

# HELIX® FLEXIBLE SCREW CONVEYOR

## THE ULTIMATE CONVEYING SOLUTION.

### 01 Versatile Applications.

From bulk material transport to batching and blending, our Flexible Screw Conveyor excels in a multitude of applications.

### 02 Adaptable Design.

Whether dealing with powders, granules, or irregularly shaped materials, this Helix® conveyor can be customized to effortlessly accommodate a wide range of products.

### 03 Unrivaled Flexibility.

Our helicoid screw rotates inside a fixed tube to efficiently convey materials from point A to B. With a wide range of customizations, the Helix® adapts to your specific needs.

#### Standard Helix®

An indispensable solution designed to streamline your operations, enhance efficiency, and ensure seamless bulk material transfer. This versatile conveyor system is meticulously crafted to meet the diverse needs of industries such as food, chemical, plastics, pharmaceutical, and more.



Introducing our efficient T handle drive box, T handle compression couplings, and quick release agitator assembly designed for tool-free casing removal.



- Conveys materials up to 25 cfm.
- Available in 2.5" to 8" diameter sizes.
- Conveys materials up to 80 feet horizontally with discharge heights of up to 40 feet.
- Wide range of hoppers available.

Model Series No.	Casing O.D.	Bend Radius	Capacity	Component Material	Quick Ship
250	2.32 in	6 ft	15-45 ft <sup>3</sup> /h	Stainless	2 weeks
300	2.96 in	10 ft	30-70 ft <sup>3</sup> /h	Stainless or Polyethylene	48 hours
400	4.20 in	20 ft	60-240 ft <sup>3</sup> /h	Stainless	48 hours
500	4.70 in	N/A	120/360 ft <sup>3</sup> /h	Stainless	2 weeks
600	6.625 in	N/A	120-600 ft <sup>3</sup> /h	Stainless	N/A
800	8.625 in	N/A	360-1800 ft <sup>3</sup> /h	Stainless	N/A

\*Based on free flowing granular material. Actual capacity will vary with material characteristics.

## Hi/Lo



- Keeps workers at ground level, not on ladders or lifts, with a three-phase linear actuator which allows the operator to easily lower the conveyor.
- Move from room to room easily with portable base. Fully assembled conveyor fits through standard-height doors.
- Reach discharge heights up to 12 feet.

## Loss-in-Weight Batching



- Fully automated dosing system equipped with programmable batch controls system integration.
- Load cells built into the hopper base.
- Available with Hi/Lo functionality.

## Auger Selection



**Bevel Edge**  
Used to transport sticky material.



**Flat Wire**  
For fine powders; provides the highest conveyor capacity.



**Round Wire**  
Best for granular material such as salt or sugar.



**Heavy-Duty Square**  
For heavy, abrasive material.

**HAPMAN**

Ideas that move.

Dairy



P-300



- Certificate of acceptance for compliance with USDA guidelines for the sanitary design and fabrication of dairy processing equipment or applicable USDA dairy grade sanitary standards. Hapman is the industry's only flexible screw conveyor manufacturer listed by the USDA for dairy grade applications.
- Disassembles quickly and without tools with the quick-release Tri-Clamp connectors.

- FDA-approved UHMW polyethylene discharge and hopper reduce the cost compared to the stainless steel model.
- Lightweight and easy to maintain.

## Flow Aid Devices



**Pin Agitator**  
For fine powders and semi free-flowing materials.



**Ribbon Agitator**  
Ideal for sluggish materials that may bridge or rathole.



**Hopper Mounted Air Pads**  
Used to convey materials that tend to pack or settle.



**Vibratory Hopper**  
For intermittent use to promote flow into the conveyor inlet.

## Options



**Inlet Boot**  
Quick release inlet assembly for hopper maintenance and auger removal.



**Right Angle Drive**  
Designed to fit under low ceilings.

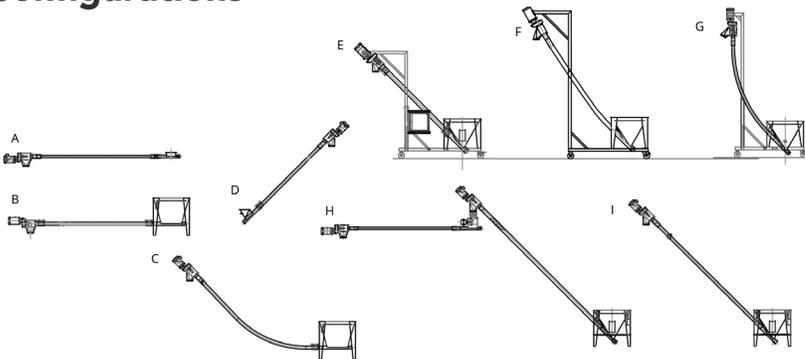


**Center Core**  
Mitigates challenges when conveying very dense, fluid or highly aerated material.



**Mobile Base**  
Allows you to move from process to process, replacing multiple conveyors.

## Configurations



**Ships in 2 days or less!**

On select models.

Ask about our material testing!

Hapman offers a complete line of material handling equipment that easily integrates into existing systems, including:

- Flexible Screw Conveyors
- Tubular Drag Conveyors
- Vacuum Conveyors
- Feeders
- Bulk Bag Unloaders
- Bulk Bag Fillers
- Bag Dump Stations
- Lump Breakers
- And More

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