

# Palletizers and depalletizers



# Intelligrated palletizers and depalletizers

## automation that delivers™

Through its Alvey® equipment brand, Intelligrated® has more than 60 years of experience providing mission-critical palletizing and depalletizing solutions to thousands of manufacturers and distributors. Scalable designs provide the right level of automation for growing operational needs, and deliver speed, flexibility and productivity where it's needed most. From initial design concepting to integration and ongoing service, Intelligrated backs every installation with total lifecycle support, for maximum dependability, efficiency and return on investment.



## Flexible designs, maximum throughput and seamless integration

Intelligrated palletizing and depalletizing solutions provide the versatility to handle virtually any product and customer requirement, and offer industry-leading speeds for maximum throughput.

Engineered with advanced software and controls, Alvey palletizing and depalletizing systems integrate with conveyors, stretchwrappers and other equipment for complete automation solutions. Intelligrated engineering teams understand the changing demands placed upon today's operations.



## Industries served:

- Food
- Beverage
- Consumer packaged goods
- Pharmaceutical and medical supply
- Retail
- E-commerce
- Wholesale
- Post and parcel
- Third party logistics



## Solutions that drive productivity throughout any operation

The extensive range of Intelligrated palletizing and depalletizing solutions provide flexible, scalable options for every operational requirement, with a variety of speeds and designs to handle virtually any product and packaging type.

- **End-of-line manufacturing** – Palletizers build stable pallet loads for wholesale distribution or direct-to-retail replenishment
- **Mixed-load order fulfillment** – Build pallets with multiple products or packaging types for more efficient in-store replenishment or “labels-out” retail-ready display loads
- **Receiving (distribution)** – Depalletizers quickly unload product from pallets in preparation for single or mixed-case order fulfillment
- **Receiving (manufacturing)** – Depalletizers unload raw materials or empty containers in preparation for manufacturing processes

# Palletizing and depalletizing solutions



## Alvey 900 series

High-speed palletizers deliver superior package handling, pattern forming flexibility and reliability. The Alvey 900 series is available in three models:

- **Model 910:** In-line palletizer with a single accumulation zone offers throughput rates up to 125 cases per minute
- **Model 942:** Higher-speed palletizer features two accumulation zones and throughput rates up to 160 cases per minute
- **Model 943:** Highest-speed palletizer features three layer accumulation zones and throughput rates more than 200 cases per minute



## Alvey 800 series

High-speed palletizers designed to smoothly and quietly handle a broad range of case sizes and orientation requirements. Front and side discharge configurations enable optimal line flexibility and pattern utility software allows new case pattern creation from a touch screen.

- High-speed capability in compact footprint
- Rates up to 75 cases per minute



## Alvey 780 series

Compact mid-speed palletizer with a clean, simple design engineered for single line applications. The 780 series uses a reciprocating row pusher to create layers of product and offers pattern utility software for quick case pattern creation from a touch screen.

- Touch-screen operator interface with advanced diagnostics
- Rates in excess of 50 cases per minute
- High-level infeed allows product to feed directly from overhead conveyor or accumulation lines



“We looked at the overall design of the equipment, speed, efficiency, productivity, safety and reliability. Intelligrated’s Alvey palletizing system scored the highest on all of those and that’s what drove them to the top of our list.” — Pete McKenzie, director of design and start up, Paramount Citrus Halos facility



## Alvey hybrid palletizers

Alvey hybrid palletizers incorporate one or more robotic arms for flexibility, gentle handling and precise, repeatable pattern forming.

- **Alvey 950 series:** High-speed hybrids offer rates of more than 125 cases per minute and either floor- or high-level infeed
  - Model 951-1: Single layer accumulation zone and one robotic arm
  - Model 952-1: Two layer accumulation zones and one robotic arm
  - Model 951-2: Single layer accumulation zone and two robotic arms
  - Model 952-2: Two layer accumulation zones and two robotic arms
- **Alvey 750 hybrid:** Mid-speed palletizer with high-level infeed and a single robotic arm offers throughput rates up to 50 cases per minute



## Alvey 680 series

Lower-speed, floor-level case palletizers offer a range of throughput capabilities with multiple case infeed, pallet feed and load discharge configurations to fit any layout.

- **Model 680:** Lowest speed model can palletize up to two layers per minute
- **Model 680-R:** Additional row accumulation increases rates up to three layers per minute
- **Model 681:** Designated layer accumulation area can palletize up to five layers per minute



## Alvey GS100 series

Cost-effective, scalable alternative to manual palletizing with a modular design, multiple standard layout configurations.

- **Model GS120:** Manual pallet handling configurable to accommodate any layer pattern or packaging
- **Model GS130:** Semi-automated pallet handling for industries with small and lightweight packaging
- **Model GS140:** Fully-automated pallet handling, pallet dispensing and full-load accumulation

“The four Alvey palletizers that we purchased over the past six years provide us with optimum flexibility and exceptional reliability, plus the benefit of local service and support.”

— Ted Zeveny, production manager, Union Beverage Packers



## Robotic palletizing solutions

Alvey robotic palletizing solutions enable fast, easy product reconfiguration, create mixed-load pallets and handle single cases, rows or entire layers.

- Robotic arms from multiple manufacturers including Motoman, Kuka and Fanuc
- End-of-arm tooling designed and built in-house
- Integrated software and controls, including PLC-based solutions
- Simulation software for system feasibility and efficiency testing, training and troubleshooting



## Robotic depalletizing solutions

Robotic arms designed to precisely move and place a wide range of products. Flexible robotic depalletizing solutions enable quick product or packaging changes and can handle single cases, rows or entire layers.

- Robotic arms from multiple manufacturers including Motoman, Kuka and Fanuc
- End-of-arm tooling designed and built in-house
- Integrated software and controls, including PLC-based solutions and vision technology
- Modular solutions with compact footprints scale from single robots to multi-arm systems
- Simulation software for system feasibility and efficiency testing, training and troubleshooting



## Alvey model 450 semi-automatic

Automatic pallet handling solution offers ergonomic and speed advantages over manual depalletizing and heavy-duty construction for long-term dependability.

- Gentle load handling keeps even marginally stable loads secure
- Touch screen enables control and diagnostics in the work zone
- Delayed infeed start when fork truck present



## Solutions overview

Intelligent automated material handling solutions from Intelligated optimize processes, increase efficiency and give businesses a competitive edge. Intelligated designs, manufactures, integrates and installs complete material handling automation solutions including:

- Fulfillment execution systems
- RTS™ order picking technologies
- Datria™ Voice solutions
- InControlWare® machine controls
- IntelliSort® sortation systems
- Conveyor systems
- Alvey® palletizers and robotics
- AS/RS solutions
- 24X7 Customer Service & Support



## Customer service & support

Intelligated Customer Service & Support provides all the services, parts and support necessary to keep systems running at peak efficiency. Staffed with a network of Intelligated professional customer service and support specialists, multilingual customer service is accessible 24X7.





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## About Intelligrated

Intelligrated is a leading North American-based, single-source provider of intelligent automated material handling solutions that drive distribution and fulfillment productivity for retailers, manufacturers and logistics providers around the world. Through a broad portfolio of automation equipment, software, service and support, Intelligrated solutions optimize processes, increase efficiency and give businesses a competitive edge.

Intelligrated designs, manufactures, integrates and installs complete material handling automation solutions including conveyor systems, sortation systems, palletizers, robotics, automated storage and retrieval systems, and order picking technologies – all managed by advanced machine controls and software. Solutions include industry-leading Intelligrated-manufactured Alvey®, RTS™ and IntelliSort® brand equipment and Knighted® warehouse management (WMS), warehouse control (WCS) and labor management software.

Every project is backed by Intelligrated's 24X7 multilingual technical support and access to lifecycle service through a network of national, regional and local service centers. From concept to integration to lifecycle support, Intelligrated automation delivers distribution and fulfillment success.