

# Shaftless Screw Conveyor System

This shaftless screw conveyor is engineered for efficient material handling. The conveyor system features a robust construction with a screw mechanism that propels material along a trough.



## General Information

### Innovative Shaftless Design

This shaftless screw conveyor utilizes a flexible solid steel spiral mechanism designed to efficiently push materials without central axis interference. The system offers superior handling for sticky or tangled materials and features a fully enclosed design for optimal environmental hygiene. Its compact footprint and high torque capacity make it an economical choice for demanding industrial material transport applications.

## Performance Metrics

### Key Performance Metrics

**4000 N/m**

Maximum Torque

**30 meters**

Max Single-Machine Distance

## Technical Features

### System Advantages

- Strong resistance to entanglement
- No central axis interference
- Fully enclosed for leakage prevention
- Large torque, low energy consumption
- Conveying capacity 1.5x of shafted conveyors

## Application Areas

### Typical Applications

Drilling Mud, Waste Slurry, Kitchen Waste, Domestic Garbage, Mud Cake

## Design Specifications

### Operational Flexibility

Feature	Specification
Discharge Options	Bottom or End
Customization	Multi-stage series installation
Environment	High-temperature capable with special liners
Operation	Mobile, multi-purpose