

X-Press PAL™ and X-Press PAL PLUS™

Modular In-line Pack and Ship Systems

Scan, Weigh, Pack - Print and Apply Labeling Automation

ROI of less than One Year!

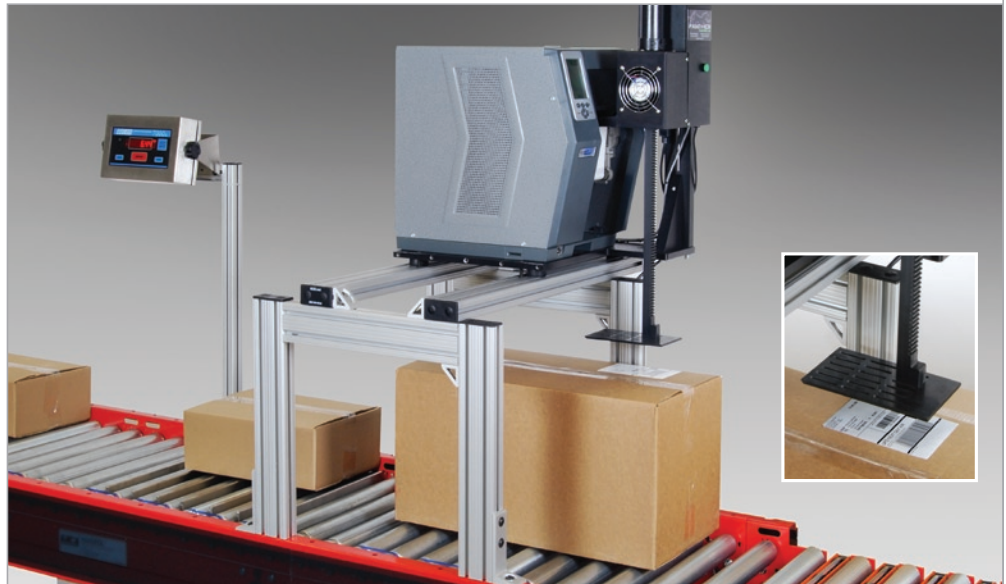
X-Press PAL™ Print and Apply (P/A) Labeling is a key component of Numina Group's Pick, Pack, and Ship automation suite of products. The system easily integrates with existing packing areas or new operations to provide a complete in-line packing automation solution.

X-Press PAL™ eliminates the time and labor associated with manual carton weighing, packing sheet/invoice generation, P/A labeling, and manifesting. A single operator can process up to 350 or more shipments per hour, eliminating two to three operators at many packing and shipping operations. The system automates the application of the shipping and /or compliance label and manifesting process at up to 15 cartons per minute. If higher speeds are required Numina Group can supply a print and apply labeling system that performs at 50 plus cartons per minute rates!

X-Press PAL™ includes the following hardware and software:

- Modular 24VDC zone accumulation conveyor, with bi-directional transfer for exception handling and/or carrier routing
- In-line scale and carton barcode scanner
- Real-time PC Control with Browser based web screens for operator, diagnostics and SQL DB based operational and carton history reports
- Panther Shadow™ Print and Apply Applicator or select from the full line of Panther 2000 or 2000E label applicators
- Supports the full family of Zebra, Sato, and Datamax print engines
- Interfaces to existing ERP/WMS, Shipping & Manifesting Systems

X-Press PAL's™ modular design automates the shipping, labeling, and manifesting process or the entire Pack and Ship Process. Select from a family of **automation components** to streamline the pack process.



Automate Packing, Shipping, and Manifesting at rates of 750-plus cartons per hour for FedEx, UPS and USPS.

Automation components include:

- Vision Audit to provide a permanent digital record of carton contents for order validation
- Carton weight and dimension capture at the in-line carton/order audit station
- 4" x 6" to 8.5" x 11" Pack Sheet and/or Invoice Printers with manual or auto folder/ inserter option
- Semi or Automatic Taper/Sealer integrated with the Void Fill Station
- Conveyor and Sorters to automate the entire picking, packing and shipping operation

X-Press PAL Plus™ is an exclusive Numina Group option that reduces labor and time from order fulfillment applications by automating the application of the packing slip to the outside of the shipping carton. This option can be added to **X-Press PAL™** to print and apply both the packing slip label and shipping label to the outside of the carton. The packing slip consists of a removable packing slip label concealed by a removable shipping label applied directly over the packing slip.

X-Press PAL Plus™ lowers labor costs through automating the packing slip with a **"Green Labeling Process"**, eliminating both the manual labor and the plastic packing slip envelopes required for attaching the pack sheet to the outside of the carton.

X-Press PAL Plus™ provides:

- Software Module to accept and format the packing slip data from the client's WMS/ ERP or Shipping / Manifesting System
- Labor savings of up to 35+ seconds from shipment requiring a secure pack slip on the outside of shipments

** Call to request a free sample of the combination packing slip and shipping label*

continued >

The NuminaGroup

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About Numina Group Picking, in-line order auditing technologies, labeling, sorting and manifesting requires application know-how, proven software and high quality equipment - and that's exactly what The Numina Group delivers! Since 1986, we have supplied Pick, Pack, and Ship Automation to order fulfillment distribution operations. Our solutions combine application expertise, innovation and reliability to eliminate "bottlenecks" and reduce labor throughout. The Numina Group provides our clients a competitive advantage in the markets they serve.

Real-time Distribution System, RDS is our flagship software, providing superior performance and reliability for our industry leading Pick, Pack, and Ship Solutions. RDS is proven in hundreds of demanding distribution automation installations. It's a multi-function control platform that integrates real-time process control, executes ERP/WMS business rules and performs data collection/archiving within its SQL Database. A Web based Dashboard provides easy to use diagnostics, reporting and viewing tools. RDS delivers scalable, sub millisecond response control and communication on a rock solid, scalable Open System Platform.

The following is the summary of **pre-developed application control modules** available in RDS

- Receiving/Cross Docking – Inbound audit with Print and Apply Labeling
- Cartonization – Carton selection for split case picking based on item cube and weight
- Order Release Optimization – Balance work load with order release matched to ship and delivery rules
- Dashboard – User interface with visibility and business intelligence
- Pick Execution – RF, Pick to Light and Voice Directed Picking
- Carton Zone Routing – Conveyor routing for split case orders
- Order Validation – Inline Weight, Barcode and Vision Capture and Audit
- Conveyor Control and Diagnostics
- Packman – Void fill, pack sheet generate/insert, and carton sealing
- Sortman – All varieties of sorter controls including Shoe, Tilt-Tray, Bombay, and Cross-Belt
- X-Press PAL & X-Press PAL Plus – Print and Apply Systems
- One-Step™ – Print and Apply of Packing Slips and Shipping Labels

Products and Services

Numina Group designs and supplies Pick, Pack, and Ship Automation Solutions for the order fulfillment process. Whether you need a system upgrade, a process improvement, or a fully integrated new distribution facility, Numina Group's skilled and experienced team can provide the engineering, products and services to match your requirements. By combining proven software and application expertise we eliminate the "bottlenecks" and excessive labor to improve accuracy and lower labor costs throughout the order fulfillment process.

For further details on how Numina' Group's services and automation products can accelerate the performance in your next distribution project or breathe new life into your existing facility, call 630-343-2600. Find out what **Smarter, Faster, Better Automation** will do for your operation.

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