

CUSTOM MATERIAL HANDLING

Conveyors built around your business.

From individual transfers to complete conveyor networks.
Designed for your product, process, space and operating environment.



Your product

Load and surface

Your layout

Route and height

Your environment

Material and protection

POULTRY • FOOD & PRODUCE • PACKAGING • INDUSTRY

A BROADER CONVEYOR CAPABILITY

One range. Many industries.

The conveyors shown are a sample of what we make, are developing or can build. Tell us what needs to move, and we can define the right system.

Poultry & egg handling

Egg collection, egg trays, crates and connections between processing machines.

Fruit, vegetables & food

Produce handling, washing-line connections, grading feeds and packing-room movement.

Packaging & manufacturing

Cartons, containers, components and work-in-progress between stations.

Warehousing & logistics

Crate and box movement between packing, staging and dispatch areas.

EXPLORE THE RANGE

03 Belt conveyors

04 Roller conveyors

05 Modular & curved conveyors

06 Transfers, diverts & buffers

07 Wash-down conveyors

08 Incline & elevating conveyors

09 Egg-collection conveyors

10 Materials, surfaces & protection

11 Plan your conveyor

Custom builds, beyond these examples

Steel, stainless steel, mild steel or aluminium, with conveying surfaces chosen for the task.

01 / BELT CONVEYORS

Belt conveyors

A continuous carrying surface for trays, cartons, crates, components and suitable loose products.



WHERE IT CAN BE USED

- Poultry packing: move egg trays and crates between workstations.
- Food and produce: connect inspection, packing and dispatch stations.
- Manufacturing: convey cartons or parts through an assembly workflow.

BUILD OPTIONS

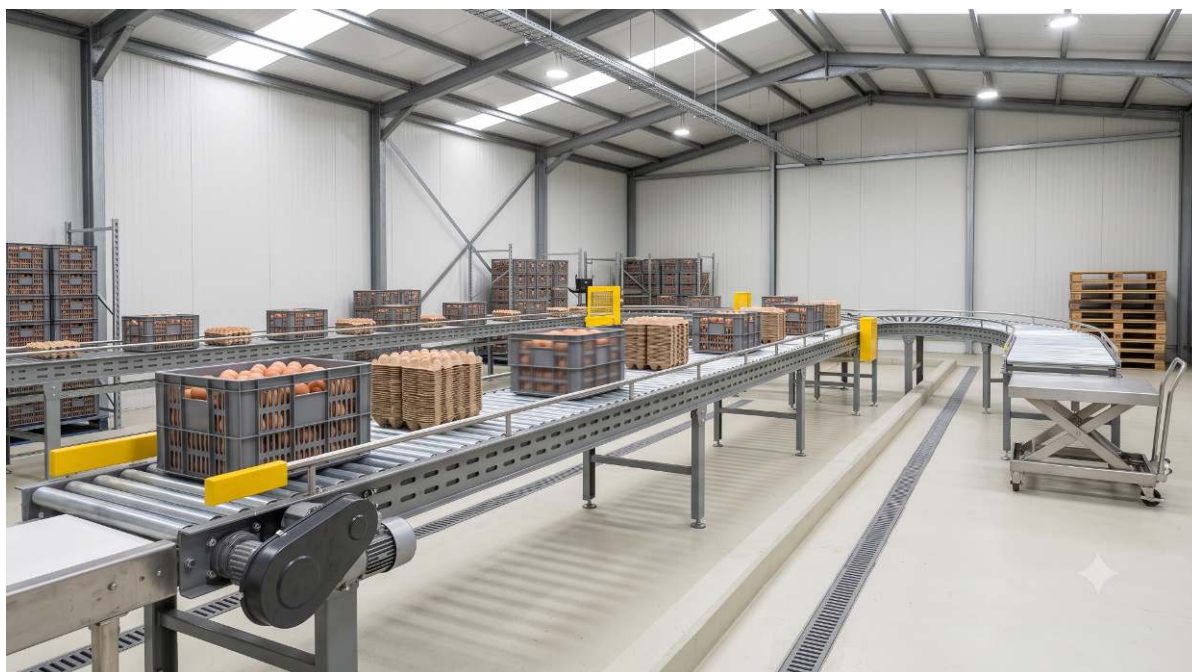
- Continuous support for the product.
- Straight, inclined or declined layouts.
- Guides and transfer ends suited to the load.

CONFIGURATION	OPTIONS / DESIGN INPUTS
Belt surface	PVC, PU or other task-specific surface
Frame	Mild steel, stainless steel or aluminium
Layout	Length, width, height and slope to order
Drive & load	Speed and drive sized for the product

02 / ROLLER CONVEYORS

Roller conveyors

For boxes, crates and other loads with a stable, rigid base, using driven or gravity rollers.



WHERE IT CAN BE USED

- Packing halls: move crates and boxes between stations.
- Warehouses: connect staging, inspection and dispatch areas.
- Factories: transfer suitable rigid-base containers or components.

BUILD OPTIONS

- Driven or gravity operation.
- Straight sections and planned curves.
- Stops and guides to suit container flow.

CONFIGURATION	OPTIONS / DESIGN INPUTS
Rollers	Diameter, pitch and surface to suit the base
Drive	Gravity or powered arrangement
Frame & route	Steel, stainless steel or aluminium; custom route
Duty	Load per item, line load and speed specified

03 / MODULAR & CURVED CONVEYORS

Modular & curved conveyors

Flexible routes for production spaces that need bends, return runs or connections around obstacles.



WHERE IT CAN BE USED

- Produce pack houses: route crates around workstations and columns.
- Food processing: use a suitable modular surface in wet or dry areas.
- General factories: connect equipment where a straight route will not fit.

BUILD OPTIONS

- Plastic modular or suitable slat surfaces.
- Curves designed around the chosen belt.
- Product guides and transfer geometry to suit.

CONFIGURATION	OPTIONS / DESIGN INPUTS
Surface	Plastic modular or slat configuration
Geometry	Curve radius, angle and route to order
Environment	Dry or wet-area build as specified
Integration	Transfer gaps, heights and speeds matched

04 / TRANSFER & ACCUMULATION

Transfers, diverts & buffers

Connect conveyor runs, redirect containers and provide planned buffers between process stages.



Transfer arrangement

WHERE IT CAN BE USED

- Poultry packing: redirect egg crates between handling lanes.
- Packaging: divide a flow between two packing destinations.
- Manufacturing: link machines with different discharge directions.

Alternative application view

BUILD OPTIONS

- Right-angle or inline transfers.
- Sensors and controlled hand-offs as required.
- Buffer sections sized for the process.

CONFIGURATION	OPTIONS / DESIGN INPUTS
Arrangement	Inline, right-angle, divert or accumulation
Actuation	Powered transfer; pneumatic option if required
Control	Sensors, sequencing and line interlocks
Sizing	Container dimensions, rate and buffer time

05 / WASH-DOWN CONVEYORS

Wash-down conveyors

Conveyor systems configured for wet processing and the cleaning routine of the installation.



WHERE IT CAN BE USED

- Fruit and vegetable lines: move produce between wet-process stages.
- Food packing: connect equipment in regularly cleaned areas.
- Poultry facilities: use a suitable hygienic build in wet egg rooms.

BUILD OPTIONS

- Drainable frames and accessible cleaning areas.
- Belt and metal selection for the process.
- Protected drives, sensors and enclosures.

CONFIGURATION	OPTIONS / DESIGN INPUTS
Frame & finish	SS304; SS316 option for specified conditions
Surface	Suitable open modular, belt or steel surface
Electrical protection	IP rating selected for the wash method
Cleaning duty	Water pressure, temperature and chemicals

06 / INCLINE & ELEVATING

Incline & elevating conveyors

Move suitable products between levels, from a low feed point to an elevated machine or work area.



WHERE IT CAN BE USED

- Produce processing: lift fruit or vegetables to a grading feed.
- Packaging: carry suitable packs between working heights.
- Industrial handling: elevate suitable components or bulk material.

BUILD OPTIONS

- Cleats, flights or sidewalls as required.
- Feed and discharge arranged for the product.
- Incline and speed planned to limit rollback.

CONFIGURATION	OPTIONS / DESIGN INPUTS
Geometry	Lift height, incline and horizontal footprint
Surface	Belt, modular or flighted arrangement
Retention	Cleat spacing and sidewalls to suit product
Performance	Load, feed rate and speed selected per duty

07 / POULTRY EGG COLLECTION

Egg-collection conveyors

Purpose-built connections for poultry egg handling, planned around the collection route and the equipment at each end.

CURRENT BUILD

Actual conveyor photograph supplied by Hybrid Agrobots. Under construction for poultry egg collection.

POTENTIAL USES

- Link collection equipment to the egg handling area.
- Route eggs through planned straight and curved sections.
- Feed downstream inspection or grading equipment.

DESIGN AROUND THE EGG

Specify egg size range, collection rate, support geometry, guides and transfer gaps. Confirm speed coordination and gentle hand-off requirements with the adjoining machines.



Configured for your poultry line

Width, length, bends, discharge height and drive arrangement are defined for the installation.

The pictured conveyor is a current build. Final capacity and operating specifications are agreed for the project.

MATERIALS, SURFACES & ENVIRONMENT

Choose the right build.

A conveyor is configured as a complete system: frame, carrying surface, drive, controls and environmental protection.

Mild steel

For general industrial and dry-area duties; painted, powder-coated or galvanised finishes as specified.

Stainless steel

SS304 for suitable food and wet-area duties; SS316 considered for more demanding chemical or salt exposure.

Aluminium

For suitable lightweight systems, modular frames and production layouts where a lower frame weight is useful.

CONVEYING SURFACES

PVC and PU belts • Plastic modular belts • Rollers • Steel rods or slats
Cleated and sidewall belts • Other surfaces selected for your product

WATER & CORROSION PROTECTION

Water-resistant or wash-down builds are available to the specified duty. Material grade, finish, bearings, motors, cables and electrical enclosures are selected together. The required IP rating and cleaning conditions form part of the quotation.

Specify the environment at the start

Tell us about moisture, outdoor exposure, temperature, salt, cleaning chemicals and wash pressure.

FROM REQUIREMENT TO QUOTATION

Plan your conveyor.

A sketch, site photograph or existing machine layout is enough to start the conversation.

- | | | |
|-----------|---------------------------|---|
| 01 | What moves? | Product, size, weight, base shape and fragility. |
| 02 | How much? | Required rate, load per item and maximum line load. |
| 03 | Which route? | Length, width, bends, lift height and available space. |
| 04 | Which environment? | Dry, wet, wash-down, outdoor or corrosive exposure. |
| 05 | Which connections? | Feed/discharge heights, speeds and existing machine interfaces. |
| 06 | Which controls? | Start/stop, speed adjustment, sensors and sequencing. |
| 07 | Which services? | Supply, installation, commissioning and maintenance access. |

Every quotation defines the agreed dimensions, duty, materials, drive and protection requirements. These examples show the range of possibilities; the final conveyor is designed for your application.

Request a conveyor consultation

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