Orthman CONVEYING SYSTEMS

DESIGNED & BUILT IN CLEBURNE, TX • IN-HOUSE ENGINEERING & FABRICATION

ENGINEERED FOR RELIABILITY. BUILT TO PERFORM.

Shaftless Screw Conveyors

Engineered to convey sticky, stringy, and difficult to handle materials.

DESIGNED FOR PERFORMANCE AND FLEXIBILITY

Orthman Shaftless Screw Conveyors are engineered for materials that can be difficult to handle with traditional shafted screw conveyors. The heavy-duty shaftless screw provides an open conveying path that is well suited for sticky, stringy, high-moisture, irregular, and difficult-to-flow materials with sizes ranging from 6" to 24" in diameter.

Unlike a traditional screw conveyor, the shaftless design eliminates the center pipe and intermediate hanger bearings. The screw rides directly on a replaceable trough liner, reducing areas where material can accumulate, bridge, or wrap around internal components.

- **Heavy-Duty Construction**
  Built for demanding, continuous service.
- **No Hanger Bearings**
  The continuous helix rides on a liner, eliminating intermediate bearing supports.
- **No Center Pipe**
  Removes the point where wet, sticky, and stringy products build up.
- **Replaceable Trough Liner**
  The wear liner replaces easily to extend service life.
- **Wear-Resistant Options**
  Engineered to handle abrasive and challenging materials.

BUILT WITH

ORTHMAN QUALITY.

Manufactured in the USA, Orthman Shaftless Screw Conveyors are built with the craftsmanship, engineering expertise, and quality materials that have defined Orthman equipment for decades. Every unit is engineered to deliver dependable performance, long service life, and the durability required for demanding industrial environments.

- Animal Processing
- Pulp & Paper
- Sticky Products
- Industrial Sludges
- Bulk Powders & Granules
- Plastics
- Wastewater Treatment
- Recycling

HAVE A MATERIAL-HANDLING CHALLENGE?

Let an engineer help.

Scan the QR code or visit:
orthmanconveying.com

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FEATURES & OPTIONS

Built for Demanding Applications.

Ideal wherever a standard screw conveyor would clog or wrap — the shaftless design handles sticky, stringy, high-moisture, and odd-lump-size materials with ease.



01 Continuous One-Piece Helix

No center pipe or intermediate hanger bearings in the conveying path.

02 Replaceable Trough Liner

UHMW, dual-color UHMW, AR steel, ceramic, and specialty liners selected to suit the application.

03 Multiple Inlets & Discharges

Conveyor layouts can be configured around process equipment and material flow requirements.

04 Heavy Duty Construction

Built for demanding, continuous service and difficult-to-handle materials.

05 Custom Engineering

Sized and configured to your material and layout.

CUTTING-EDGE CAPABILITIES

Available Configurations

- **HORIZONTAL**
  Transfer material between process equipment in a level arrangement, with inlet and discharge locations positioned to suit your layout.
- **VERTICAL**
  Provide direct upward material transfer for applications evaluated and approved for vertical shaftless conveying.
- **INCLINED**
  Move material to a higher discharge point with an inclined arrangement selected around the material and process requirements.
- **CUSTOM**
  Tailor conveyor sizing, inlet and discharge arrangements, and liner selection to your material, surrounding equipment, and available space.