

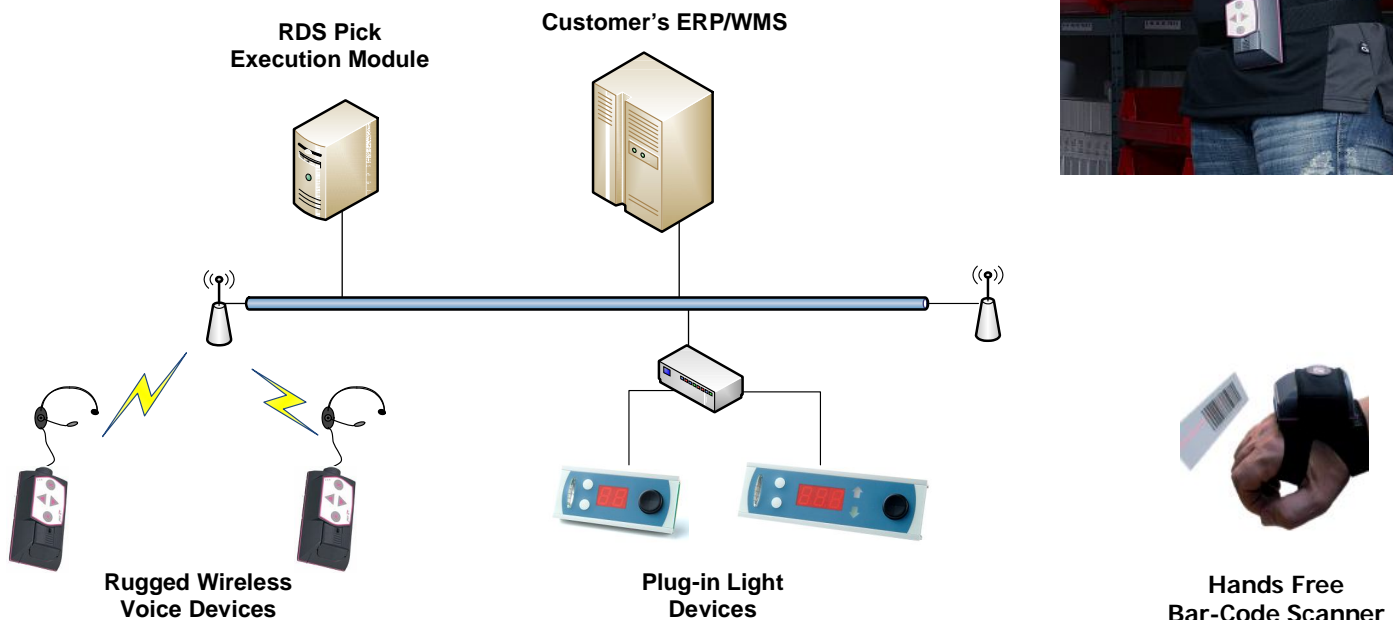
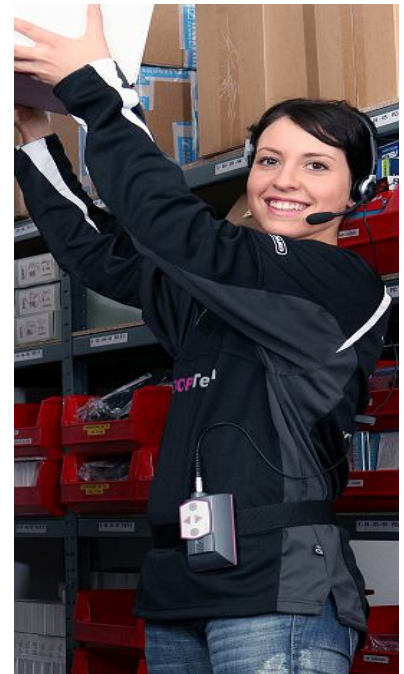


## VOICE DIRECTED & PICK TO LIGHT PICK EXECUTION™ MODULE

Pick Execution™, order picking module is the industry's first fully integrated Voice Directed and Pick to Light (PTL) software-hardware solution that supports either voice, pick to light, or both technologies in combination. The module supports a full family of advanced and reliable pick display modules coupled with topVox™; a reliable, proven, speaker independent voice command and recognition system with over 20,000 installed users. Pick Execution™ provides it all; software, hardware, and services to improve productivity for managing and validating order picking. The module and application toolset uses the latest technology to **provide a robust, low cost means to add order picking automation to manufacturing and distribution applications** that easily interface to existing WMS/ERP Systems.

### Seamlessly combine PTL and Voice Directed Picking

- Dynamically assign pick tasks
- Support zone based and zone-less picking
- Record and time-stamp all picking activities
- Wave / Shift progress display
- Order Lookup Screen – Track order progress
- Picker Productivity Reports
- All Web based screens and reports
- Works with Real Time Distribution software "RDS"™ Family of Warehouse Application Control Modules or as an independent application.



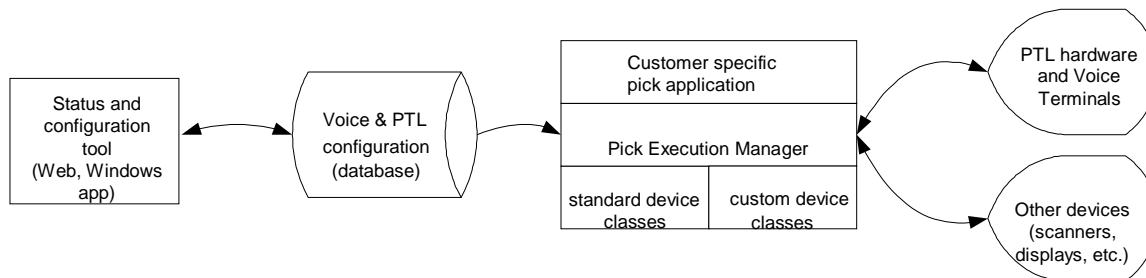


### Numina Group's Pick Execution™ Module delivers:

- Paperless hands free picking with typically better than 30% to 50% increases in picking productivity;
- Flexible and cost effective solution that easily integrates with existing WMS-ERP Systems, eliminating the need for expensive third party software;
- A solution that allows you to blend PTL for the high velocity SKU's and Voice Directed Picking for full case, pick to cart, or lower velocity SKU picking applications.

The Numina Group Pick Execution™ software module supports pick to light, voice, or the combination of both technologies. For voice we selected topVox voice directed wireless picking, and coupled it with our proven Pick to Light product line. Voice directed picking can now be easily used at existing operations to upgrade paper or RF based pick to cart, tote, or carton pick applications. Voice commands initiate the start of the order, direct SKU specific lot capture, and trigger the pick to light displays at the high velocity pick locations.

Numina's Java Toolkit extends the capabilities of the application control module so that it can be seamlessly interfaced to your WMS, ERP or other business software platforms. At the heart of the Java Toolkit is the Pick Execution Manager, Numina's java class that encapsulates all communications with the topVox Voice Telegram message library and the pick to light controller hardware (see the figure below). In addition to directing pick commands to the VOXter™ wireless voice terminal or pick displays, the Execution Manager communicates with barcode scanners, alphanumeric displays, and other equipment needed to implement a complete pick automation system.



Pick Execution™ auto creates device configuration tables using pre-developed templates. When deployed on the MySQL Database, a fully documented database definition, source code, and unlimited user license is provided. Device parameters such as the name, hardware address, voice commands and responses of the voice pick application and pick to light device are maintained in the database tables. 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 dependable, flexible, low-cost means to improve picking by 30% to 50% in your order fulfillment process.



### About topVOX

A world wide leader in voice technology, topVOX specializes in advanced voice technology for workforce management in warehousing, order fulfillment, manufacturing, and the health care industry. topSpeech-Lydia, the voice recognition engine, is deployed in over 20,000 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. The wireless scanner VOXter-S (shown on page 1) is a low cost rugged terminal that combines voice and hands-free barcode scanning for lot tracking or 100% pick, pack, and order validation. Proven interfaces with SAP and numerous WMS/ ERP systems coupled with world-class technology and support services have made Pick Execution™ top-VOX the voice pick technology leader.

Take the next step: call Hank Vaughan at 630-343-2601 to discuss the ***Numina Group's Now We're Talking Pilot Automation Program***, a low cost means to prove the savings that your operation can obtain through improving your order picking.