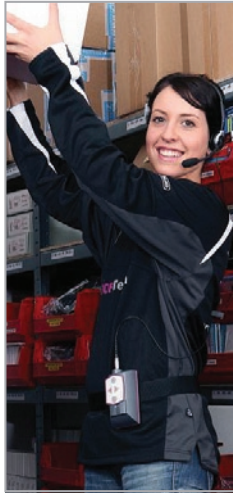


Pick Execution™ Multi-Modal Voice Directed Picking Technology

Pick Execution™, is an industry leading next generation multimodal voice directed picking technology. It combines voice picking, wireless hands-free barcode scanning, and Pick to Light (PTL) in a single application module. The speaker independent voice technology lets you choose the right technology to streamline order picking and pick validation in a single process!



Voice and Pick to Light (PTL) picking technologies can be run simultaneously or independently within the same application. The system supports a full family of PTL pick display modules coupled with topVox™, the worldwide leader in speaker independent voice recognition software, with over 32,000 installed users.

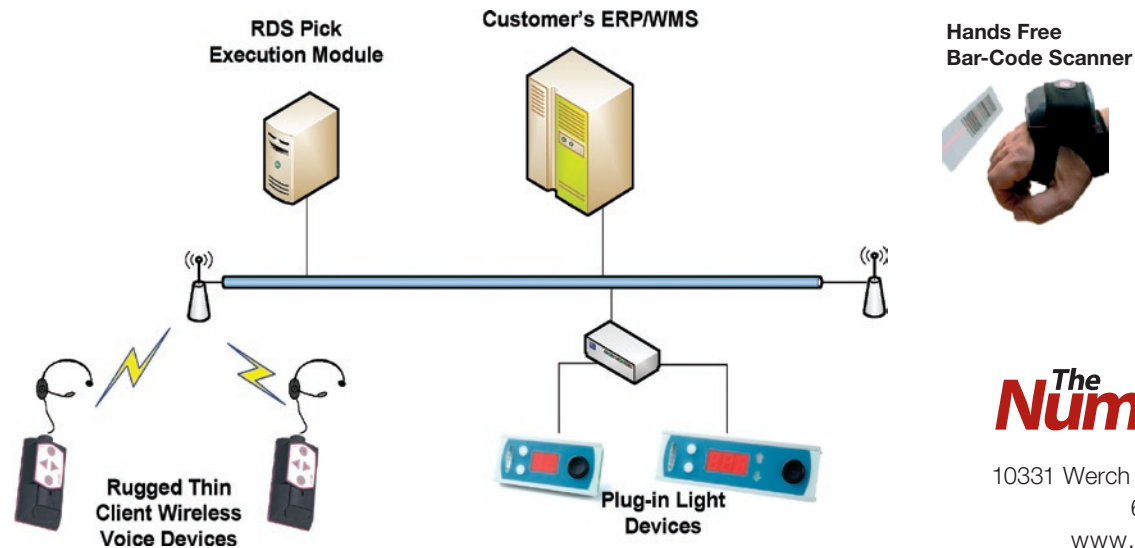
Pick Execution™ provides it all; advanced voice engine and 100% Java database driven software to provide both a hardware and software independent application. This technology results in lower implementation costs, increased revenues and improved productivity throughout the Pick and Pack Process.

Pick Execution™ Voice Directed Picking Advantages:

- Eliminates the need to voice train operators
- Open Platform for both Hardware and Software
- Only speaker independent natural voice picking solution
- Database driven application, simplifies editing and maintenance
- Record and time-stamp all picking activities
- Order Lookup Screen – Track order progress
- Web based Picker Productivity Reports
- Pre-developed picking application templates for pick to carton, pick to cart and pick to pallet applications

Pick Execution™ provides a robust, low cost means to upgrade your order picking by adding voice technology to manufacturing and distribution operations starting with as few as a five user system. The software seamlessly integrates to existing WMS/ERP Systems, increasing picking productivity by 30% to 50% compared to current RF or paper based picking processes. The Linux or Microsoft based Servers is a database independent, thin client voice engine that provides you a choice for both the software environment and hardware including Motorola, LXE and other wireless terminal suppliers.

The Pick Execution™ Java Toolkit encapsulates all communications with the topVox™ Voice Telegram message library. In addition to directing pick commands to the voice terminal or pick displays, the Execution Manager communicates with wireless barcode scanners, alphanumeric displays, and other equipment needed to implement a complete pick automation system. The entire application is database driven, providing a straightforward means to edit the application without writing code. Java tools auto creates device configuration tables using pre-developed templates. The software can be deployed on Linux/MySQL Database and also supports IBM DB2, Oracle and Microsoft SQL Server. A documented database definition, source code, and unlimited user license is supplied with the system. A full family of pre-developed configuration and status viewing browser-based tools simplifies the job. Whether you choose to create your own custom pick application, extend Numina's class library to include your own hardware, or have Numina Group provide a turn-key solution, the results are a high performance, dependable, flexible, low-cost means to deploy voice technology to improve picking by 30% to 50% in your order fulfillment process.



The NuminaGroup

10331 Werch Drive, Woodridge, IL 60517
 630-343-2600
www.numinagroup.com



About topVOX™ topVOX™ is a worldwide leader in advanced voice recognition technology for workforce management in warehousing, order fulfillment, manufacturing, and the health care industry. topSpeech-Lydia, the voice recognition engine, is deployed in over 32,000 voice enabled applications throughout Europe, South-America and the US. topVOX™ offers a robust speech technology that supports continuous on-line speech commands and the **only solution on the market that uses speaker-independent natural voice output**. Proven interfaces with SAP and numerous WMS/ ERP systems coupled with world-class technology and support services make Pick Execution™ top-VOX the voice pick technology leader.

About Numina Group Warehouse and distribution automation requirements such as picking, in-line order auditing technologies, labeling, sorting and manifesting require 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 operation. The systems and products we supply increase revenues and efficiency. We provide 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, 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, conveyor system 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 Distribution Automation** will do for your operation.

phone: 630-343-2600
fax: 630-343-2636
www.numinagroup.com