ALLIGATOR®
Automations

PALLETIZING SOLUTIONS

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

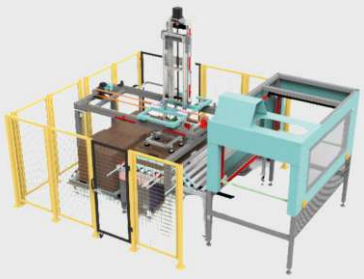
KNOW MORE

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

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

Industries Served-

- Agro Commodities
- Fertiliser Industry
- Food & Beverage
- Chemical Industry
- Oil & Paints Industry
- Petrochemical Industry
- FMCG
- Tyre Industry
- Cement Industry
- Seed Industry
- Appliances
- E-commerce Industry
- Automobile Industry
- Battery Industry
- Paper Industry

Hybrid Palletizer

The Hybrid Palletizer 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

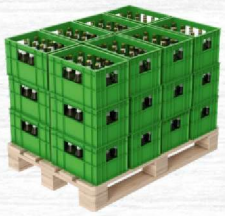
Features & Benefits of Palletizing Solutions-

- 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

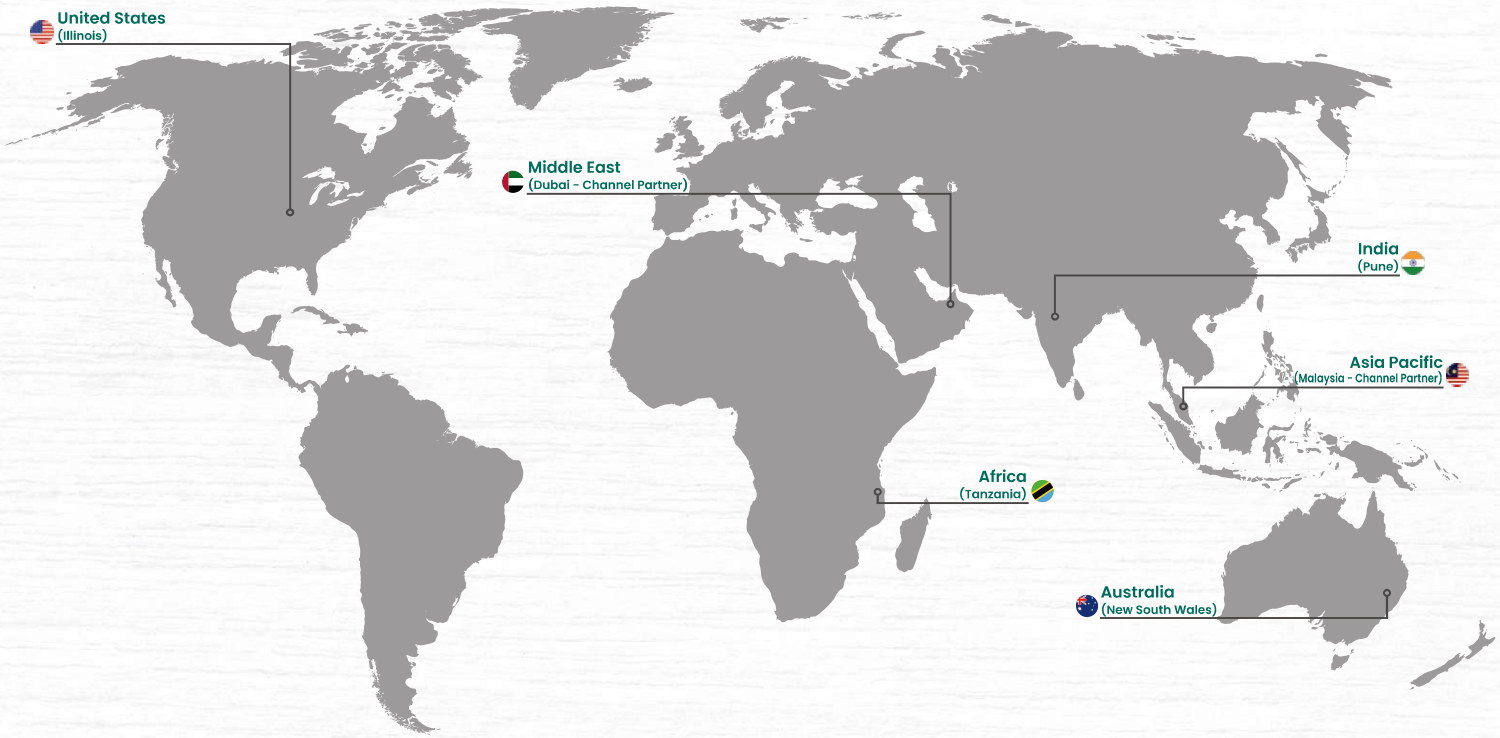
Tire Palletizing

Solar Panel Palletizing

Totes Palletizing

Glass Bottle Palletizing

Global Presence



Countries Served
20+

Clients Served
250+

Projects Executed
450+

Employee Count
500+

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