



# Order fulfillment systems



software intelligence that **delivers**™

# Intelligrated order fulfillment systems

## software intelligence that **delivers**<sup>TM</sup>

Intelligrated draws on decades of experience and hundreds of installations to provide best-fit solutions designed to deliver maximum throughput and accuracy for fulfillment operations. Tailored to any market or application, Intelligrated offers systems from basic flow rack picking to the most modern technologies capable of fulfilling hundreds of thousands of orders per day. Intelligrated backs each installation with comprehensive lifecycle support to ensure maximum uptime and return on investment.



## A single-source solution

Intelligrated offers a unique combination of extensive integration experience and a broad solution lineup to optimize each part of the order fulfillment process.

Through an ideal mix of work or process flow, picking technologies and software, Intelligrated helps maximize labor productivity and order accuracy to meet promised service levels and increase customer satisfaction.

Efficient, integrated systems reduce returns, shipping and labor costs, and leverage advanced software to provide real-time visibility into fulfillment processes through dashboards, mobile mentoring and reporting.



## Industries served:

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



## A solution for every fulfillment application

Intelligrated's extensive range of order fulfillment systems leverages automated equipment, picking technologies and processes to provide scalable, flexible solutions that drive maximum throughput and order accuracy for all workflows and product applications.

- **E-commerce** – Manage constant streams of orders for maximum accuracy and efficiency to meet aggressive delivery goals, promised service levels and effectively handle returns
- **Store replenishment** – Leverage real-time view of orders and inventory to route product from storage or across the dock directly to put modules and out to stores
- **Retail** – Optimize fulfillment of recurring shipments, special orders and aisle-ready container deliveries to keep store shelves stocked
- **Omnichannel** – Maximize inventory utilization to flexibly fulfill direct-to-consumer pieces and bulk store replenishment orders
- **Manufacturing** – Efficiently stage manufactured products for just-in-time delivery requirement
- **Route distribution** – Leverage labor, picking technologies and automation to sequence orders and truck loading in reverse for optimized delivery efficiency

# Pick and put systems



## Pick- and put-to-light systems

Pick- and put-to-light systems from Intelligrated provide paperless, light-directed fulfillment with easy-to-read lights and displays for improved productivity, speed and accuracy.

The scalable, easy-to-use systems include tray designs to accurately handle a wide variety of product sizes and shapes, built-in diagnostics for easy trouble shooting and require minimal order filler training while increasing picking and putting accuracy in high-velocity, high-SKU omnichannel and e-commerce fulfillment environments.

- **T3C™** – Multi-colored devices enable multiple fillers and orders per zone and deliver real-time updates to provide order fillers with next-best task to increase productivity
- **xD™ and xL™** – End-to-end shelf coverage, dynamic slotting and dual shelf configuration capability enable increased pick face density and flexible store, SKU and order filler assignments
- **cl™** – Multi-colored devices enable concurrent activity in shared zones and software features provide planning, management and reporting to optimize picking

## Voice picking

Voice solutions from Intelligrated provide multimodal, hands-free picking to facilitate fast, accurate communication between employees and warehouse execution systems. The intuitive system increases productivity and can yield more than 99.9 percent accuracy across a range of mobility tasks, including direct-to-consumer fulfillment, retail replenishment and omnichannel fulfillment.

- Standards-based, non-proprietary technology for broadest choice in mobile devices
- Easiest training and support designed to expedite user acceptance and increase labor flexibility
- Future-proof adaptability and scalability for a variety of fulfillment workflows
- Most advanced speech recognition technology for optimized productivity
- Seamless integration with Intelligrated warehouse execution system or existing software systems



“The new system from Intelligrated really cut down cycle time. We can drop an order down to the floor, have it processed and into the truck in minutes.”

— Brad Taylor, director of engineering and facilities, Chico’s



## Put wall systems

Put systems enable goods-to-operator fulfillment ideal for retailers and wholesalers running store replenishment, e-commerce or omnichannel operations.

- Ideal for multi-line orders with regular promotions, flash sales or seasonal specials
- Enables efficient multichannel fulfillment of both mixed- and single-SKU orders
- Software enables intelligent order batching, adjustments and order allocation between wave, pick and put
- Slotting logic ensures “golden zone” efficiency



## RF handheld and mobile devices

Ideal for lower-velocity SKUs, radio frequency (RF) technology from Intelligrated guides pickers through the fulfillment process for 99.9 percent accuracy and 10 to 15 percent productivity gains over manual processes.

- Compatible with a variety of handheld devices from Zebra/Motorola and Honeywell
- Suitable for a variety of fulfillment workflows including batch picking, receiving, replenishment and re-slotting



## Mobile cart picking systems

GoKart™ mobile picking carts provide a proven fulfillment solution for low velocity items and distant break pack picking areas. Combines advanced pick-to-light components, voice automation and RF scanners in a mobile picking system.

- Pick multiple and single line order simultaneously
- Wireless RF data communication and onboard power provides real-time direction of order filler activity
- Advanced mobility and go-anywhere flexibility

“Intelligrated provided us with a unique solution to fit our needs. Thanks to their system, our productivity dramatically increased and we were able to reduce our operational costs as a result.”

— Pedro Carreras, Associate VP of Distribution for the Americas, Luxottica



## Warehouse execution systems

Intelligrated’s warehouse execution systems (WES) act as the operational brain, delivering real-time responsiveness through automated decisions based on constant analysis of orders, inventory, labor, processes and equipment information.

- Shared inventory for streamlined order planning and fulfillment execution
- Holistic, predictive control of automated material handling equipment for reduced labor requirements and improved material flow
- Minimal software integration points for improved solution stability
- Modular design adapts to ever-changing business needs



## AS/RS solutions

Flexible and efficient automated storage and retrieval systems from Intelligrated provide quick access to products for a variety of fulfillment applications, ideal for operations with high-turn inventory storage and short order cycle times.

- Range of load handlers to accommodate the widest variety of tote types and carton sizes
- Reduced storage labor and footprint requirements
- Suitable for goods-to-operator fulfillment, just-in-time inventory management, product sequencing and buffering



## Unit sortation systems

Designed to handle ultra-light, irregularly shaped and polybagged items, Intelligrated sortation systems enable enhanced product flow and accurate, on-time shipments and returns processing. The systems ensure the highest throughput at minimum speeds, providing years of reliable, low-maintenance operation.

- Tilt-tray
- Cross-belt
- Sliding shoe



## Solutions overview

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

- Warehouse execution systems
- Order picking technologies
- Voice solutions
- InControlWare® machine controls
- IntelliSort® sortation systems
- Conveyor systems
- Alvey® palletizers and robotics
- AS/RS solutions
- 24X7 Customer Service & Support



## Customer service & support

Intelligrated Customer Service and Support provides all the services, parts and support necessary to keep systems running at peak efficiency. Staffed with a network of Intelligrated 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® and IntelliSort® brand equipment and 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.