The NuminaGroup

RDS Voice™ Process Automation Module
Lowers labor costs, increases productivity, accuracy, and profitability!

RDS Voice™ combines single touch pick to carton voice, track and trace lot/serial number capture for electronics, pharmaceutical/nutraceutical manufacturing and distribution applications.

Real-time Distribution System, RDS™ Voice is superior technology for implementing lean, highly productive voice directed automated operations for manufacturing and distribution. It uses the world's leading speaker independent voice engine that requires **zero operator voice training regardless of background noise!** Operators are productive in minutes compared to several hours using obsolete speaker-dependent legacy voice platforms. Its 7th generation speaker independent voice is proven to work in the noisiest work environments!

RDS™ Voice **improves accuracy to 99.99%** in picking, kitting, receiving and replenishment applications. Simpler to use, faster to deploy, RDS™ Voice frequently provides ROI in less than a year. RDS™ Voice increases productivity rates by 30 to 50% or better in picking, receiving, and inspection applications.

RDS™ Voice includes a labor tracking and reporting module. The reporting toolset measures worker productivity across different tasks, and tracks labor to settable work standards. The software provides the tools to measure and report operation and worker productivity.

More than Just Voice- It's a Complete Automation Solution!

- **Receiving, Picking, Replenishment, Inspection**
- **Pick Wave Management and Order Release**
- **Cartonization based on order cube**
- **SKU, Lot and Serial ID Capture**
- **Manufacturing and Kitting Module**
- **Smart Pick Cart™ batch picking with walk path optimization**
- **Conveyor Zone Routing for pick to carton/tote applications**
- **Worker productivity tracking by task and work zone**
- **Web based order progress, labor tracking and productivity reporting**

Hands Free Laser or 2D Bar Code Scanning for SKU Serial Lot code capture

RDS™ Voice is a robust and proven voice technology **with over 150,000 users worldwide.** Speaker Independent voice technology **makes implementation fast and easy.** Operators quickly achieve highly productive picking rates because they are unburdened **by the training complexities and voice recording required to operate speaker dependent systems.** The majority of the voice application is contained within the SQL database, lowering development time and ongoing software support costs.

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Application changes can be made through simple web screen settings and database edits. A full set of **pre-developed interface modules** are available to integrate RDS™ voice work tasks and picking processes with SAP, Oracle, NetSuite, Microsoft Dynamics, JDE, IBM I-Series and dozens of other WMS/ERP Systems.

• Virtual or Cloud based Server application using "Thin Client" voice engine deployed on Microsoft, Android, and Apple OS WI-FI Wearable PDAs

• Voice logic is contained in the Server database tables; lowering cost and time to deploy the application

• Pre-developed application modules support "Best Practice" picking such as pick to carton, batch order pick to totes, cart picking, and mixed case pick to pallet applications

• Pre-developed interface toolsets to integrate voice to current in-house software and leading WMS-ERP Systems

More than Voice!

RDS™ Voice is the most flexible and scalable voice driven order fulfillment technology in the industry! Fully integrated software automation modules available with RDS™ Voice makes it a true **Tier 1 Warehouse Control and Execution System, (WCS).** These pre-developed modules all run on the **SAME PLATFORM** and include: voice, pick and put to light, real-time control logic that manages cartonization, product movement, inline weight capture, carton dimensioning, vision audit, intelligently routed conveyor, sortation, AGVs and Autonomous Robots that lean up and automate a diverse range of interleaved processes.

RDS™ Voice improves automated manufacturing, distribution, omni-channel and internet order fulfillment operations with its industrial proven voice engine.

RDS™ includes a full family of software modules to seamlessly integrate product flow and tracking from receiving and storage through pick, pack, and ship automation.

Smart Pick Cart™ Batch Pick Cart can combine voice picking and pick and pack to light processes for Internet, Omni-channel and Retail Order Fulfillment

Best Practice Operations include optimized work release and work balancing software modules combined with automated storage technologies like Vertical Lift Modules (VLM) and Vertical Storage Units/ASRS, packing automation, print & apply labeling, and conveyor sortation automation.

About Numina Group

The Numina Group designs and implements complete solutions for manufacturing, kitting, track and trace and pick, pack, and ship order fulfillment automation applications. A leader in Tier 1 Warehouse Control and Execution Systems, WCS and Voice Technology, Numina Group provides the right technologies and services to streamline processes and reduce labor requirements. RDS™ Voice speaker independent, natural language multi-lingual voice recognition engine is game changing technology! The voice engine is the world's leading speaker independent technology used in industrial workforce automation applications.

Take the next step: contact Pat Hanrahan at 630-343-2629/phanrahan@numinagroup.com to learn more about how to increase workforce productivity.

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