FALCON
AUTOMATION

PRODUCT CATALOGUE 2026

CONVEYORS · PACKAGING MACHINERY · AUTOMATION

Moving your products.
Automating your line.

Conveyor systems and packaging machines, designed, built and installed by Falcon Automation, Vapi, Gujarat.









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ABOUT US

Automation built around your process

Falcon Automation designs and manufactures conveyor systems, packaging machinery and automation for factories and warehouses across India.

From a single belt conveyor to a complete end-of-line system, every machine we build starts with your product, your output and your floor. Our team designs, fabricates, installs and supports each project from our facility in GIDC Vapi, Gujarat.

Because we build both conveyors and packaging machines, we design the whole line together: matched heights, speeds and controls at every transfer, and one partner to call when you need support.

2022
Established

GIDC Vapi
Design & fabrication

End-to-end
Design to after-sales support

Pan-India
Supply & installation

Why manufacturers choose Falcon

Designed for you
Every machine engineered to your product, output and floor layout.

Made in Vapi
In-house design and fabrication at GIDC Vapi, Gujarat.

One partner for the line
Conveyors and packaging machines designed to work together.

Installed & supported
Installation, commissioning, training and after-sales service.

Right material
MS, SS or aluminium, chosen for your environment.

Pan-India supply
Serving manufacturers and warehouses across India.



Conveyor systems
Conveyors for products, cartons, pallets and bulk material.

PAGES 05 – 12



Packaging machinery
Machines for sealing, strapping, wrapping and shrink packing.

PAGES 13 – 14

HOW WE WORK

From first call to running line

01
Consult
We study your product, output and layout, on site or by video.

02
Design
Layout drawing and specification tailored to your process.

03
Fabricate
Built and tested in our Vapi facility.

04
Install
On-site installation, commissioning and operator training.

05
Support
Maintenance, spares and quick service when you need it.

In-house design
Layouts and detailed design

Fabrication
MS, SS and aluminium

Electrical & PLC
Panels, VFDs, sensors

Installation
On-site commissioning

After-sales
Service and spares

Industries we serve

- Food & Beverage
- Pharmaceutical
- Plastics
- FMCG
- E-commerce & 3PL
- Automotive
- Electronics
- Chemicals
- Textiles
- Packaging
- Waste & Recycling
- Warehousing

Not sure what you need? Send us your product, output and a photo or video of the area on WhatsApp (+91 81405 57897). Our engineers will recommend the right solution.

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Custom requirement? Every machine here is built to order. If you need something not listed, we design special-purpose conveyors and equipment too.

Conveyor systems

01



Telescopic Belt Conveyor

Load and unload trucks and containers without walking the goods in.

A belt conveyor with nested boom sections that extend deep into a truck or container and retract as loading progresses, so cartons and parcels travel to the operator instead of being carried.

- Multi-stage boom extends and retracts on demand
- Forward, reverse and variable speed
- Operator controls at the boom tip
- Reduces loading time and manual lifting
- Fixed or mobile base for one or several dock doors

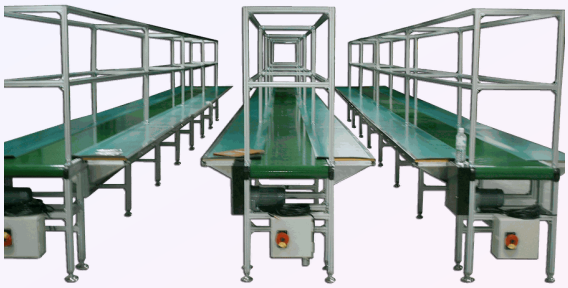
APPLICATIONS

Logistics · E-commerce · Warehousing · FMCG dispatch

BUILD OPTIONS

Stages	2, 3 or more, as per reach
Belt	PVC, rough-top or as required
Controls	Fwd/rev, VFD, safety stops

02



Assembly Line Conveyor

A steady production pace with workstations built in.

Products move through a series of workstations where parts are added, tested and packed. We build the conveyor and the stations together, around how your team actually assembles your product.

- Integrated benches, lighting, tool rails and power points
- Stoppers and indexing for precise positioning
- Modular: add or move stations as volumes change
- Ergonomic working height and reach
- Testing and packing stations at the end of line

APPLICATIONS

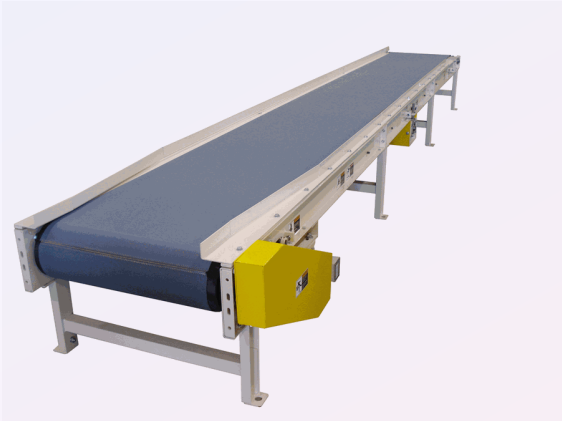
Electronics · Appliances · Automotive parts · Electrical goods

BUILD OPTIONS

Type	Belt, roller, slat or pallet
Frame	MS (powder coated), SS or aluminium
Controls	Speed control, counters, station stops

Conveyor systems

03



Belt Conveyor System

The most versatile way to move products, flat or on an incline.

A continuous belt running over a drive and tail pulley carries cartons, bags, packs and loose items between machines, workstations and dispatch. Built to your length, width, height, speed and load.

- Flat, inclined, declined and Z-type layouts
- Belt chosen for grip, hygiene, oil or heat
- Variable speed with optional VFD
- Rigid frames for continuous multi-shift duty
- Side guides, sensors and stoppers as required

APPLICATIONS

Manufacturing · Packaging · Warehousing · Food & FMCG

BUILD OPTIONS

Belt	PVC, PU, rubber, cleated, food grade
Frame	MS (powder coated), SS or aluminium
Drive	Geared motor, VFD optional

04



Roller Conveyor System

Gravity or powered rollers for cartons, crates and totes.

Products with a flat, rigid base ride on rollers: free-turning gravity rollers for low-cost manual sections, or powered rollers with zone control for accumulation, merging and transfers.

- Gravity, chain-driven or motorised roller options
- Zero-pressure accumulation with zone control
- Quiet, energy-efficient operation
- Curves, merges, transfers and diverters
- Modular sections, easy to extend later

APPLICATIONS

E-commerce · Distribution centres · Packing & dispatch · Manufacturing

BUILD OPTIONS

Rollers	MS zinc plated, SS or PVC
Drive	Gravity, chain, belt or motorised
Frame	MS (powder coated), SS or aluminium

Conveyor systems

05



Spiral Conveyor System

Change levels in the smallest possible footprint.

Products travel around a helical track, rising or descending between floors and mezzanines without the long run an inclined conveyor needs. The spiral also acts as a buffer between machines.

- Vertical transfer in a compact footprint
- Continuous flow, up or down
- Built-in accumulation buffer
- Multiple infeed and outfeed levels
- Gentle handling of cartons, packs and trays

APPLICATIONS

Food & beverage · Packaging lines · Multi-level plants · Retail distribution

BUILD OPTIONS

Direction	Up, down or reversible
Levels	Single or multiple in/out points
Frame	MS (powder coated), SS or aluminium

06



Curve Roller Conveyor

Turn corners smoothly and use floor space well.

Curved roller sections with tapered rollers turn products through 30°, 45°, 90° or 180° while keeping their orientation, so lines can follow walls, columns and building shapes.

- Tapered rollers keep products aligned
- Standard angles or custom curves
- Gravity or powered versions
- Matches straight roller sections seamlessly
- Side guards for stable cartons

APPLICATIONS

Warehousing · Dispatch areas · Packing lines · Compact layouts

BUILD OPTIONS

Angle	30°, 45°, 90°, 180° or custom
Drive	Gravity or powered
Rollers	Tapered MS or SS

Conveyor systems

07



Expandable Flexible Scissor Roller Conveyor

Stretch it, bend it, roll it away.

A scissor-frame conveyor with rollers or skate wheels that expands, contracts and curves by hand. Ideal for truck loading, receiving and temporary lines, then compacts for storage.

- Expands and contracts to the length needed
- Forms curves and S-shapes without extra parts
- Height-adjustable legs with lockable castors
- Gravity or powered versions
- Ready to use in minutes

APPLICATIONS

Truck loading · Goods receiving · Courier hubs · Peak-season lines

BUILD OPTIONS

Type	Rollers or skate wheels
Power	Gravity or motorised
Length	Custom extended / retracted

08



Inclined / Inter-Floor Loading & Unloading Conveyor

Move goods between floors without stairs or waiting for a lift.

Inclined belt conveyors that carry products between the ground floor, mezzanines and upper storeys, or between dock and vehicle, with cleated or grip belts for a secure climb.

- Up, down or reversible operation
- Cleated or rough-top belts for inclines
- Built to your exact floor-to-floor height
- Guarding and safety stops at floor openings
- Variable speed and start/stop controls

APPLICATIONS

Multi-storey plants · Warehouses · Mezzanine stores · Loading docks

BUILD OPTIONS

Belt	Cleated, rough-top or PVC
Height	As per site
Controls	Fwd/rev, VFD, safety stops

Conveyor systems



Pallet Conveyor System

Heavy loads on pallets, moved safely and automatically.

Heavy-duty chain-driven roller or chain conveyors move loaded pallets between production, wrapping, storage and dispatch, with turntables and transfers to change direction.

- Heavy-duty rollers and chains for pallet loads
- Turntables and transfers for direction change
- Accumulation with sensors and stops
- Connects to stretch wrapping and dispatch
- Low height for easy forklift loading

APPLICATIONS

End-of-line · Warehousing · Beverages · Building materials

BUILD OPTIONS

Type	Chain-driven roller or chain
Pallet	As per your pallet size
Add-ons	Turntable, transfer, stops



Waste Handling Conveyor

Rugged conveyors for waste, scrap and recycling.

Heavy-duty belt and slat conveyors move mixed waste, scrap and recyclables to sorting, shredding and baling, with picking platforms where people separate materials along the line.

- Heavy rubber belts or steel slats
- Side walls and skirting to contain material
- Picking stations for manual sorting
- Inclined feeding to shredders and balers
- Built for abrasive, dusty conditions

APPLICATIONS

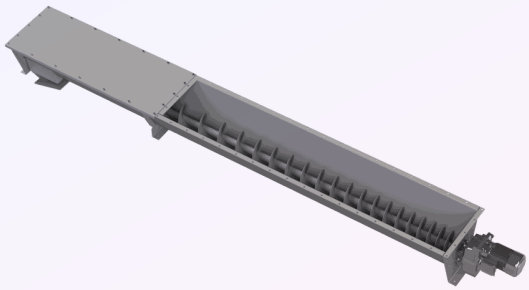
Recycling plants · Municipal waste · Scrap handling · Paper & plastic recovery

BUILD OPTIONS

Surface	Rubber belt, chevron or steel slat
Frame	Heavy-duty MS
Add-ons	Picking platform, hoppers

Conveyor systems

11



Screw Conveyor System

Dust-free transfer and metered feeding of bulk material.

A rotating helical screw inside a closed trough or tube moves powders, granules and bulk solids horizontally, on an incline or vertically, and can meter material into mixers and machines.

- Fully enclosed: no spillage, no dust
- U-trough or tubular casing
- Variable pitch for controlled feeding
- SS construction for food and pharma
- Fits under hoppers, bins and silos

APPLICATIONS

Chemicals · Food ingredients · Plastics granules · Pharma powders

BUILD OPTIONS

Casing	U-trough or tubular
Flight	Full, variable pitch, ribbon
Material	MS or SS

12



Cross Transfer Conveyor System

Move products sideways between parallel lines.

Pop-up belt or chain transfers lift products off one conveyor and move them at 90° onto another, so products can switch lines, merge or divert without being handled.

- 90° transfer between parallel conveyors
- Pop-up belts or chains rise between rollers
- Keeps product orientation
- Sensor-triggered, automatic operation
- Merges, diverts and line balancing

APPLICATIONS

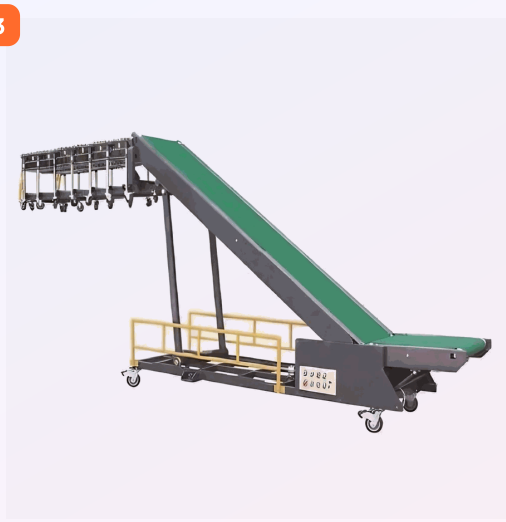
Production lines · Sorting · Packing lines · Distribution centres

BUILD OPTIONS

Transfer	Pop-up belt or chain
Actuation	Pneumatic or motorised
Controls	Sensors, PLC interface

Conveyor systems

13



Portable Truck Loading Conveyor

Take the conveyor to the truck, wherever it parks.

A mobile inclined belt conveyor on wheels that carries cartons, bags and sacks up into trucks and containers. Adjustable incline matches different vehicle heights.

- Mobile on heavy-duty wheels
- Adjustable inclination for different trucks
- Forward and reverse for loading or unloading
- Side guards for bags and cartons
- Plug-in operation, no installation

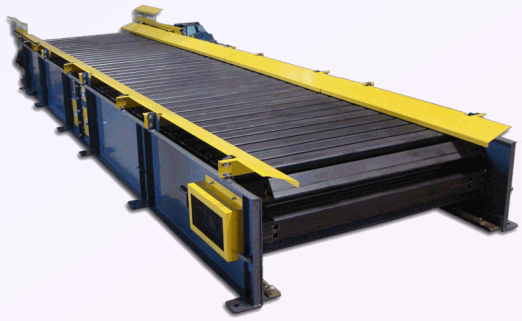
APPLICATIONS

Dispatch · Bag loading · Godowns · Distribution

BUILD OPTIONS

Belt	Rough-top, cleated or PVC
Incline	Manual or powered adjustment
Controls	Fwd/rev, speed control

14



Slat Chain Conveyor System

For loads that would cut, burn or wear out a belt.

Slats on heavy-duty chains carry heavy, hot, sharp or oily products such as castings, drums and assemblies, and bottles and containers on slat-top chains in filling lines.

- High load capacity on rigid slats
- Handles hot, oily and sharp products
- Steel or engineering-plastic slats
- Stable surface for work on the moving line
- Replaceable slats, simple maintenance

APPLICATIONS

Automotive · Foundry & forging · Bottling lines · Heavy engineering

BUILD OPTIONS

Slats	MS, SS or plastic
Chain	Heavy-duty, sized to load
Frame	Heavy-gauge MS or SS

Conveyor systems

15



Modular Conveyor System

Hygienic, wash-down conveying with modular plastic belts.

Interlocking plastic belt modules run straight, curved and inclined in one belt. Easy to clean and repair module by module, they are the standard choice for food, beverage and pharma lines.

- Modular plastic belt: straight, curved, inclined
- Wash-down and hygienic design
- Repair by replacing single modules
- Positive sprocket drive, no belt tracking
- Flights and side guards as required

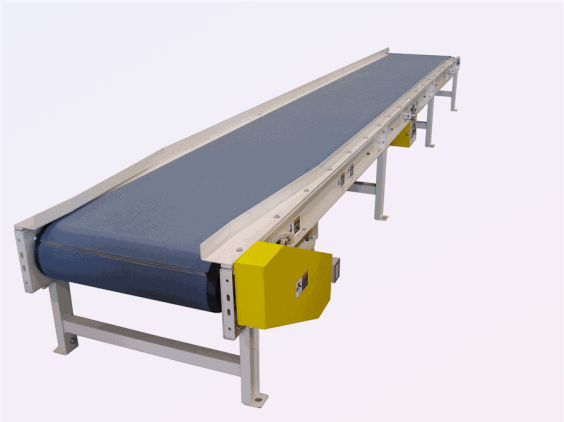
APPLICATIONS

Food processing · Beverages · Pharma · Dairy

BUILD OPTIONS

Belt	Modular plastic, open or closed
Frame	SS or aluminium
Layout	Straight, curved, inclined

16



De-Stalker Conveyor

Feed, de-stalk and inspect produce in one continuous line.

A food-grade conveyor line for de-stalking produce such as chillies. A hopper and feed belt spread the produce evenly into the de-stalking unit, and an inspection belt lets operators pick out remaining stalks and rejects before packing.

- Even feeding from hopper to de-stalking unit
- Food-grade belts and SS contact parts
- Inspection belt with picking stations
- Variable speed matched to processing capacity
- Easy-clean, wash-down friendly design

APPLICATIONS

Chilli processing · Spice industry · Fruit & vegetables · Agro processing

BUILD OPTIONS

Belt	Food-grade PU, PVC or modular
Frame	SS or MS (powder coated)
Add-ons	Hopper, inspection lights, reject bins

Packaging machinery

17



BOPP Taping Machine (Carton Sealer)

Neat, strong carton sealing with BOPP tape, at line speed.

Folds the flaps and applies BOPP tape to the top and bottom of each carton as it passes through. Faster and more consistent than hand taping, with less tape wasted.

- Top and bottom taping in one pass
- Quick width and height adjustment
- Side belt or bottom belt drive
- Consistent tape length and tension
- Inline with conveyors, weighing and strapping

APPLICATIONS

FMCG · E-commerce · Pharma · Manufacturing

BUILD OPTIONS

Sealing	Top & bottom BOPP tape
Carton	Adjustable range
Mode	Standalone or inline

18



Stretch Film Wrapping Machine (Manual / Automatic)

Stable, protected pallets for storage and transport.

A turntable rotates the pallet while a film carriage travels up and down the mast, wrapping the load in stretch film. Available as manual/semi-automatic models and fully automatic models for inline use.

- Manual / semi-automatic and automatic models
- Turntable with adjustable speed
- Film carriage with tension control
- Top and bottom extra wraps for stability
- Inline with pallet conveyors (automatic)

APPLICATIONS

Warehousing · Beverages · Chemicals · Building materials

BUILD OPTIONS

Model	Manual / semi-auto / automatic
Film	Stretch film, as per load
Pallet	As per your load size

Packaging machinery



Strapping Machine

Tight, consistent straps on every carton and bundle.

Wraps PP strap around a carton or bundle, tensions it and seals the joint. Keeps boxes closed and bundles together in transit. Semi-automatic and automatic arch models.

- Automatic tensioning and sealing
- Fast strap feed and cycle
- Semi-automatic and automatic arch models
- Inline after carton sealing
- Simple controls, minimal training

APPLICATIONS

Logistics · Printing & paper · Textiles · Manufacturing

BUILD OPTIONS

Model	Semi-automatic or automatic
Strap	PP, width as per use
Mode	Standalone or inline



Shrink Wrap Tunnel

A tight, clear, tamper-evident pack.

Products wrapped in shrink film pass through a heated tunnel on a conveyor, where controlled hot air shrinks the film tightly and evenly around bottles, boxes and multipacks.

- Precise temperature control
- Adjustable tunnel airflow and conveyor speed
- Even, wrinkle-free finish
- Tamper-evident multipacks
- Pairs with L-sealer or sleeve wrapper

APPLICATIONS

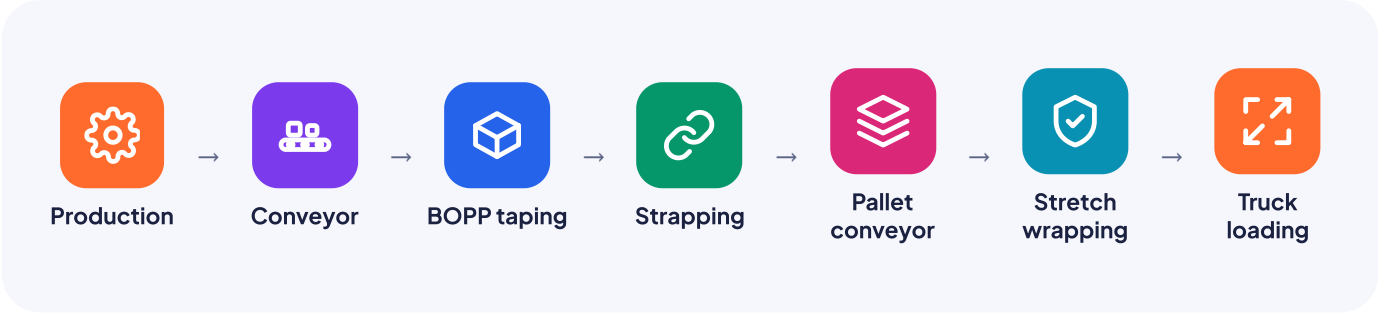
Beverages · Cosmetics · Food packs · Stationery & media

BUILD OPTIONS

Film	POF, PVC or PE
Conveyor	Roller, mesh or as required
Control	Temp. and speed control

Complete line solutions

Most delays on a packaging line happen between machines. We design conveyors and packaging machines together, so heights, speeds and controls match at every transfer.



Materials of construction

Mild steel (MS)

Powder coated or painted. Economical and strong for dry industrial areas and heavy loads.

Stainless steel (SS)

For food, pharma, wash-down and corrosive areas. Easy to clean, no paint to chip.

Aluminium profile

Light and modular for assembly lines and light loads; easy to modify later.

Drives & controls

- Geared motors sized to the load
- VFD variable speed control
- Product sensors, counters and stoppers
- Emergency stops, pull cords and guarding
- Forward / reverse operation
- PLC integration with your machines

Share these for an accurate quote

- Product size and weight (smallest and largest)
- Output per hour, including peak
- Layout: lengths, heights, curves, photos or video
- Environment: dry, wash-down, hot, dusty
- Controls and connections needed
- Supply only, or with installation

OUR CLIENTS

Trusted by industry leaders

alltime

VARDHMAN PLASTOCHEM

SSF PLASTICS PROGRESS THROUGH PARTNERSHIP

RISHABH makes life easy

Meril More to Life

KAIRISH Innotech

PRINCE PIPES

Rishi Techtex Limited

JAKSON

After-sales support

Installation & commissioning

Our team installs, aligns, tests and hands over every system, with operator training.

Preventive maintenance

Scheduled checks of belts, chains, bearings and drives to avoid breakdowns.

Spares & quick service

Spare parts and fast response from our base in Vapi.

Upgrades & extensions

Add conveyors, machines and controls to your line as you grow.

“Quality you can rely on, delivered on time.”

THE FALCON AUTOMATION PROMISE

FALCON
AUTOMATION

Let's build your next line.

Tell us what you need to move, pack or automate. We reply within one business day.

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- Strapping Machine
- Shrink Wrap Tunnel

Specifications are engineered to each requirement and confirmed in our quotation. Some product images are representative or AI-generated and show similar equipment; actual machines are built to your requirement.

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