Key Performance Metrics

1 Low

Structure Weight

1 Reduced

Frictional Resistance

Maintenance Design

Self-cleaning feed recycle • Fully-enclosed • Low noise

Applications

Suitable Industries

- Food workshops
- Grain terminals
- Sea ports depots
- Mining
- Coal industry
- Chemical industry
- Steel industry