

VASHNAVI CONVEYOR INDUSTRY

Engineering Excellence in Motion, Control & Automation

CONVEYORS

HORIZONTAL & VERTICAL



AUTOMATION

PNEUMATICS & ROBOTICS



MATERIAL HANDLING



TURNKEY AUTOMATION



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Vashnavi Conveyors – Engineering Motion with Precision

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.

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
- 2D/3D CAD design with FEA support
- Industry-ready installations for belt, roller, slat, chain, and telescopic conveyors

<p>BELT</p> <p>CAPABILITIES</p> <ul style="list-style-type: none"> Core focus Powder coating PU/PVC belts Modular builds SS fabrication 	<p>APPLICATIONS</p> <ul style="list-style-type: none"> Packing Product transfer Inspection <p>INDUSTRY</p> <ul style="list-style-type: none"> Electronics FMCG Food Pharma 	<p>ROLLER</p> <p>CAPABILITIES</p> <ul style="list-style-type: none"> Custom jig setups Gravity & powered rollers Scalable frames 	<p>APPLICATIONS</p> <ul style="list-style-type: none"> Assembly Dispatch Loading zones <p>INDUSTRY</p> <ul style="list-style-type: none"> Automotive FMCG Warehousing 	<p>Slat</p> <p>CAPABILITIES</p> <ul style="list-style-type: none"> Engineered for oily/hot parts MS/SS slat build, rugged frames SS fabrication 	<p>APPLICATIONS</p> <ul style="list-style-type: none"> Component handling Indexing lines <p>INDUSTRY</p> <ul style="list-style-type: none"> Appliances White Goods Automotive
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<p>CHAIN</p> <p>CAPABILITIES</p> <ul style="list-style-type: none"> Heavy-duty chain beds Reinforced guides Powder coated frames 	<p>APPLICATIONS</p> <ul style="list-style-type: none"> Pallet movement Structural parts <p>INDUSTRY</p> <ul style="list-style-type: none"> Cement Heavy Engg. Steel 		
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	<p>TELESCOPIC CONVEYOR</p> <p>CAPABILITIES</p> <ul style="list-style-type: none"> Extendable Boom Design Ergonomic build Faster Turnaround Reduced Manpower 	<p>APPLICATIONS</p> <ul style="list-style-type: none"> Truck/Container Loading/Unloading <p>INDUSTRY</p> <ul style="list-style-type: none"> Courier E-commerce 3PL 	
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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.

Key Features

- Flat, incline, decline, and curved configurations
- Frame construction in mild steel, stainless steel, or aluminum
- Belt options (PU, PVC, rubber, modular plastic, or food-grade)
- Integrable with sensors, stoppers, pneumatic modules, and robotic arms

FOOD & BEVERAGES

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

ELECTRONCS & APPLIANCES

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

AUTOMOTIVE & AUTO COMPONENTS

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

HEAVY ENGINEERING & FABRICATION

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

CEMENT AND CONSTRUCTION

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

FERTILIZER & CHEMICALS

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

SPECIFICATION RANGE

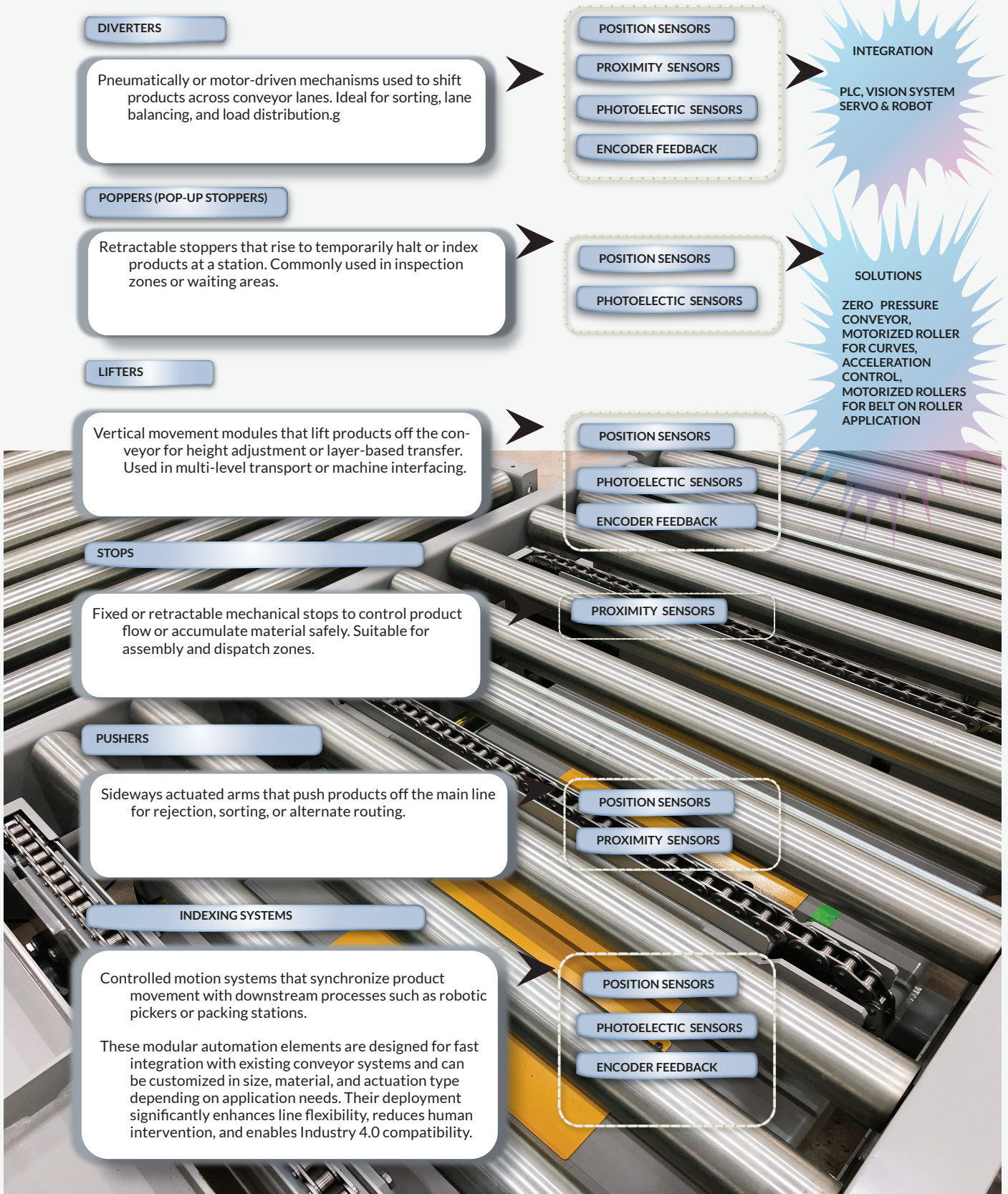
Parameter	Specification
Conveyor Width:	100 mm to 1800 mm:
Length	: As per application requirement
Belt/Chain Type:	PVC, PU, modular plastic, SS slat, rough top, cleated
Frame	: MS powder-coated, SS, aluminum profile
Height Adjustment	: ±50 mm or as required
Speed	: Fixed or variable, up to 30 m/min
Load Capacity	: Up to 500 kg or custom
Options	: Sensors, side guides, trays, bins, lighting, control panels



Automation Modules for Conveyor Systems

Vaishnavi Conveyors designs and manufactures a range of modular automation elements that can be seamlessly integrated with conveyor systems to enable smart routing, control, and process optimization. These automation modules help reduce manual handling, increase throughput, and improve precision in material flow across industries such as automotive, FMCG, electronics, warehousing, and e-commerce.

Key Automation Modules & Intelligent Integration



Industrial Conveyor Solutions by Vaishnavi

ROLLER CONVEYORS

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.

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.

Key Features:

- Mild steel or stainless steel rollers
- Adjustable slope for flow control
- Ideal for short runs and light-to-medium loads

SPECIFICATION RANGE

Parameter	Specification
Roller Length	: Standard - 400mm Custom - 100mm to 1800mm in multiples of 50mm
Conveyor Width	: Power Roller - Roller length + 100mm Gravity Roller - Roller length + 80mm
Length	: As per application requirement
Roller Material	: Option of Zinc plated MS/S/PU coated
Roller Diameter	: Diameter 38mm/50mm/As per application
Roller Pitch	: As per item size & weight or application
Roller Drive	: Chain Drive - 1/2 inch chain interlink driven Line shaft - through belt and pulley Pulley V-Belt Timing belt
Roller Mounting	: Powder coated MS "C: Channel/Aluminium profile or as per requirement
Frame	: MS powder-coated, SS, Anodized profile
Height Adjustment	: ±50 mm or as required
Speed	: Fixed or variable, as per requirement
Load Capacity	: Up to 500 kg or custom

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.

Key Features:

- Expandable frame with swivel casters
- Gravity or motorized rollers available
- Easy storage and deployment



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.

BELT TYPE

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

Best For: Cartons, bags, parcels, and lightweight goods. Logistics hubs, Courier companies, warehouses, e-commerce

Variants:

Fixed Dock-Mounted: Permanently installed at a loading dock.

Mobile on Wheels: Can be moved between loading bays.

Gravity-Assisted Return: Simple extension/retraction with minimal power usage

Capacity Range: 50 kg/m

ROLLER TYPE

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

Best For: Palletized goods, crates, and boxes. Pallet handling, manufacturing, automotive, FMCG

Variants:

Gravity Roller: Lower cost, uses slope to move goods.

Powered Roller: Motorized movement for heavy loads.

Flexible Expandable Roller: Bendable path for uneven dock spaces.

Capacity Range: 100 kg/m

HYDRAULIC/ELECTRIC HEIGHT ADJUSTABLE TYPE

Description: Allows operators to adjust conveyor height for ergonomic loading/unloading.

Best For: Mixed load heights and varied truck/container sizes. Logistics, food & beverage, manufacturing

Hydraulic Lift system: Smooth, heavy-duty height adjustment.

Capacity Range: Matches bases type

Description: Allows operators to adjust conveyor height for ergonomic loading/unloading.

Best For: Mixed load heights and varied truck/container sizes. Postal services, electronics, distribution centers

Electric Actuator Lift: Precise positioning and easy control with low maintenance

Capacity Range: Matches bases type



Telescopic conveyors: Powered for Every Industry

Double/Triple Stage

Description: Multiple nested conveyor sections for extended reach.

Best For: Deep container loading where reach is critical. Shipping hubs, e-commerce warehouses, postal facilities, Large warehouses

With Operator platform

Description: Includes a platform for operators to stand on and control movement inside the vehicle.

Best For: High-volume manual sorting, parcel hubs

HYDRAULIC/ELECTRIC HEIGHT ADJUSTABLE TYPE

Description: Adds barcode scanning, weighing, or diverter modules at the infeed/discharge.

Best For: Courier hubs and automated distribution systems.

Capacity Range: Matches bases type

SPECIFICATION RANGE

Parameter	Specification
Conveyor Width:	600mm, 800mm, 1000mm
Length	: 7000mm, 12000 mm, 15000mm
Fixed Length	: 4000mm, 5000mm,
Frame	: MS powder-coated
Height of lift	: 1.2 metres
No of sections	: 2,3,4