

# ALLIGATOR®

A u t o m a t i o n s



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



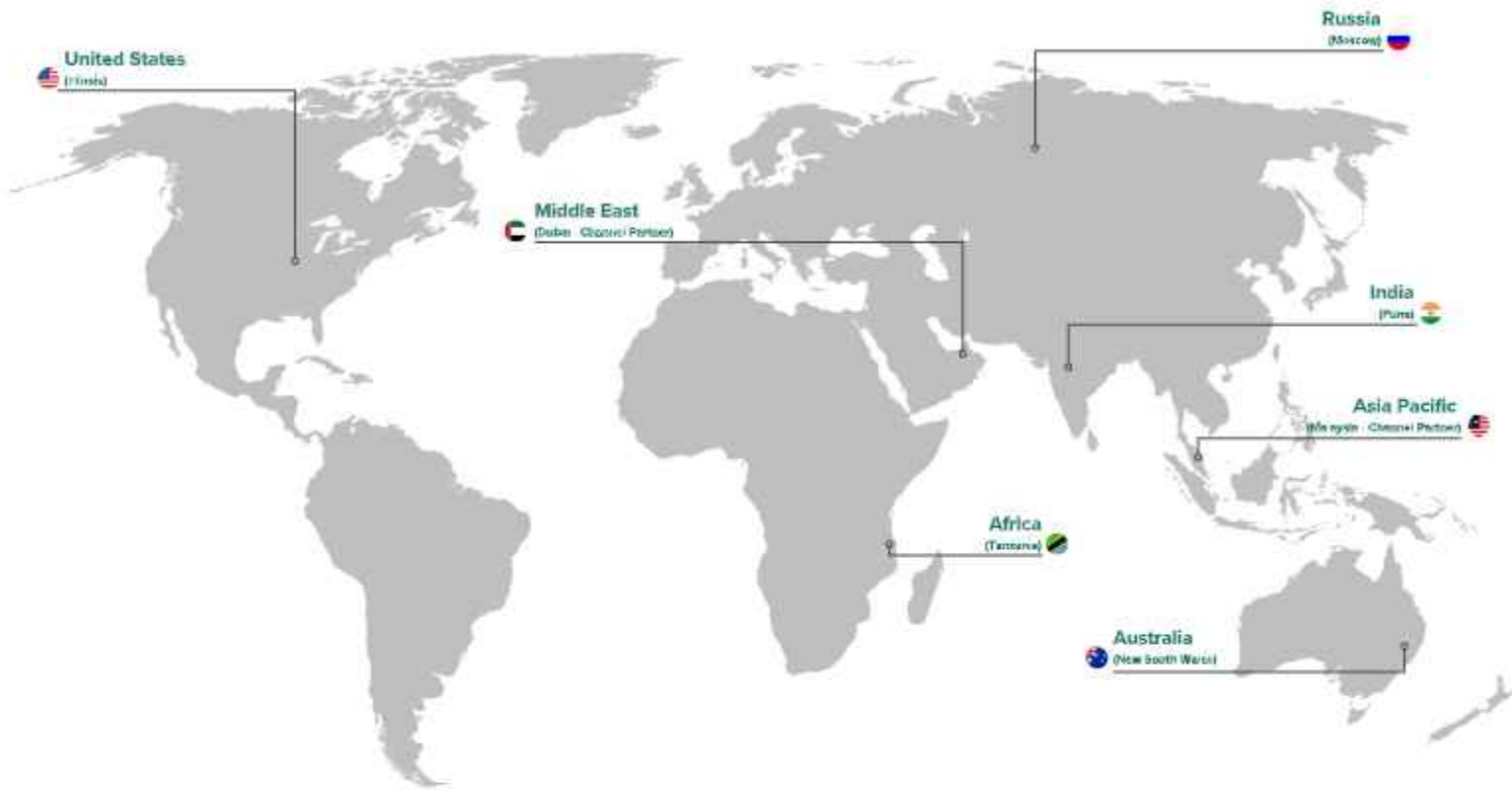
# About Alligator Automations

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 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.

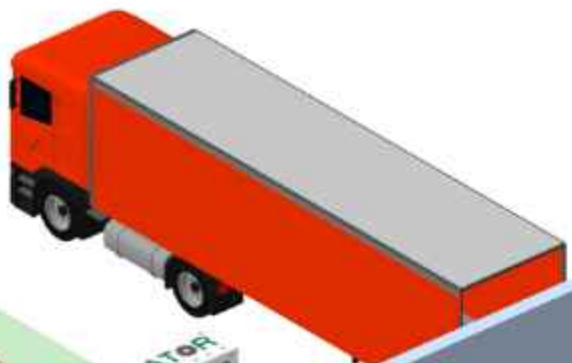
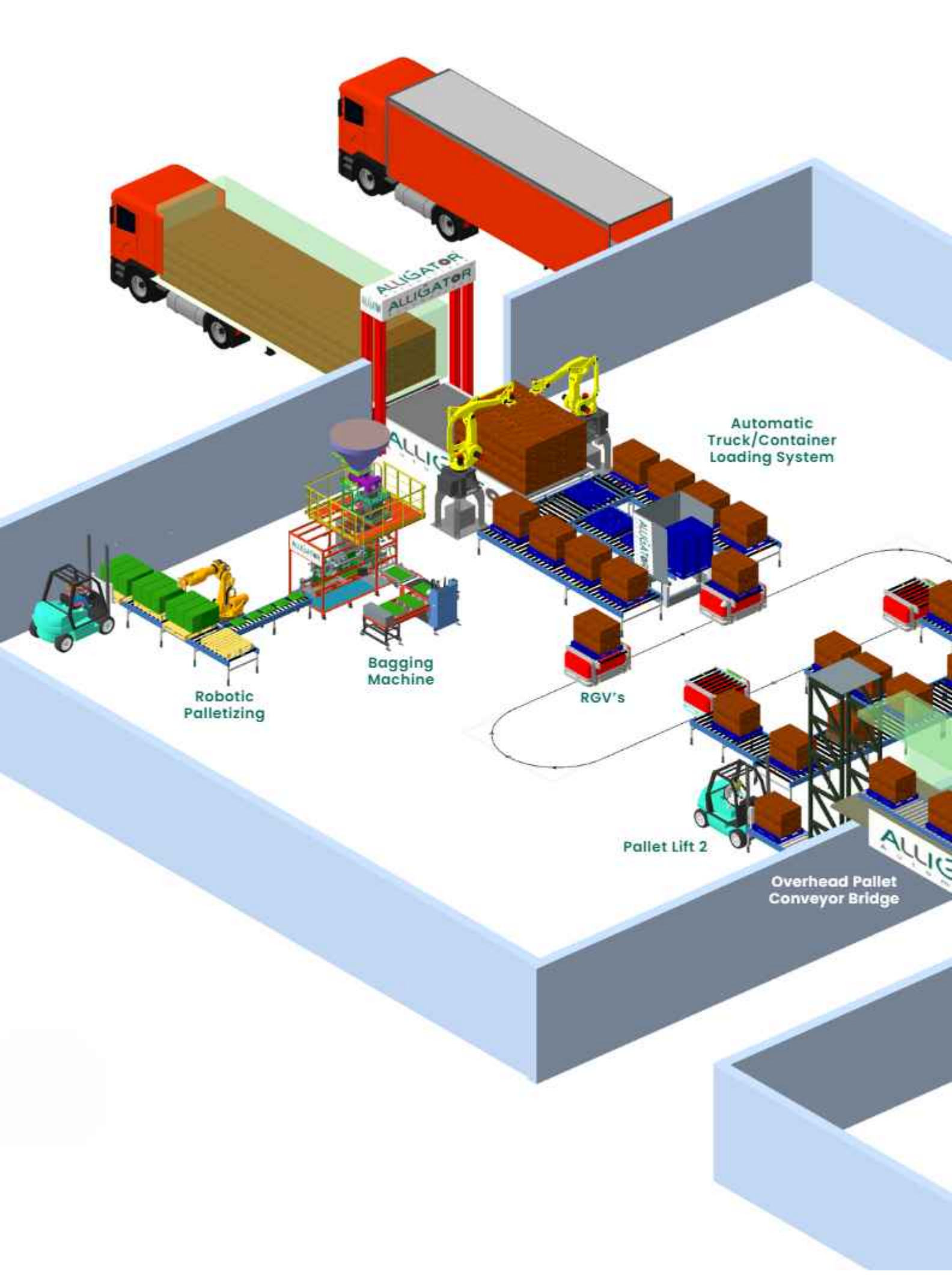


# Global Presence



# Industries Served





ALLIGATOR  
ALLIGATOR

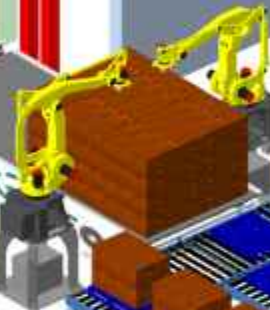
Automatic  
Truck/Container  
Loading System



Robotic  
Palletizing



Bagging  
Machine



RGV's



Pallet Lift 2

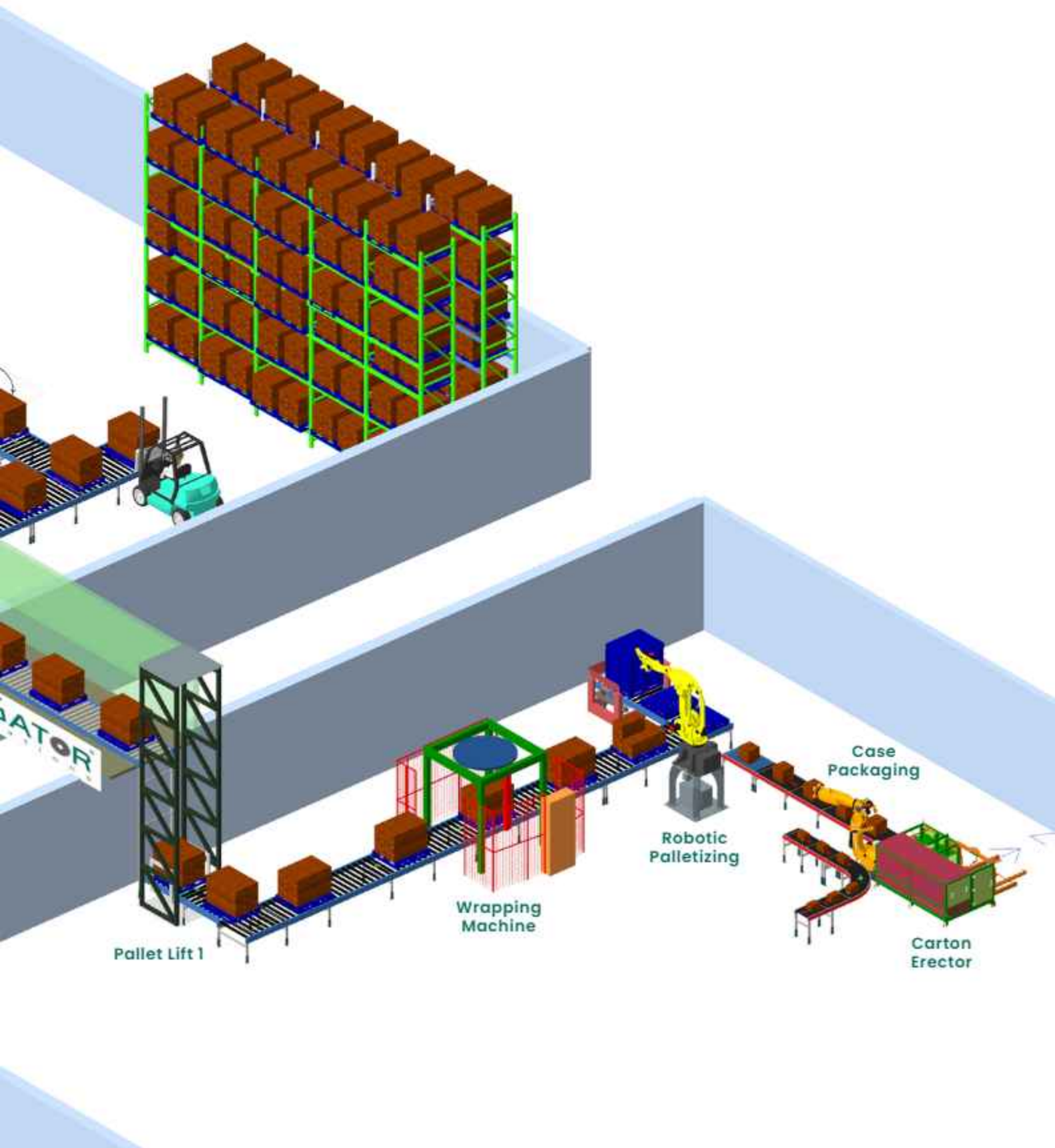


Overhead Pallet  
Conveyor Bridge



ALLIGATOR

# 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/Container 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**



**Big Bag 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**



**Pellet**



**Pulses**



**Granules**



**Flakes**

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



**Bag**



**Bottle**



**Snacks**



**Tetra Pack**



**Cans**

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



**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.

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: 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

**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

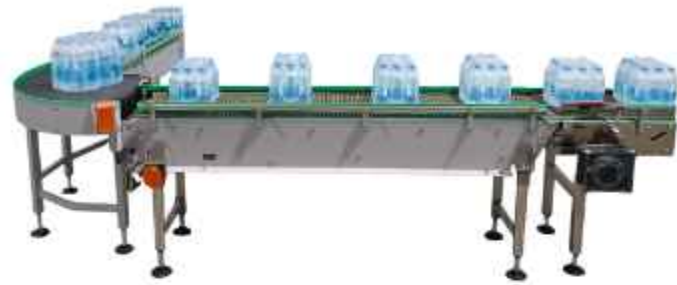
Throughput: Upto 6000 cases/bag/crate per hr

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.



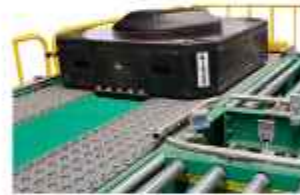
## Product Type Handled



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 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.



Know More



## Specifications

- Load platform size: L: 5 – 10 Mtr,  
W: 2 – 2.5 Mtr (custom options)

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- Load Weight: 10 T – 32 T

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- Loading Time: 2-3 Trucks per hour

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- Operation Type: Semi-automatic,  
Fully automatic

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- Load Plate Flexibility: Automatic height & lateral adjustment

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- 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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