



ALLIGATOR[®]

A u t o m a t i o n s

INNOVATING PACKAGING TRENDS



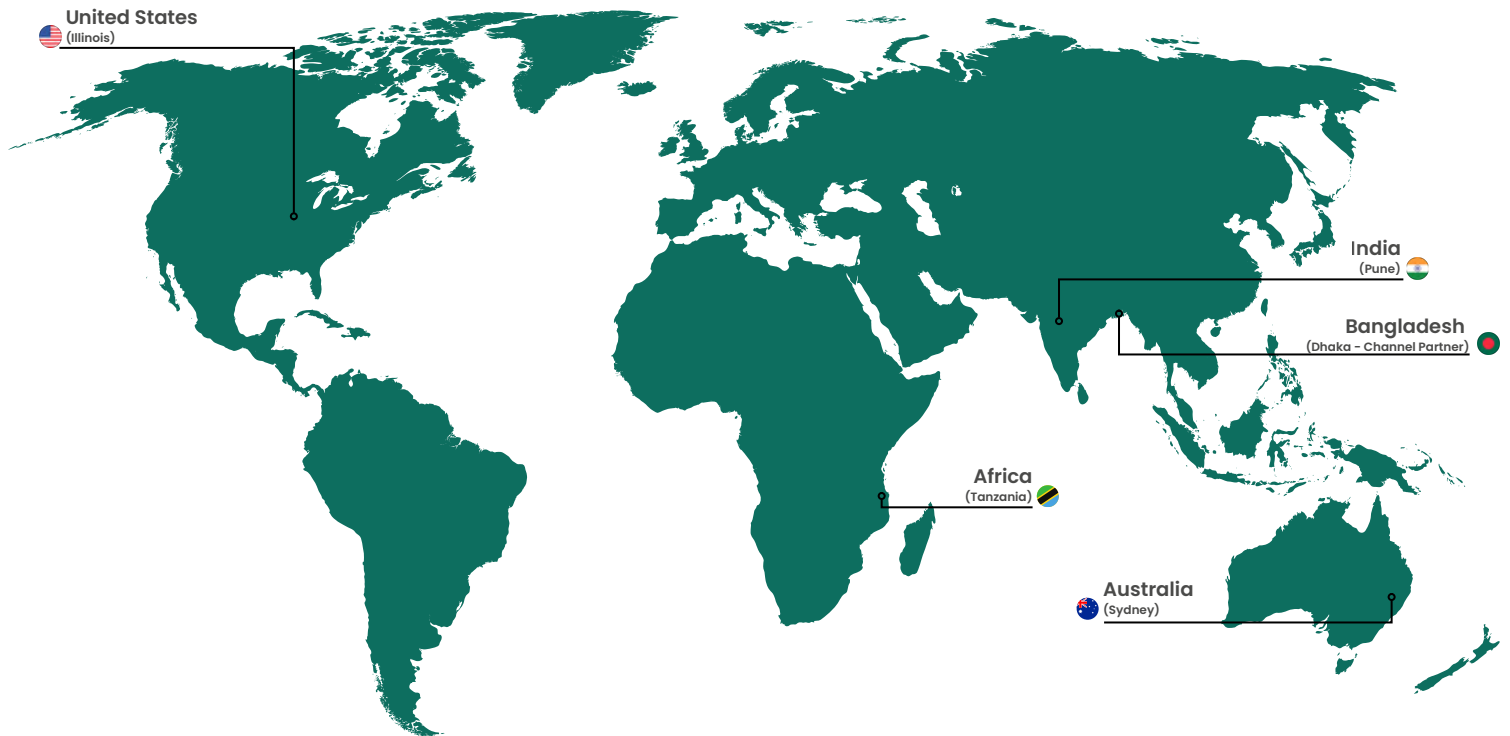
Automatic Bagging Solutions | Secondary Packaging Solutions | Palletizing Solutions
Intralogistic Conveyor Solutions | Automatic Truck Loading Solutions

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 18+ 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



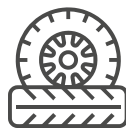
Agro
Commodities



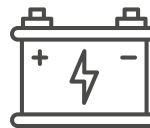
Chemical &
Fertilizers



Food &
Beverage



Tyre Industry



Battery



Petrochemical



Papers &
Battery



Cement



Oil & Paints



FMCG



E-commerce



Appliances



Automobile



Seed

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/Container Loading System

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



END OF LINE PACKAGING SOLUTIONS

- | | |
|------------------------------|---|
| 1 - Carton Erector | 6 - Mezzanine |
| 2 - Case Packaging | 7 - RGV's |
| 3 - Robotic Case Palletizing | 8 - Bagging Machine |
| 4 - Wrapping Machine | 9 - Robotic Bag Palletizing |
| 5 - Pallet Lift | 10 - Automatic Truck/Container Loading System |



Automatic Bagging Solutions

Open-Mouth Filling Systems

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

Speed: Upto 20 bags/min (depends on the product)

Type of Feeder: Belt, Screw, Vibratory & Gravity

Suitable for: Seeds, Grains & Pulses,
Powders & Granules

Bag Type: Polywoven bag, LDPE, HDPE, Paper bag



Big Bag Filling Solutions

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

Speed: Upto 40 bags/hour

Suitable for: Granular, flake, powder, pellet

Bag Type: Bulk bags

Bag Material: Woven/polypropylene



Secondary Packaging Solutions

Bottle Case Packer

Simplified mechanical design with quick changeover, PLC control, and touchscreen HMI. Ensures reliable, high-speed performance and is fully customizable to fit diverse and evolving packaging needs.

Specifications

Speed: Upto 150 bottles/min
Payload: 100 kgs inclusive of Gripper Heads
Product Grippers: vacume/mechanical Gripper
Machine Size: L-2300 mm, W-3200 mm, H-2400 mm
Product Type: Glass bottles, Cups, Cones etc.
Sealing Type: Taping, Gluing.



Bag Case Packer

Efficiently handles multiple recipe sizes in a single setup. Ideal for pouches, cups, candies, bars, and similar products. Fast, flexible, and reliable; perfect for high-output FMCG and food industry packaging lines.

Specifications

Speed: 120 pouch/min
Case Size: MIN- 400mm x 300mm x 150mm Max- 650mm x 450mm x 375mm *other size ranges are available
Payload: 3kg inclusive of Gripper Heads
Product Type: Pouches, Candies, Bars etc.
Sealing Type: Taping, Gluing, Fast Fold, Fan Fold.



Secondary Packaging Solutions

Case in Case Packaging

A fully enclosed, high-performance packaging solution designed for safety and efficiency. Equipped with polycarbonate doors and integrated safety guarding, the system ensures operator protection. Safety sensors are interlocked with the software, enabling automatic shutdown and alerts in the event of unauthorized access or unsafe conditions.

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



Shrink Wrapping

Designed for high-speed, reliable packaging with automatic feeding, pushing, film wrapping, and sealing operations. Ideal for bottles, cans, beverages, cosmetics, and other wide-format consumer products. Ensures fast, flexible, and consistent packaging while maintaining product integrity and presentation.

Specifications

Speed: Upto 20 packs/min

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

Machine Size: L: 14000 mm
W: 2200 mm
H: 2000 mm

Heating Tunnel: Available



Secondary Packaging Solutions

Carton Erector

Our Compact High-Speed Case Erector is designed for efficient, precise, and continuous case forming in demanding production environments. With a fully cam-operated motion system, it ensures mechanical reliability, minimal maintenance, and smooth operation.

Specifications

Speed: Upto 20 cases/min
Case Size: L: 240-510 mm W: 190-400 mm H: 120-380 mm
Machine Size: L: 2400 mm W: 1250 mm H: 1850 mm
Machine weight: Approximate 500 kgs



Features & Benefits of Case Packaging Solution

- 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.

Product Type Handled:



Bag



Bottle



Snacks



Tetra Pack



Cans

Palletizing Solutions

Robotic 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



Gantry Palletizer

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

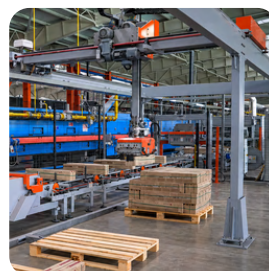
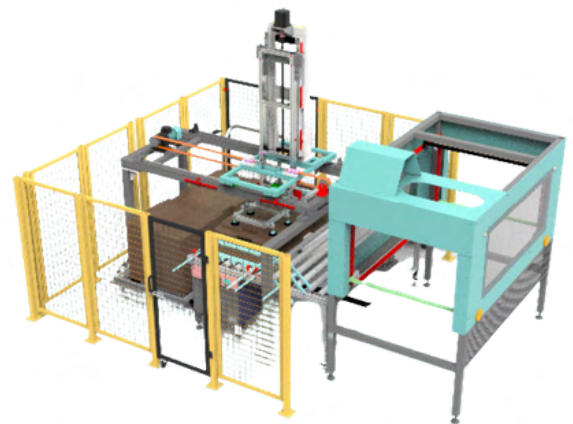
Speed: Customized

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



Palletizing Solutions

High 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



Low Level Palletizer

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



Palletizing Solutions

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



Product Type Handled:



Bag Palletizing



Box Palletizing



Crates Palletizing



Bucket Palletizing



Bottle Palletizing



Blocks Palletizing



Gallon Palletizing



Can Palletizing



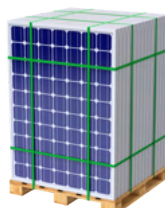
Drum Palletizing



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

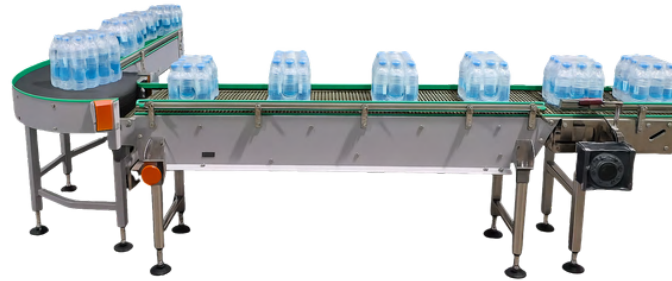
Throughput: Up to 6000 cases/bag/crate per hr

Speed: 10m/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.



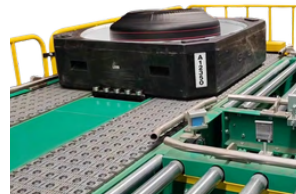
Product Type Handled



FBK Conveyor



Sorter Conveyor



Pallet Diverter



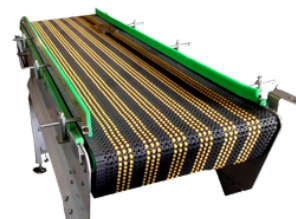
Pop Up Conveyor



Cross Transfer Conveyor



Turn Table Conveyor



Modular Belt Conveyor



Inclined Belt Conveyor



Spiral Conveyors



Shuttle



Roller Conveyor



RGV

Automatic Truck/Container Loading System

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

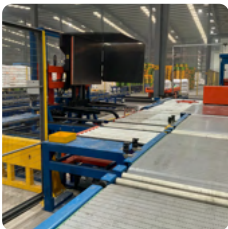


Specifications

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



Pallet Load
Inverter



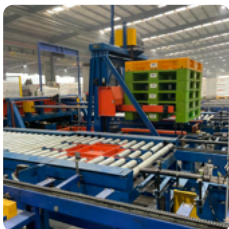
Buffer Conveyor



Load Plate



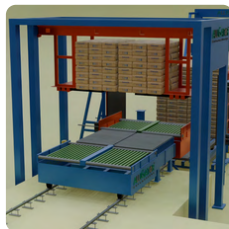
Rail Guided
Vehicle



Pallet Load
Turning Unit



Load Pairing
Unit



Litter for Load
Doubling

Trusted by Leading Global Manufacturers



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