



The Belt Conveyor™ Fully enclosed Air Supported Belt Conveyor Technology

BRUKS Siwertell introduces a new innovative enclosed conveyor design called The Belt Conveyor,™ a system composed of a standard belt supported on a bed of pressurized air over a formed steel trough. This new design eliminates idlers and all the maintenance issues associated with the traditional conveyor design. Most importantly, this innovative design eliminates the safety and environmental issues caused by dust and mitigates house keeping that is commonly generated by other conveyor designs.

The Belt Conveyor™ is a simple cradle system that supports the formed carrying trough and covers. A central air manifold provides the air pressure to suspend the belt. The basic components include

the head unit, tail unit, and the required number of intermediate sections. The intermediate sections are composed of four main elements - the trough, manifold, saddle support, and covers. The only rotating elements are the head and tail pulleys. The conveyor is also equipped with a fully enclosed cover and integrated air slide return that provides for a dust-free system that substantially mitigates house keeping.

For quick and easy installation, the Conveyor is manufactured in standard modular sections. Complete erection cost for The Belt Conveyor™ is less than conventional idler conveyors.

Visit www.thebeltconveyor.com for more information



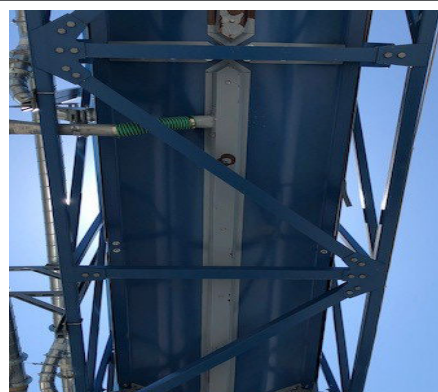
Fully Enclosed Discharge Sections



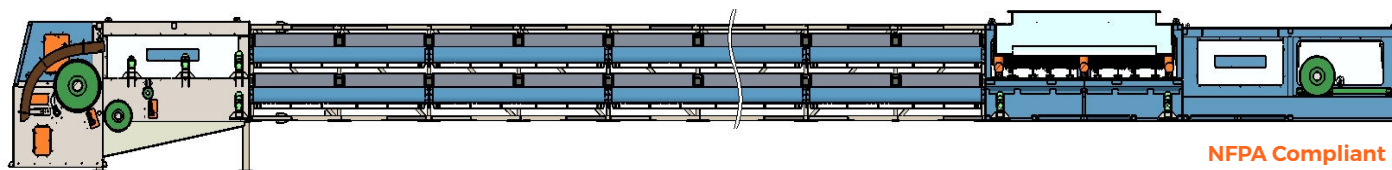
Fully Enclosed Covers



Air Supply Ducting



Air Manifold



NFPA Compliant
OCHA Compliant

KEY FEATURES

ENVIRONMENTAL

- Low noise
- Control dust
- No spillage
- Reduced rain contamination

OPERATING ADVANTAGES

- Handles all bulk Materials
- No belt alignment
- Higher allowable belt speeds
- Fully enclosed
- Steeper conveying angles

SAFETY ADVANTAGES

- No nip points
- Moving belts totally enclosed
- No rollers means no access required
- No rollers means reduced fire danger

MAINTENANCE ADVANTAGES

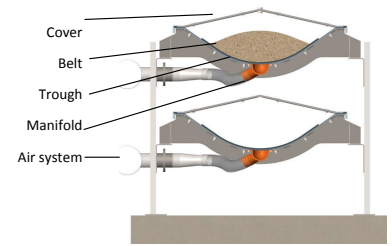
- No walkway needed, but can be supplied as an option
- No belt sag
- No idlers
- No pull cord switches
- No lights along length of conveyor
- Reduced belt damage

INSTALLATION ADVANTAGES

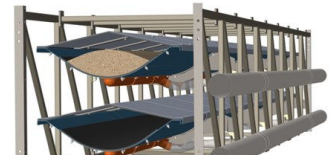
- Modular design
- No belt training
- Long spans up to 250 ft
- Less number of support bents
- Reduced foundation loads

OPERATING COST ADVANTAGES

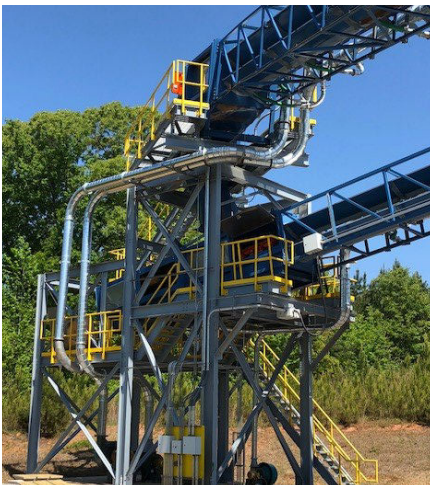
- No roller means reduced friction, reduced parts replacement, reduced house cleaning
- Reduced foundation loads



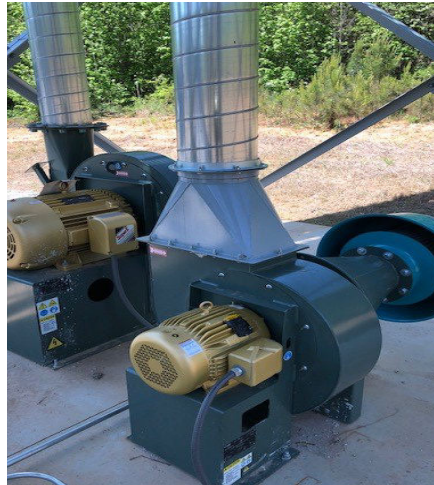
No Wear Parts



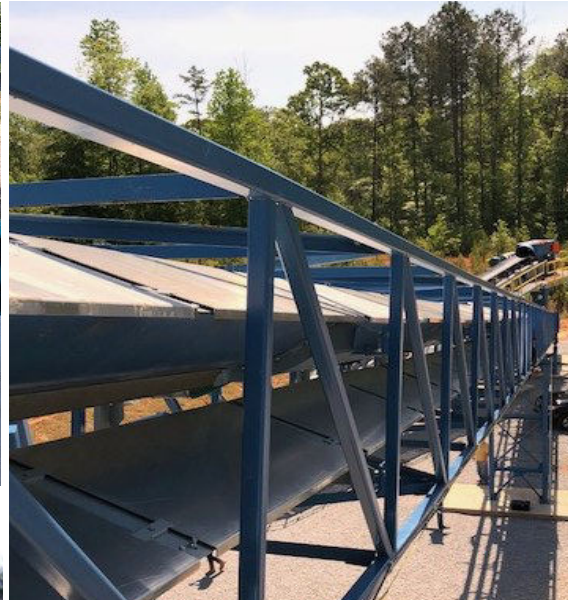
Fully Enclosed



Fully Enclosed infeed Sections



Low Pressure Blower



Truss Support



The Belt Conveyor Test Facility

Defining the future of Belt Conveyors



BRUKS SIWERTELL

BRUKS SIWERTELL is a world-leading supplier with true global market coverage in dry bulk handling including Bulk Storage, Port Terminals, Conveyor Technology and Wood Processing. BRUKS SIWERTELL has a portfolio that includes products for bulk handling as well as a proven capability to execute large turn-key projects. BRUKS SIWERTELL offers a large portfolio of standardized products that can be customized according to individual bulk operating requirements. BRUKS SIWERTELL provides specialized customer solutions, including the development of custom machines and systems.



Bulk Storage Technology



Conveyor Technology



Port Terminal Technology

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