

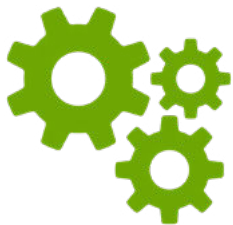


The Ultimate Guide to Enclosed Tubular Drag Cable and Disc Conveyors

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In industrial and commercial facilities, some materials are challenging to transport using traditional conveyance methods. These include delicate and fragile materials, powdered or granular materials, and clean or toxic materials, many of which are needed in bulk volumes for various production operations. Fortunately, the experts at Cablevey® Conveyors have developed the perfect conveying solution for such production facilities—tubular drag cable and disc conveyors.

Tubular drag cable and disc conveyors gently, cleanly, and reliably move materials through production facilities. Whether the materials are wet or dry and hot or cold, they can deliver them from room to room, floor to floor, and even building to building effectively and efficiently. In this eBook, we provide a comprehensive overview of enclosed tubular drag cable and disc conveyors. We discuss how they work, what benefits they offer, what products they can move, and what to consider when choosing one for a facility.



How They Work



Benefits



Product Options



What to Consider



How Do Enclosed Tubular Drag Cable and Disc Conveyors Work?

Cable and tube conveyor systems have conveyance tubes with cables and discs attached at set intervals within them. Unlike the design of regular conveyor systems, this design ensures the materials are gently handled from inlet to discharge. The discs collect and carry materials along the enclosed tube component, ensuring they are not battered, blown, bumped, or otherwise roughed up as they are moved from one location to the next. This helps prevent breakage and damage in fragile and delicate materials, which can significantly increase profitability and decrease loss for the facilities that use them.





Advantages of Enclosed Tubular Drag Cable and Disc Conveyors

Compared to other types of conveyor systems, enclosed tubular drag cable and disc conveyors offer a number of advantages, such as:



Sealed Handling Environment

Enclosed tubular conveyors protect their contents from external contamination, which is especially important in sanitary applications such as food and beverage handling. At the same time, they also prevent contents from escaping, which reduces product loss and keeps the workspace clean of material waste.



Customizable Configurations

These conveyor systems can be configured in many ways to suit different conveyance requirements and restrictions. For example, they can use meter or flood feeding mechanisms, operate at various sweep angles, and deliver products between rooms, floors, and buildings.



Low Energy Consumption

These conveyors operate with less horsepower and consume less energy than other systems.



Broad Market Compatibility

Enclosed tubular drag cable and disc conveyors are suitable for carrying a wide range of materials. They can handle hot or cold materials, wet and dry materials, mixed blend materials, and delicate or sensitive materials.



Reduced Product Breakage & Loss

These conveyor systems save production facilities money by reducing the amount of product that breaks within or escapes from the conveyor system.



Easy Maintenance

These conveyors are easy to clean and maintain, which decreases the amount of time workers need to spend on keeping them up and running.



Products Moved by Enclosed Tubular Drag Cable and Disc Conveyors

Enclosed tubular drag cable and disc conveyors can be used for virtually any material that fits inside of their conveyance tubes. However, they are generally utilized to move materials that fit into the following categories:

Small, granular and powdered materials:

Small, granular and powdered materials can be easily blown off open environment conveyor systems. Since these conveyor systems have an enclosed design, there is no risk of the material being blown away, which helps reduce overall material loss and waste during production operations.

Fragile and delicate materials:

Fragile and delicate materials can break on normal conveyor systems. The design of these conveyors ensures that the materials can be moved without breakage in large volumes over long distances.

Clean materials:











The enclosed design of these conveyor systems protects clean materials (e.g., food) from contamination.

Toxic materials:

The enclosed design of these conveyor systems prevents toxic materials from contaminating the facility.



Typical products moved by enclosed tubular drag cable and disc conveyors include:

 <p>Coffee</p> <p>Learn More</p>	 <p>Nuts</p> <p>Learn More</p>	 <p>Snack Food</p> <p>Learn More</p>	 <p>Pet Food</p> <p>Learn More</p>	 <p>Breakfast Cereal</p> <p>Learn More</p>
 <p>Brewery/Specialty Grains</p> <p>Learn More</p>	 <p>Specialty Seeds, Beans, & Industrial Hemp</p> <p>Learn More</p>	 <p>Frozen Food</p> <p>Learn More</p>	 <p>Powders</p> <p>Learn More</p>	 <p>Industrial Materials</p> <p>Learn More</p>



Key Considerations for Enclosed Tubular Drag Cable and Disc Conveyors

There are many types of conveyor systems available, each of which is suitable for different applications. Some of the key factors to consider when deciding whether an enclosed tubular drag cable and disc conveyor is right for your conveyance needs include:



Product Integrity

These systems decrease the risk of products breaking while being moved and reduce the risk of product residue being trapped within the system. Additionally, they minimize the amount of direct contact with the material, which helps prevent the contamination of clean materials.



Facility Requirements

These systems can accommodate a variety of workspaces and facilities. They can move materials vertically, horizontally, around corners, and on angled planes at speeds up to 42.4 m³ /hr.



Maintenance Requirements

These systems have fewer moving parts than other conveyor systems, which decreases the amount of maintenance they require. Additionally, since their parts are removable, they are faster and easier to maintain when needed.



Energy Efficiency

These systems run on motors of 7.5 hp or less, which helps lower their energy usage and costs.

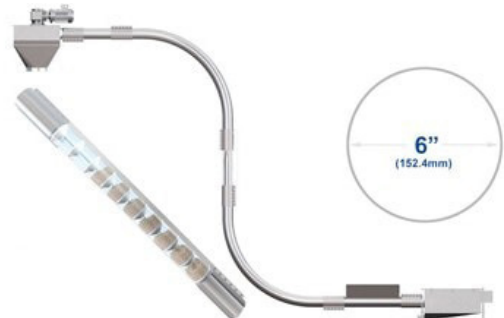
Enclosed Tubular Drag Cable and Disc Conveyor Solutions at Cablevey

Looking for quality enclosed tubular drag and disc conveyors for your production facility? Cablevey® Conveyors has got you covered! Equipped with over 50 years of global experience, the cable and disc conveyor solution experts at Cablevey® have what it takes to deliver gentle, clean, and reliable conveyor systems for nearly any conveyance need. We've commissioned over 32,000 conveyors that effectively and efficiently move over 1,000 products in 66 countries.

Our enclosed tubular drag cable and disc conveyors come in four tube diameter sizes to suit different material conveyance applications:



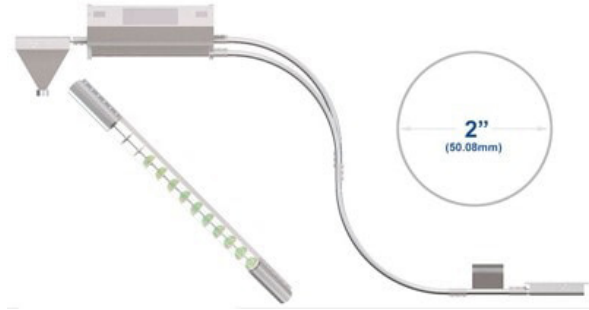
Our **8in diameter conveyors** are commonly used to move bulkier products, such as puffed rice breakfast cereal, whole walnuts, pet food, as well as a high volume of powders. As our widest tube option, they are rated to move up to 80,000 lbs/hr (36,287 kg/hr) of material or approximately 2,000 ft³ (56.6 m³)/hr.



Our **6in diameter conveyors** are used to move the same products as our 8in diameter conveyors. They are rated to move up to 49,420 lbs/hr of material or approximately 1,240 ft³/hr.



Our **4in diameter conveyors** are our most popular system. They are used to transport products such as flaxseed, whole-bean roasted coffee, or raw peanuts. They are rated to move up to 21,000 lbs/hr of material or approximately 525 ft³/hr.



Our **2in diameter conveyors** are generally used to move smaller products, such as small grains, seeds, and animal feed. They are rated to move up to 3,000 lbs/hr of material or approximately 75 ft³/hr.

All of our conveyor systems have a modular design, which enables them to be configured in different ways to accommodate the conveyance needs of various material types. Whether your facility needs to move human food or pet food, wet or dry materials, and powders or grains, we can design and deliver a conveyor system that can move it for you.

To learn more about our conveyor products and how they can benefit your facility, [contact us](#) today. To discuss your conveyor needs with one of our experts, [request a quote](#).

About CABLEVEY® Conveyors

CABLEVEY® Conveyors is a leading worldwide tubular drag conveyor manufacturer based in Oskaloosa, Iowa. For over 50 years, we've designed, engineered, and serviced enclosed cable and disc tube conveyors in over 66 countries.

Our Mission


Cablevey is dedicated to helping manufacturers move delicate materials through tube conveyor technology that's food-safe, highly efficient, protects materials, requires low energy, is clean, fast and cost-effective.


We think of ourselves as simple, honest folks who do what we say we'll do. For advice, questions or quotes on our custom mechanical systems, [contact us](#).

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