A UNIT OF NNT GROUP OF COMPANIES

N & T ENGITECH PVT. LTD.

Conveyor Systems

SAFETY | SPACE | CLEANABILITY | PERFORMANCE

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N & T ENGITECH PVT. LTD.

N&T ENGITECH PVT. LTD. OFFERS COMPLETE SOLUTIONS IN DESIGN, MANUFACTURING, MAINTENANCE, AND ENGINEERING SERVICES TO THE CEMENT, OILS AND FATS INDUSTRIES. OUR COMPANY HAS BECOME A POPULAR NAME DUE TO OUR CREDIBILITY AND INNOVATION. WE HAVE BEEN ABLE TO ACHIEVE THIS BECAUSE OF OUR ABILITY TO SUCCESSFULLY DEVELOP SCALABLE TURNKEY SOLUTIONS THAT CAN HELP IN MAINTAINING THE BALANCE OF THE ENVIRONMENT. SIMILARLY, WE HAVE MAINTAINED INTERNATIONAL STANDARDS OF QUALITY AND HAVE WITNESSED RAPID GROWTH IN OUR INDUSTRY SECTOR.

OUR PORTFOLIO

- **BUCKET ELEVATORS**
- **REDLER CONVEYORS**
- **BULK FLOW CONVEYORS**
- **SCREW CONVEYORS**
- **BELT CONVEYORS**
- **GRAVITY ROLLER CONVEYORS**
- **HIGH ANGLE CONVEYORS**
- **STACKERS** (LOADING & UNLOADING CONVEYOR)
- **SLAT CONVEYORS**
- **WHEEL CONVEYORS**
- **PENCIL CONVEYORS**
- **AIRPORT BAGGAGE CONVEYORS**

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Bucket Elevators

In industrial sectors, the need for lifting free flowing bulk material, in many types and sizes, can be satisfied by the several types of bucket elevators designed and manufactured by N&T Engitech Pvt. Ltd.

High-speed bucket elevators: We recommend this for powdered materials or small sized materials (< 40 mm).

Medium-speed bucket elevators: This is used for medium-sized materials (between 40 and 80 mm) or for special applications such as lifting of fertilizers or granulated material that must be stored intact.

Low-speed bucket elevators: This type of elevator is suitable for lifting large-sized materials (even up to 300 mm or more).

- Designed for long rugged service life and gentle handling of the material
- Heavy duty pillow block head shaft bearing with end caps for dust protection.
- HDPE Buckets (other types optional)
- Self cleaning V-shaped boot, with sliding tray at the bottom
- Inspection doors located on up leg for bucket service
- Capacities calculated at water level cup for realistic capacities
- Split bonnet/head cover for ease of maintenance of head section

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Redler Conveyors

The Chain Conveyor or the Redler Conveyor is a type of conveyor belt that is gentle on granular or pellet products, making it ideal for applications where the integrity of the product is important.

- If required, we also manufacture stainless steel (AISI304 or AISI316).
- Achieving long lengths and high transport capacities.
- Tailor-made to Customer requirements.
- Wide range of models allows all transport requirements to be met.
- Strong and can be used H^2.
- Can convey horizontally, vertically or on inclines.
- Designed to pull materials like briquettes, Agro fuels, coal, woodchips, lime, etc.
- Can convey materials horizontally or on inclines up to 50 degrees.
- Suitable for handling fragile materials

The Redler conveyor, or drag chain, is a horizontal conveyor that can transport large volumes of bulk materials, such as cereals, seeds, flour, and grains, over long distances. It can unload materials at any point along its length, making it a versatile and efficient conveyor system. The height and weight, capacity and speed of the transport depend on the product and the specific needs of each installation.

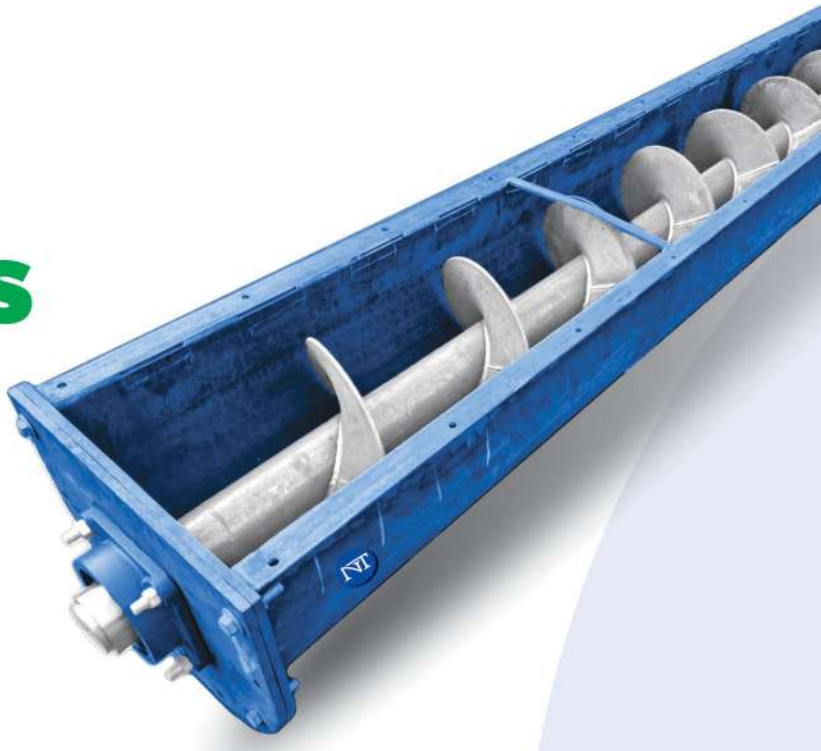
Bulk Flow Conveyors

Our bulk flow chain is superior in quality and less expensive in operating cost. It is used frequently in bulk flow chain conveyors, which are rich inadvantageous characteristics to enhance the transportation of bulk material and rationalize the production.

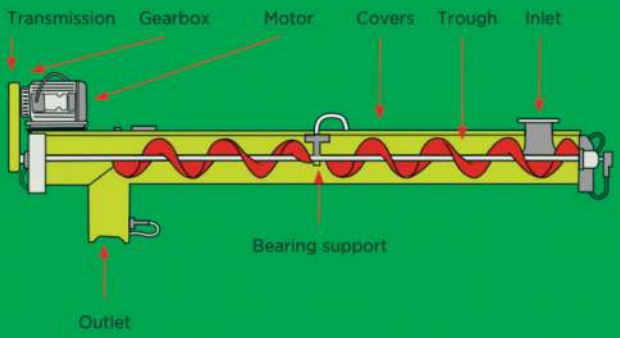
- Capacities: Upto 600MT/hr at 95% conveyor loading
- Capacities are based on material density at 721kg/m^3 (45lb/ft3)
- Heavy duty, totally enclosed take up units ensure that the chain stays tight
- Direct drive, chain drive, "V" belt drive systems are available
- Heavy duty construction, mild steel, electro plated or stainless steel fabrication
- Optional curved section supplied to transfer product from horizontal to vertical
- Multiple outlets are available using our flush mounted slide gate. Low profile design.
- Flood or controlled feeding capability. Excellent clean out

Screw Conveyors

Horizontal screw conveyors are the most widely used type of screw conveyor. Used to convey bulk materials from one part of a process to another, horizontal screw conveyors are available in a wide range of sizes, lengths, configurations, and materials of construction.



- Ideal for conveying dry to semi-fluid bulk materials – free flowing to sluggish
- Cost-effective when compared to other conveying devices such as belt, pneumatic or aeromechanical
- Efficiently distributes bulk materials to various locations using multiple inlet and discharge points
- Totally enclosed for dusty, corrosive or hazardous environments



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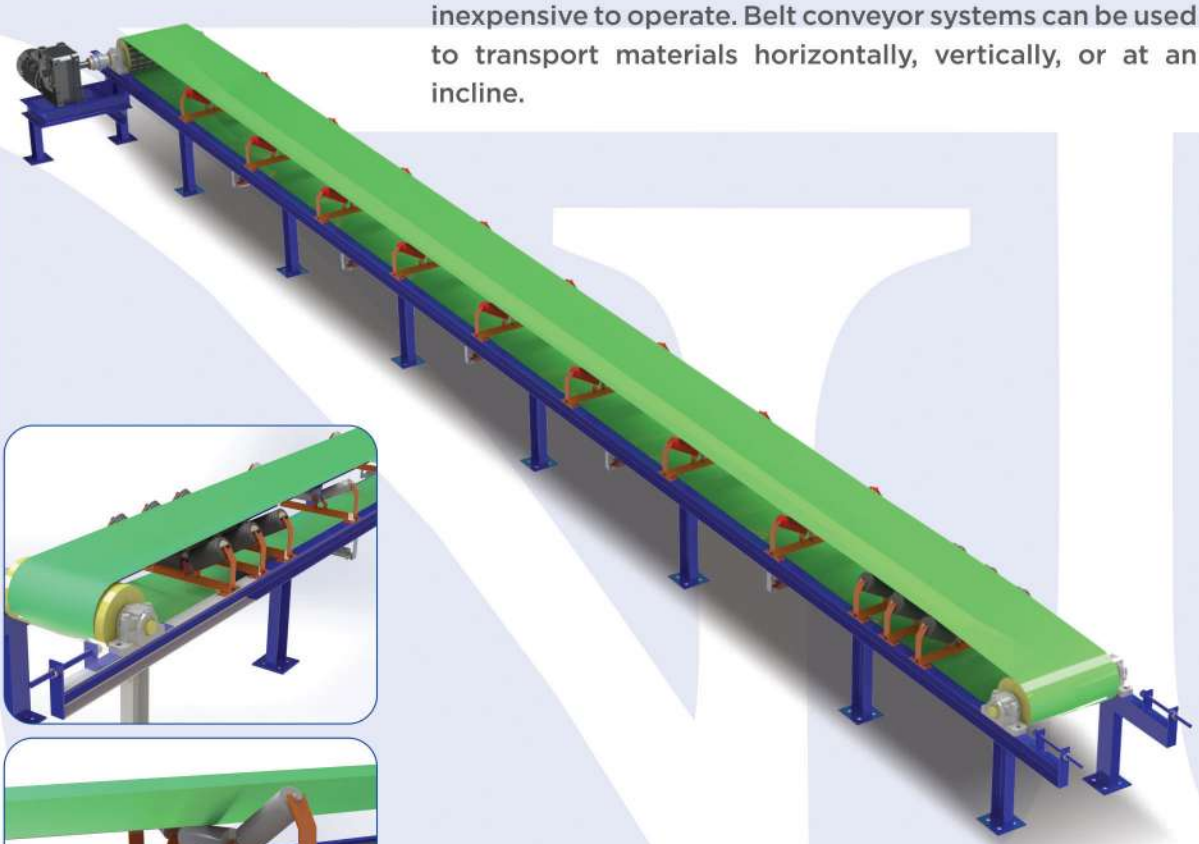
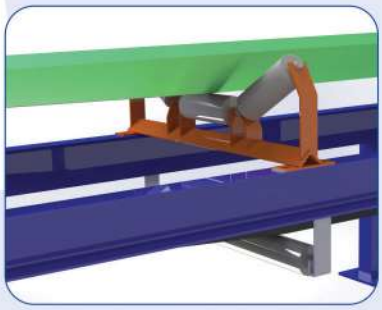
Belt Conveyors

Belt conveyor systems are used in a wide variety of industries to transport materials and products from one point to another. They are efficient, reliable, and relatively inexpensive to operate. Belt conveyor systems can be used to transport materials horizontally, vertically, or at an incline.





- Spring-loaded self-cleaning device prevents sand from sticking to the belts.
- Capacity from 5 Tons per Hour to 100 Tons per Hour
- Belt width Ranges from 400mm to 2000mm
- Snub roller pulley in drive side provides better grip
- Skirting arrangements for avoiding sand spillage
- Guide rollers for the safety of belts
- Zero speed monitoring systems (Optional)

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Gravity Roller Conveyors

Gravity roller conveyors are a simple and affordable type of material handling system that uses the force of gravity to move lightweight to medium-weight goods within a facility.

- Gravity - Powered – Saves Electricity
- Roller Design
- Inclines and Declines
- Quiet Operation
- Low Maintenance
- Loading and Unloading
- Sorting and Accumulation
- Material Compatibility
- Simple Construction
- Flexibility
- Cost-Effective
- Easy Manual Control

High Angle Conveyors

A high angle conveyor, also known as a high incline conveyor or a steep angle conveyor, is a specialized type of conveyor system designed to transport materials at steep angles, typically greater than 30 degrees. These conveyors are used when traditional flat conveyors are not feasible due to space constraints, elevation changes, or material characteristics. Here are the key features and points about high angle conveyors.

- Steep Inclination
- Vertical and Horizontal Transport
- Material Flexibility
- Reduced Spillage
- Safety Measures
- High Capacity
- Cleated Belts
- Space Efficiency
- Reduced Footprint
- Customizable Design
- Automation Integration
- Energy Efficiency

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Stackers

(Loading & Unloading Conveyor)

Stackers, specifically loading and unloading conveyors, are specialized material handling equipment designed to efficiently stack or destack goods or materials, such as containers, bags, boxes, and pallets, in various industries like logistics, warehouses, shipping, and manufacturing. These conveyors play a crucial role in streamlining the movement of goods between transportation vehicles and storage areas. Here are the key features and points about loading and unloading stacker conveyors.

- Automated Loading and Unloading
- Adjustable Height
- Telescopic Boom
- High Capacity
- Efficiency
- Reduced Damage
- Remote Operation
- Energy Efficiency
- Versatility
- Flexibility
- Articulating Conveyor Belt
- Safety Features
- Space Optimization
- Integration with Other Equipment
- Data Collection
- Reduced Labor Costs

Slat Conveyors

Slat conveyors are a type of conveyor system that uses a chain-driven loop of slats to transport products from one end to another. They are similar to belt conveyors, but instead of a rubber belt, they use slats connected to a chain, similar to vehicle treads. This provides a rigid, flat surface for every item on the conveyor, making it ideal for products that cannot be transported on rollers or belts due to their irregular shape.

- Slat conveyors are a versatile and efficient way to transport a wide variety of products, including those that are too heavy, too large, or too irregularly shaped for other types of conveyors. They are often used in manufacturing, warehousing, and distribution applications.
- Slat conveyors are typically made of steel or aluminum, and they can be customized to meet the specific needs of each application. For example, slat conveyors can be equipped with several types of slats, depending on the weight and size of the products being transported.
- Slat conveyors are a dependable and low-maintenance way to transport products. They are also relatively quiet, making them a desirable choice for applications where noise is a concern.
- Overall, slat conveyors are a versatile, efficient, and reliable way to transport a wide variety of products in a wide variety of applications.

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Wheel Conveyors

Gravity wheel conveyors are like gravity roller conveyors, but they use skate wheels instead of rollers. This makes them ideal for transporting lighter loads, such as boxes and totes. Gravity wheel conveyors are also often used in conjunction with other types of conveyors, such as belt conveyors and chain conveyors.

- Skate Wheel Design
- Flexibility
- Low Friction
- Inclines and Declines
- Manual Control
- Low Noise
- Material Compatibility
- Not Ideal for Accumulation
- Gravity-Powered
- Simple Design
- Lightweight Items
- Space Efficiency
- Quick Setup and Teardown
- Economical
- Limited Weight Capacity
- Durability

Pencil Conveyors

Pencil chain conveyors are a type of conveyor system that uses a chain-driven loop of individual rods to transport pouches from one end to another. The rods are made of heavy metals, which makes the conveyor durable and reliable. Pencil chain conveyors are also very accurate, with zero damage to pouches.

- Pencil chain conveyors are often used in food and beverage processing plants, as well as in pharmaceutical and chemical plants. Pencil chain conveyors are known for their accuracy and gentle handling of pouches.
- Pencil chain conveyors work by using a chain-driven loop of individual rods to transport pouches. The rods are made of heavy metals, such as stainless steel or aluminium. This makes the conveyor durable and reliable.
- The rods are also spaced closely together, which prevents pouches from falling through. This is important for applications where pouches need to be transported without damaging the contents.

Airport Baggage Conveyors

An "airport bagging conveyor" is likely referring to a conveyor system used in airports for the transportation of checked baggage or luggage from the check-in area to the baggage sorting and loading areas, ensuring that passengers' bags are efficiently processed for their flights. Here are the key features and points about an airport bagging conveyor.

- High Capacity
- Modular Design
- Durable Construction
- Barcode and Integration
- Tilt Tray or Pusher Mechanism
- Sortation System
- User-Friendly Interface
- Integration with Automated Systems
- Maintenance Considerations
- Continuous Flow
- Integrated Check-In
- Baggage Sorting
- Security Scanning RFID Integration
- Diverting and Merging
- Efficiency and Speed
- Tracking and Traceability
- Safety Measures

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