

ALLIGATOR®

A u t o m a t i o n s





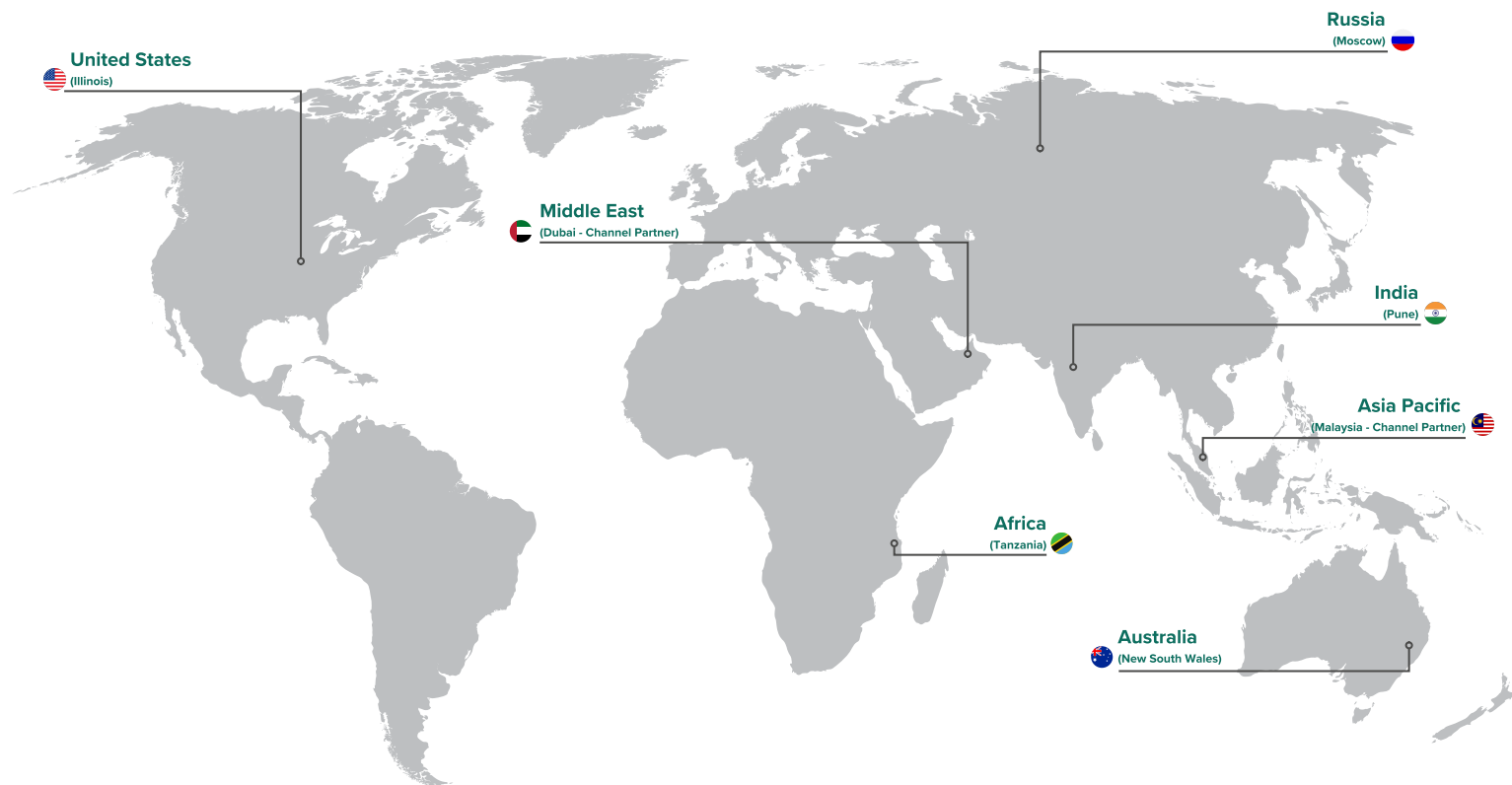
About Alligator Automations

Alligator is an engineering company supplying and commissioning turnkey project solutions for various end of line packaging needs in the market. We empower the best technology practices in the industry to drive success through innovation.

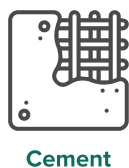
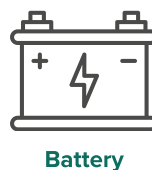
At Alligator Automations, our capability lies in our diverse in-house engineering teams, specialising in control, software, design, application, and project management. Over the past 17+ years, we've devoted ourselves to innovation and research, making a mark in end-of-line packaging automation and serving various industries with our solutions.



Global Presence



Industries Served





Automatic Truck Loading System

Bagging Machine

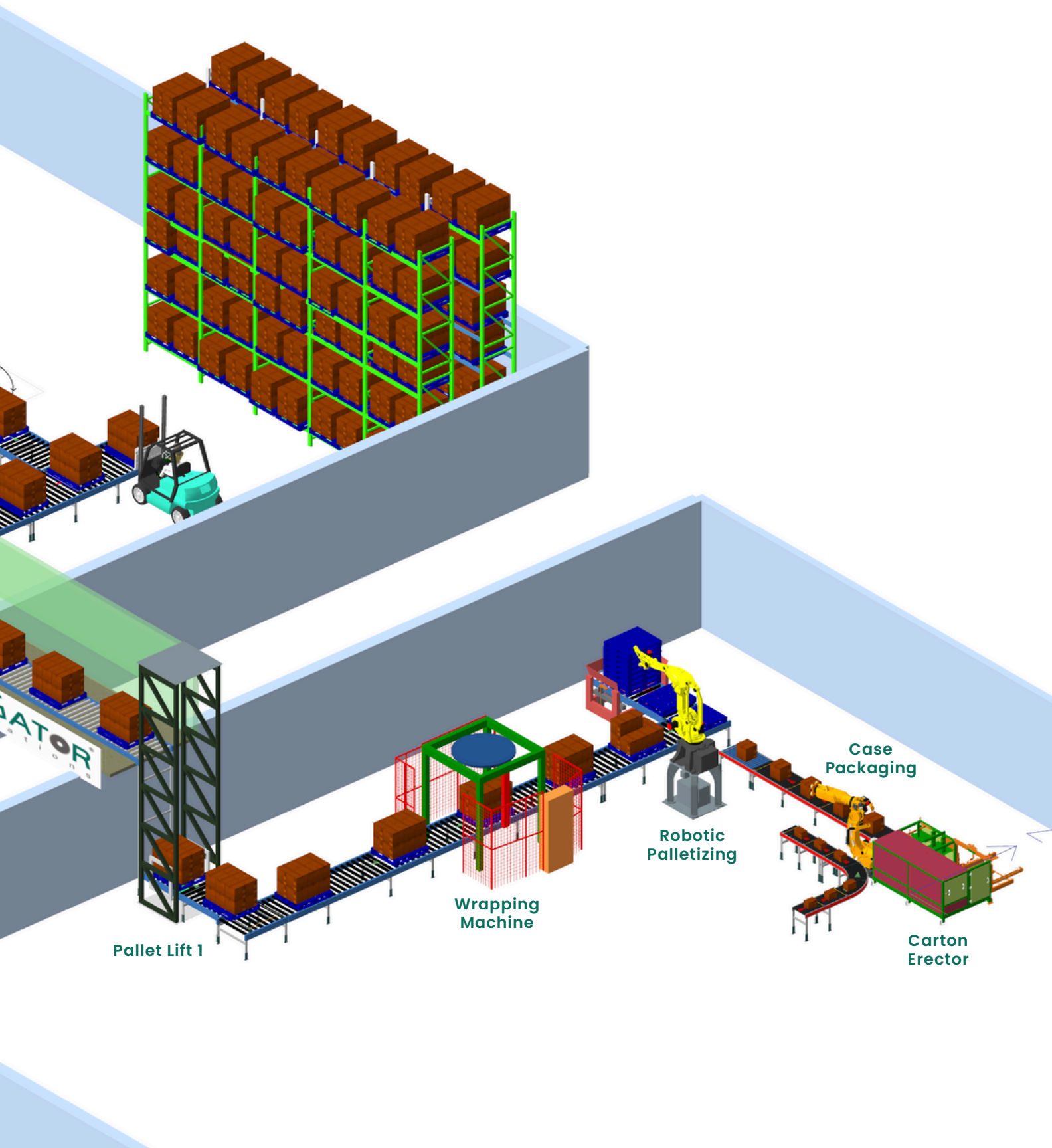
Robotic Palletizing

RGV's

Pallet Lift 2

Overhead Pallet Conveyor Bridge

END OF LINE PACKAGING SOLUTIONS



Our Products



Automatic Bagging Solutions

Fully automatic high-performance bagging machines for open-mouth and FIBC jumbo bags.



Secondary Packaging Solutions

Automated end-of-line solutions for bag-in-bag, case packing, shrink wrapping, and case erecting.



Palletizing Solutions

Versatile palletizing solutions with adaptive grippers and vision-enabled control—ideal for bags, boxes, drums, and more.



Intralogistic Conveyor Solutions

Tailored conveyor solutions for tyres, pallets, and mixed product lines—engineered for seamless material flow.



Automatic Truck Loading System

High-speed truck loading systems that cut loading time, reduce labor, and enhance safety and dispatch efficiency.

Automatic Bagging Solutions

Alligator Automations is a leading provider of industrial bag packaging machines, with expertise in handling bags from 10 kg to 2000 kg.



[Know More](#)



Open Mouth Filling Machine

Open-Mouth Filling Systems are used to package a wide range of materials and bulk products. In this process, an empty bag is placed under the fill spout and on a weighing scale. Once filled, the bag is released and falls onto the sewing conveyor belt.

Specifications

Filling/Weight: 10-50 kg
Suitable for: Seeds, Grains & Pulses, Powders & Granules
Speed: Upto 20 bags/min (depends on the product)
Type of Feeder: Belt, Screw, Vibratory & Gravity
Bag Type: Polywoven bag, LDPE, HDPE, Paper bag

Benefits

- Achieve packaging speeds not possible manually.
- Increase productivity and uptime significantly.
- Guarantee 98% uptime for enhanced operating efficiency.
- Ensure continuous operation with 24x7 capability.
- Pack grains, powder, and other products in pre-formed bags efficiently.



Powder



Pallet



Pulses



Granules



Flakes

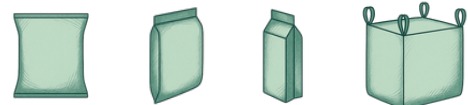


Big Bag Filling Machine

We offer a versatile range of Bulk Bag Fillers, available in semi-automatic and fully automatic options, with capacities ranging from 500kg to 2000kg. Suitable for various project scales and budgets, our Bulk Bag Fillers precisely package dry granular, flakes, or powdered materials.

Specifications

Weight Range: 500-2000 Kg
Suitable for: Granular, flake, powder, pellet
Speed: Upto 40 bags/hour
Bag Type: Bulk bags
Bag Material: Woven/polypropylene



Industries Served

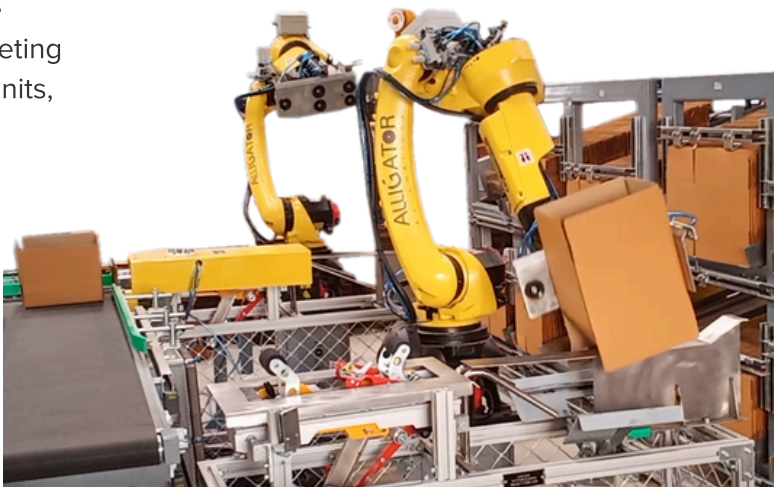
- Food & Beverage
- Animal Feed
- Fertilizers
- Agro Commodities
- Chemical
- Seeds Packaging

Secondary Packaging Solutions

Secondary packaging provides an additional protective barrier for products, serving as a safeguard and a marketing tool. This layer is designed to properly group multiple units, ensuring secure transit to warehouses or retail outlets.



[Know More](#)



Bag in Bag Solution



Case Packaging Solution

We offer a high-speed automated solution designed to arrange up to 120 pouches per minute in a vertical stack within an open-mouth bag. The system offers flexible configuration options, including single row, dual row, or staggered two-row layouts, tailored to specific packaging needs.

Specifications

Pouch Weight: 0.2–5 kg
Secondary Bag: 5–50 kg
Speed: Infeed - 2,400–9,000 pouches/hour Outfeed - 360–720 bags/hour
Material Type: Grain, Powder, Paste, Sugar etc.
Bag Material: PE, HDPE, Paper, Woven Bag

Features & Benefits

- Automatic collating and Auto counter system
- Single machine can handle multiple product variants
- Overcome manual and disorderly packaging
- Centralized data logging system
- Auto secondary package handling
- Guarantee 98% uptime for enhanced operating efficiency

We offer reliable solutions for erecting, packing, and sealing 60-480 cartons/hour. With flexible options such as drop-down, pick-and-place, robotic, and semi-automatic systems, our machines adapt to various product types and packaging needs, all customizable to fit your production goals and budget.

Specifications

Payload: 60 kg
Speed: 60–480 cartons/hour
Product Type: Pouches, bottles, cases, cups, cones, candies, bars, glass bottles etc.
Case Type: Regular slotted cartons, Around cases
Add Ons: Carton Erectors, Shrink Wrapper

Industries Served

- FMCG
 - Food & Beverage
 - Agro Commodities
- Seeds Packaging
 - Dairy Products
 - Chemical & Fertilizers



Bag



Bottle



Snacks



Tetra Pack



Cans



Case in Case Packaging Solutions



Shrink Wrapping Solutions

Open-Mouth Filling Systems are used to package a wide range of materials and bulk products. In this process, an empty bag is placed under the fill spout and on a weighing scale. Once filled, the bag is released and falls onto the sewing conveyor belt.

Specifications

Speed: Upto 25 cases/min

Construction Material: Rigid MS powder-coated tubular frame structure.

Conveyors of SS304 / Aluminium

Machine Size: L: 5770 mm

W: 3200 mm

H: 2400 mm

Sealing Type: Seal/Gluing

We offer a versatile range of Bulk Bag Fillers, available in semi-automatic and fully automatic options, with capacities ranging from 500kg to 2000kg. Suitable for various project scales and budgets, our Bulk Bag Fillers precisely package dry granular, flakes, or powdered materials.

Specifications

Speed: Upto 20 packs/min

Construction Material: Rigid MS powder-coated tubular frame structure

Machine Size: L: 1400 mm

W: 2200 mm

H: 2000 mm

Heating Tunnel: Available



Industries Served



FMCG



Dairy Products



Food &
Beverage



E-commerce
Industry



Oil & Paints
Industry



Chemical
Industry



Agro
Commodities



Automobile
Industry



Cement
Industry



Seed
Industry



Battery
Industry



Fertiliser
Industry

Palletizing Solutions

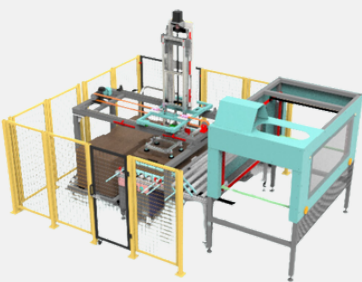
Versatile palletizing solutions with adaptive grippers and vision-enabled control. Ideal for bags, boxes, drums, and more.



Know More



Robotic Palletizer



Gantry Palletizer

Our robotic palletizer systems automate the stacking of bags, cases, bottles, and more, maximizing efficiency and precision. Flexible for any layout, they are customizable to your space and product needs, ensuring reliable and safe operations in any warehouse or production line.

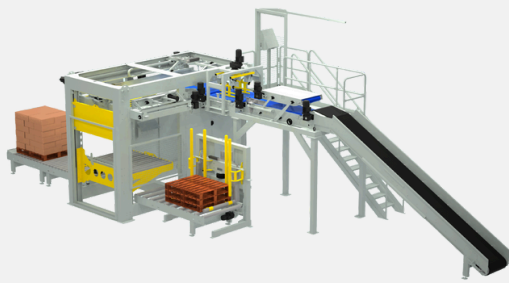
Specifications

Payload: 5Kg – 100Kg (Customized)
System Design: Pallet on conveyor & Pallet on ground
Product Handled: Bags, cases, bottles, shrink packs, buckets, drums, totes, etc
Layout Type: Customized
Type: 1 in/1 out, 2 in/2 out, 3 in/3 out or customized
Product size range: 100mm – 1000mm L, 100mm – 1000mm W, 50mm – 500mm H

Our gantry palletizer systems provide fast, precise, and quiet stacking for a diverse range of products. With flexible, robust designs, they efficiently optimize warehouse and production workflows, adapting to your space and throughput needs for reliable, automated palletizing solutions.

Specifications

Payload: 5Kg – 500Kg
Speed: Customized
Product Handled: Bags, cases, bottles, shrink packs, buckets, drums, totes, etc
Layout Type: Customized
Type: 1 in/1 out, 2 in/2 out or customized
Product size range: 100mm – 1000mm L, 100mm – 1000mm W, 50mm – 500mm H



High Level Palletizer



Low Level Palletizer

The High-Level Infeed Palletizer automates the stacking of bags, cases, and shrink packs for fast and reliable end-of-line palletizing. Its robust, vertical design and adaptable layout ensure smooth handling of varied products, supporting high throughput, optimal space use, and safe operations - ideal for enhancing productivity in modern warehouses and manufacturing facilities

Specifications

Payload: 5Kg – 200Kg

Speed: 30-60 products/min

Product Handled: Bags, cases, shrink packs, etc

Layout Type: Customized

Type: 1 in/1 out or customized

Product size range: 100mm – 600mm L,
100mm – 600mm W,
50mm – 400mm H

The Low Level Palletizer automates the stacking of bags, cases, and shrink packs at floor level for efficient end-of-line operations. It handles payloads from 5kg to 200kg, supports up to 40 cases or bags per minute, and offers customizable layouts - delivering reliable, space-saving palletizing for varied warehouse and manufacturing needs

Specifications

Payload: 5Kg – 200Kg

Speed: 20-40 products/min

Product Handled: Bags, cases, shrink packs, etc

Layout Type: Customized

Type: 1 in/1 out or customized

Product size range: 100mm – 600mm L,
100mm – 600mm W,
50mm – 400mm H

Industries Served



Agro
Commodities



Fertiliser
Industry



Food &
Beverage



Chemical
Industry



Oil & Paints
Industry



Petrochemical
Industry



FMCG



Tyre
Industry



Cement
Industry



Seed
Industry



Appliances
Industry



E-commerce
Industry



Automobile
Industry



Battery
Industry



Paper
Industry



Hybrid Palletizer

The Hybrid Palletizing System by Alligator Automations combines robotic precision with a high-level palletizer featuring a compactor. It handles bags, cases, and shrink packs with payloads from 5kg to 200kg and speeds of 10-20 cases or 20 bags per minute. Customizable and efficient for a wide range of palletizing needs.

Specifications

Payload: 5Kg – 200Kg

Speed: 10-20 cases/min
20 bags/min

Product Handled: Bags, cases, shrink packs, etc

Layout Type: Customized

Type: 1 in/1 out or customized

Product size range: 100mm – 600mm L,
100mm – 600mm W,
50mm – 400mm H

Features & Benefits of Palletizing Solutions

- Can handle multiple products with common end-of-arm tooling/gripper
- Handles diverse product types and payloads flexibly
- IoT-enabled platform
- Adaptable to changing product and palletizing patterns
- Zero Manual Handling – minimizes injury risk
- High-precision palletizing with higher speed throughput

Product Type Handled



Bag Palletizing



Box Palletizing



Crates Palletizing



Bucket Palletizing



Bottle Palletizing



Blocks Palletizing



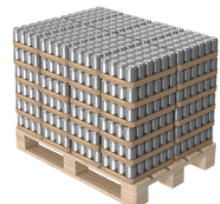
Gallon Palletizing



Tin Palletizing



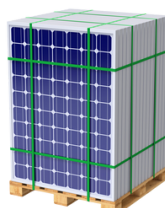
Drum Palletizing



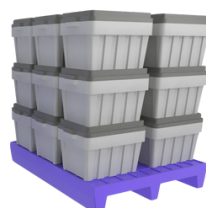
Tray Palletizing



Tire Palletizing



Solar Panel Palletizing



Totes Palletizing



Glass Bottle Palletizing

Intralogistic Conveyor Solutions

Tyre Handling Solutions

Optimize your Tyre production with our specialized conveyor systems, designed to handle materials from start to finish with efficiency and care. Featuring precision control, our solutions reduce manual operating, minimize waste, and ensure smooth, reliable movement throughout the process.

Specifications

Conveyor Type: Belt, Roller, Modular

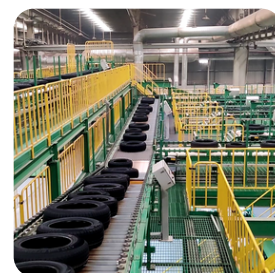
Type of Tyres: 2 Wheeler, PCR & TBR Tyres

Load Capacity: 200 kg (Customizable)

Speed (m/min): 10-50m/min

Belt material: Rubber, PVC, Plastic

Sorting System: Yes



Pallet Handling Solutions

Boost throughput with our pallet-handling conveyors, ideal for moving large, heavy products. Alligator Automations delivers safe, cost-effective systems that reduce manual lifting and streamline operations. Work with our engineers to integrate the perfect solution, standalone or fully automated.

Specifications

Load Capacity: 300 - 2000 kg

Speed: Up to 50m/min

Speed: Up to 25m/min

Pallet sizes: 1200 X 1000mm (Customizable)

Conveyor types: Chain Conveyors, Roller Conveyor, Belt Conveyor, Accumulating Roller Chain Conveyors, Popup Conveyors.



Product Handling Solutions

We offer conveyors for cases, bags, bottle buckets, and crates, designed to streamline movement, sorting, and staging in warehouses. With belt, accumulation, and live roller options, our systems adapt to varying space and speed requirements while handling a wide range of product types with ease.

Specifications

Load Capacity: 2 kg to 100 kg

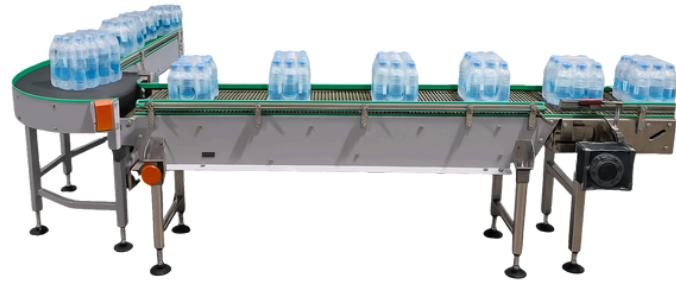
Throughput: Upto 6000 cases/bag/crate per hr

Speed: 70m/min

Material: Steel, Aluminum, Conveyor belt

Product sizes: Min: 30cm x 20cm x 10cm
Max: 60cm x 40cm x 50cm

Product types: Corrugated cardboard boxes, Woven polypropylene bags, Plastic crates.



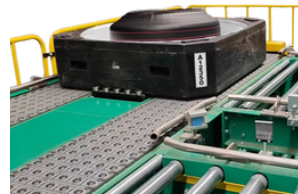
Product Type Handled



FBR Conveyor



Sorter Conveyor



Pallet Diverter



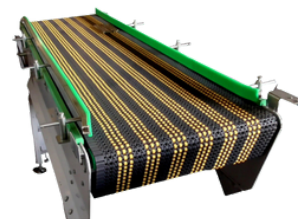
Pop Up Conveyor



Cross Transfer Conveyor



Turn Table Conveyor



Modular Belt Conveyor



Inclined Belt Conveyor



Spiral Conveyors



Shuttle



Roller Conveyor



RGV

Automatic Container Loading System

Our fully integrated Automatic Container Loading System is engineered to maximize loading efficiency, minimize human intervention, and elevate dispatch reliability.



[Know More](#)



Specifications

Load platform size: L: 5 – 10 Mtr, W: 2 – 2.5 Mtr (custom options)
Load Weight: 10 T – 32 T
Loading Time: 2-3 Trucks per hour
Operation Type: Semi-automatic, Fully automatic
Load Plate Flexibility: Automatic height & lateral adjustment
Load preparation: Manual by forklift, Robotic de-palletizing, Load tilter, Hybrid load preparation (Various options available as per user requirement)

Features & Benefits

- Fast loading cycle of less than 10 minutes
- Adaptability to different truck types
- IoT-enabled system
- Data integration at different levels
- **Zero Manual Handling** – minimizes injury risk
- **Consistent Pallet Placement** every cycle
- **Works with Multiple Dock Heights**
- **70% Reduction** in truck loading time

Industries Served



Agro
Commodities



Petrochemical
Industry



Food &
Beverage



Chemical & Fertiliser
Industry



Cement
Industry



Seed
Industry



FMCG



Paper
Industry



Pallet Load Inverter



Buffer Conveyor



Load Plate



Rail Guided Vehicle



Pallet Load Turning
Unit



Load Pairing Unit



Lifter for Load
Doubling

Our Customers



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