



**Voice-Insight's** solutions represent a paradigm shift in work-flow simplicity for logistics. Our advanced VQL software technology provides unparalleled performance, ergonomics, and flexibility for mobile workers using natural language interaction with enterprise systems.

**Improve productivity and accuracy with...**

## VQL for Logistics on the Go™ Warehousing and Returns Processing

**Voice-Insight VQL™** (Voice Query Language) software allows operators to work hands and eyes free while using their own, natural speech to easily communicate with the warehouse management system (WMS) or other enterprise applications. The patented VQL technology enables the most reliable, high-performance voice logistics solutions in the industry, combining:

- **Speaker independence** - no system voice training required in any language
- **No limits on vocabulary** - natural language interaction for any kind of work flow
- **Wireless Headsets** – mount the mobile computer on a fork lift or wear it on a belt
- **System independence** - Win CE or XP type terminals, adaptable to any WMS or ERP

This unique combination suits VQL systems for work routines that requires rich and flexible user interaction with the information system, like returns processing, sorting, inspections, inventory and QA, in addition to simpler work routines like picking, moving, and replenishment.



VQL runs on standard mobile devices and Voice-Insight's own SmartTalk, XP based voice terminals, the most cost effective way to voice-enable existing or new logistics systems. SmartTalk's work with standard 3<sup>rd</sup> party devices and applications - barcode scanners, RFID readers, printers, sort/pick-to-light equipment, VOIP, etc. - to optimize work flows using an integrated voice interface. Additionally, Voice-Insight's Wireless BlueVQL Headsets add maximal convenience and reliability with no wires to break or terminals to handle, drop or misplace.

## Mobility, productivity for many workers in many jobs:

Each VQL voice terminal can be used by multiple workers, switch spoken languages, and run multiple functions in real-time as needed for a given operation. The system supports simple to complex job routines including:

- Returns processing. For example:
  - say a product name / code or scan the UPC to search the database
  - say and record item condition, grade, class, or status
  - say and record information read from paper documents received/scanned
  - hear and follow sort-to location instructions (to bin number or light)
- Goods picking by pallet, case, piece, or multiple orders
- Inventory, cycle counting, QA inspections
- Special handling, kitting, packing, staging, loading
- Incoming goods receiving and storing
- Equipment safety inspections, form filling, compliance record generation
- Work management: job procedure changes, labor allocation, routing/interleaving

## Enjoy The Benefits of VQL:

- **Productivity and Training** - Operators work faster and safer with hands and eyes free using the most natural, responsive, and accurate speech interface available. Active work direction and rich, context sensitive, procedural assistance drastically reduce training time and allow workers to focus on their job.
- **Data Accuracy** - Reduce the most common errors - keying wrong data, picking or putting wrong quantities, using the wrong stock location - by removing the distractions, interruptions, and difficulties of using, screens, keys, and scans to do the work.
- **Labor Management** – Labor is more affordable and retainable because lower skill requirements (no computer/local language skills, less job process experience needed) expand the pool of qualified workers and increase cross-training ability.
- **Fast Payback** – Standard system components mean low cost while wireless headsets working with lift mounted voice terminals eliminate the cost of batteries and chargers and the handling / administration of traditional handhelds and wearable terminals.

### Specifications:

- Supports Windows XP and CE based handhelds (e.g. Symbol), tablets, and wearables
- Dialogs are customized using a standard database or XML approach
- Multimodal input (Barcode scanner (wireless or wired), RFID reader, touch screen...)
- Voice control of all operational parameters (talk speed, volume, etc.)
- Extremely noise robust in any environment
- Supports “thick” (VQL can provide WMS functionality) or “thin” (dumb terminal) client, central WMS managed implementations over standard wired / wireless networks
- Languages: English, Spanish, French, Dutch, German, Japanese, Mandarin, and others

Voice-Insight SA/NV provides advanced software solutions that enable integrators and application developers to easily and cost effectively create natural speech user interfaces to enterprise applications in the logistics, asset management, geography, navigation and other domains. Please contact us for more information at the numbers and sites below.

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|---|---|---|
| <b>Voice-Insight</b> <sup>SA/NV</sup> Headquarter<br>Brussels EEBIC Building<br>40, av. J Wybran<br>B-1070 Brussels - Belgium | <b>Voice Insight Germany</b><br>Reichertshalde 31<br>D-71642 Ludwigsburg<br>Deutschland | <b>Voice-Insight USA</b><br>10523 Esquire Pl.<br>CUPERTINO, CA 95014<br>USA |
| Tel: +32 2 529 58 12  | Tel-1: +49/7141.97.474.83   | Tel-1: +1 408 666 1684  |
| <a href="http://www.voice-insight.com">www.voice-insight.com</a>  |   | <a href="mailto:info@voice-insight.com">info@voice-insight.com</a>          |