

SPIRAL CONVEYOR

1. OVERVIEW INTRODUCTION

This is an efficient and flexible cargo handling equipment that is widely used in various industries. The device is capable of transporting goods at many different angles, saving space and transportation costs. With a transport capacity up to 30 barrels per minute, spiral conveyors are the perfect solution for businesses looking to optimize their production and shipping processes.

Other features and benefits:

- + Space saving design.
- + Ability to handle many different types of loads.
- + High productivity.
- + Quiet operation.
- + Easy reconfiguration.
- + Quick and easy installation.

*** Pictures of Spiral Conveyor at VTStek:**



2. PRINCIPLE OF OPERATION

- The operating principle of the torsion conveyor bases on the device's spiral mechanism to transport goods from point A to point B
- When the spiral conveyor starts, the spiral structure of the conveyor rotates and pushes the product through the conveyor. Depending on direction of moving of the conveyor, product will move up or down and can rotate to a number of different angles.
- The conveyor is operated by an electric motor, through a chain transmission system to ensure that the conveyor belt is always moving continuously and stably. Conveyor chains are usually made of plastic or steel, with pins firmly attached to ensure durability and longevity of the equipment.

In addition, spiral conveyors are also equipped with positioning sensors, safety protection and maintenance systems to ensure the stable and reliable operation.

3. TECHNICAL SPECIFICATION



Technical specifications

Conveyor motor	2.2kW - 4 kW,... (Suitable to productivity)
Voltage	1 phasse, 3 phase
Control cabinet	With push button, contactor LS
Actuator	A gearbox motor with an adjustable range speed control inverter
Speed	20 - 24m/min
Conveyor belt elevation	> 4,5 m
Ambient temperature	From -5° C - 40° C

4. APPLICATION

- Spiral conveyors have many practical applications in the manufacturing and transportation sectors. Especially in the food, pharmaceutical, chemical and flour production industries.
- Ensuring the product safety and hygiene, convenience for transferring products from one location to another, ensuring product quality and minimizing loss.

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SOLUTIONS ARE DESIGNED & MANUFACTURED AS CUSTOMER'S DEMANDS

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