

# VASHNAVI CONVEYOR INDUSTRY

Engineering Excellence in Motion, Control & Automation



CONVEYORS

**MATERIAL HANDLING**

**AUTOMATION**

**PNEUMATICS  
& ROBOTICS**

TURNKEY  
PROJECTS



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# BELT CONVEYORS

## Reliable Transport Solutions for Every Industry

Belt conveyors are among the most versatile and efficient material handling systems used across industrial sectors. With a simple, yet robust design, they enable continuous, smooth, and safe movement of products over short or long distances – whether in manufacturing plants, assembly lines, packaging units, or warehouses.

Vashnavi Conveyors offers modular and customized belt conveyor systems engineered to meet the unique operational demands of diverse industries. Built with precision, our conveyors ensure optimal performance, durability, and easy integration with automation systems.

### FOOD & BEVERAGES

Washable, hygienic designs with SS 304/316 frames. Food-grade PU belts for packaging, inspection, and sorting.

### CEMENT & CONSTRUCTION

Dust-sealed systems with chevron belts and trough configurations. Handles clinker, gypsum, sand, and heavy bags.

### AUTOMOTIVE & AUTO COMPONENTS

High-load capacity with oil-resistant rubber belts. Used in engine assembly, wiring (harness lines, component) transfer.



### ELECTRONICS & APPLIANCES

Antistatic (ESD-safe) belts and controlled-speed systems. Integration with vision systems, stoppers, and cleanroom fixtures.

### FERTILIZERS & CHEMICALS

Corrosion-resistant materials for acidic environments. Suitable for urea, DAP, and bagged fertilizer movement.

### HEAVY ENGINEERING & FABRICATION

Reinforced frames with high-torque gear drives. Designed for metal housings, fabricated parts, and large assemblies.



FRAME CONSTRUCTION IN MILD STEEL, STAINLESS STEEL OR ALUMINIUM

BELT OPTIONS (PU, PVC, RUBBER, MODULAR PLASTIC OR FOOD GRADE)

## KEY FEATURES:

FLAT, INCLINE, DECLINE & CURVED CONFIGURATIONS

INTEGRABLE WITH SENSORS, STOPPERS, PNEUMATIC MODULES & ROBOTIC ARMS



## SPECIFICATIONS

FRAME: MS POWDER COATED, STAINLESS STEEL OR ALUMINIUM

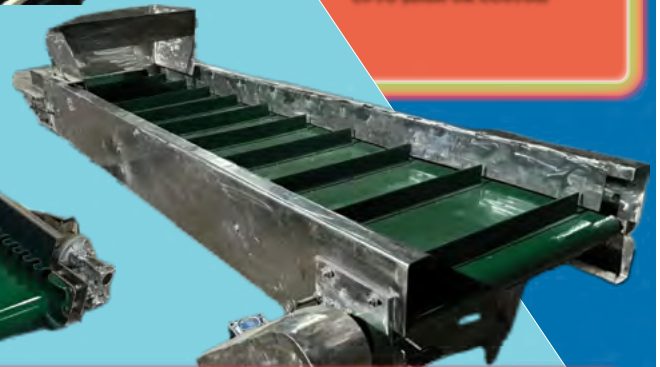
SPEED: FIXED OR VARIABLE, UPTO 30m/min

LENGTH: As per application requirement

CONVEYOR WIDTH: 100mm TO 1800mm

## SPECIFICATIONS

BELT/CHAIN TYPE: PVC, PU, MODULAR PLASTIC, SS SLAT, ROUGH TOUP CLEATED  
LOAD: UPTO 500KG OR CUSTOM  
HEIGHT ADJUSTMENT: UPTO 50MM OR CUSTOM



## INTEGRATED SOLUTIONS

WITH SENSORS, SIDE GUIDES, TRAYS, BINS LIGHTING & CONTROL PANELS

# AUTOMATION MODULES

## DIVERTERS

Pneumatically or motor-driven mechanisms used to shift products across conveyor lanes. Ideal for sorting, lane balancing, and load distribution.



PROXIMITY



POSITION



PHOTO-ELECTRIC



ENCODER FEEDBACK



PROXIMITY

## STOPS

Fixed or retractable mechanical stops to control product flow or accumulate material safely. Suitable for assembly and dispatch zones.

## POPPERS (POP-UP STOPPERS)

Retractable stoppers that rise to temporarily halt or index products at a station. Commonly used in inspection zones or waiting areas.



POSITION



PHOTO-ELECTRIC



PROXIMITY



POSITION

## PUSHERS

Sideways actuated arms that push products off the main line for rejection, sorting, or alternate routing.

## LIFTERS

Vertical movement modules that lift products off the conveyor for height adjustment or layer-based transfer. Used in multi-level transport or machine interfacing.



POSITION



PHOTO-ELECTRIC



ENCODER FEEDBACK

## INDEXING SYSTEMS

Controlled motion systems that synchronize product movement with downstream processes such as robotic pickers or packing stations. These modular automation elements are designed for fast integration with existing conveyor systems and can be customized in size, material, and extension type depending on application needs. Their deployment significantly enhances line flexibility, reduces human intervention, and enables Industry 4.0 compatibility.



## 90 DEGREE TRANSFER MODULES

## INTERFACE PANELS



## CONTROL PANELS & PLC PROGRAMMING CUSTOM AUTOMATIONS



## ROBOTICS

### KEY AUTOMATION MODULES & INTELLIGENT INTEGRATION:

Smarter Conveyor Integration for Automotive, FMCG, Electronics, Warehousing & E-Commerce  
Custom Modules to Cut Manual Effort, Boost Output, and Enhance Flow Precision

# ROLLER CONVEYORS

## GRAVITY ROLLER

These conveyors operate without power, using gravity and manual force to move goods.

Ideal for flat-bottom cartons, crates, and bins.

They are cost-effective, require minimal maintenance, and are widely used in inspection lines, warehouse transfers, and assembly areas.

## Reliable Transport Solutions for Every Industry

Roller conveyors are essential for moving flat-bottomed loads in assembly, packaging, and logistics environments. Vaishnavi offers both gravity and powered roller conveyors designed for smooth, durable, and low-maintenance transport.

## FLEXIBLE ROLLER

Flexible roller conveyors are expandable and portable solutions ideal for variable-length handling zones.

They can curve, extend, or contract to fit changing layouts and are often used in loading/unloading areas or temporary material flow setups.



**MILD STEEL OR STAINLESS STEEL ROLLERS  
ADJUSTABLE SLOPE FOR FLOW CONTROL  
IDEAL FOR SHORT RUNS & LIGHT-TO-MEDIUM LOADS**

### KEY FEATURES:

**EXPANDABLE FRAME WITH SWIVEL CASTERS  
GRAVITY OR MORTORIZED ROLLERS AVAILABLE  
EASY STORAGE AND DEPLOYMENT**



Chain conveyors are robust systems designed for handling heavy-duty loads such as pallets, automotive frames, and structural components. They consist of continuous chain-driven platforms and are suitable for tough industrial conditions.

# CHAIN CONVEYORS

**INTEGRATED SOLUTIONS AND SPECIALITY HEAT/OILY APPLICATIONS  
WITH SENSORS, SIDE GUIDES, TRAYS, BINS LIGHTING & CONTROL PANELS**

# TELESCOPIC CONVEYORS

Powered for Every Industry

Engineered for efficient loading and unloading of trucks, trailers, and containers, telescopic belt conveyors extend and retract to reach deep inside vehicles, significantly reducing manual handling. Available with hydraulic or electric height adjustment, they offer forward/reverse movement, mobile or fixed configurations, and can be integrated with dock operations for faster turnaround times. Ideal for logistics hubs, courier services, e-commerce fulfillment, and distribution centers.

## TYPES

### BELT

### ROLLER

## VARIANTS

**FIXED DOCK  
MOBILE ON WHEELS  
GRAVITY ASSISTED RETURN**

**Description:**  
Uses a continuous belt to transport goods; extends and retracts into vehicles.

Capacity Range: 50 kg/m



## VARIANTS

**GRAVITY ROLLER  
POWERED ROLLER  
FLEXIBLE EXPANDABLE  
ROLLER**

**Description:**  
Uses gravity or powered rollers; suitable for rigid-bottom items.

Capacity Range: 100 kg/m

**CARTONS, BAGS, PARCELS, LIGHT WEIGHT GOODS  
LOGISTICS HUBS, COURIER COMPANIES  
WAREHOUSES, E-COMMERCE**

## BEST FOR:

**PALLETIZED GOODS, CRATES, BOXES, PALLET HANDLING,  
MANUFACTURING, AUTOMOTIVE, FMCG**



## OUR SOLUTIONS

### SPECIFICATIONS

**NO OF SECTIONS: 2,3,4**  
**FRAME: MS POWDER COATED**  
**FIXED LENGTH: 4000mm, 5000mm**  
**TOTAL LENGTH: 7000mm,  
12000mm, 15000mm**  
**CONVEYOR WIDTH: 600mm  
to 1000mm**

## HEIGHT ADJUSTMENT

**HYDRAULIC  
ELECTRIC**

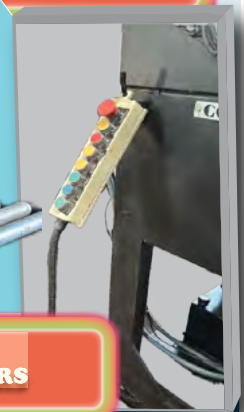
## BEST FOR:

**MIXED LOAD HEIGHTS  
AND VARIED  
TRUCK/CONTAINER  
SIZES, LOGISTICS,  
FOOD & BEVERAGE,  
MANUFACTURING**



## CUSTOMIZATION

**WITH ACCESSORIES - BATTERY, CONTROL PANEL, ROLLER CONVEYORS**



# About Us

Vashnavi Conveyors is a leading provider of customized conveyor and automation solutions, serving diverse sectors such as FMCG, automotive, electronics, warehousing, and heavy engineering. With a state-of-the-art fabrication unit, advanced powder coating setup, and in-house design team, we deliver end-to-end material handling systems built to perform in demanding industrial environments.

Our focus lies in developing efficient, modular, and application-specific conveyor systems that enhance productivity, reduce manual effort, and adapt to changing process needs.

## ENGINEERED FOR 24 \* 7 DUTY

### CAPABILITES



### APPLICATIONS



### INDUSTRY



# Infrastructure & Capabilities

## Infrastructure & Capabilities

Our in-house capabilities empower us to address the most demanding industry requirements:

- Fabrication shop with CNC cutting, bending & welding
- Powder coating line for corrosion-resistant, durable finishes
- Modular mechanical assembly and testing bays
- Pneumatic and electrical automation integration

## SPARES AND SERVICE AT ALL LOCATIONS

## COMPATIBLE WITH DIVERTER, ROBOT SYSTEMS AND SMART CONTROLS

### TELESCOPIC

Courier  
E-commerce  
3PL

Truck Container Loading  
/Unloading

Cement  
Heavy Engg.  
Steel

Com Pallet movement  
Structural parts

### CHAIN

Heavy-duty chain beds  
Reinforced guides  
Powder coated frames

### BELT

Core focus  
Powder coating  
PU/PVC belts  
Modular builds  
SS fabrication

Packing  
Product transfer  
Inspection

Electronics  
FMCG  
Food  
Pharma

MODULAR IN DESIGN  
FLEXIBLE IN LAYOUT

### ROLLER

Custom jig setups  
Gravity & powered  
rollers  
Scalable frames

Assembly  
Dispatch  
Loading zones

Automotive  
FMCG  
Warehousing

### SLAT

Engineered for  
oily/hot parts  
MS/SS slat build,  
rugged  
frames  
SS fabrication

Component  
handling  
Indexing lines

Appliances  
White Goods  
Automotive

Heavy-duty chain beds  
Reinforced guides  
Powder coated frames