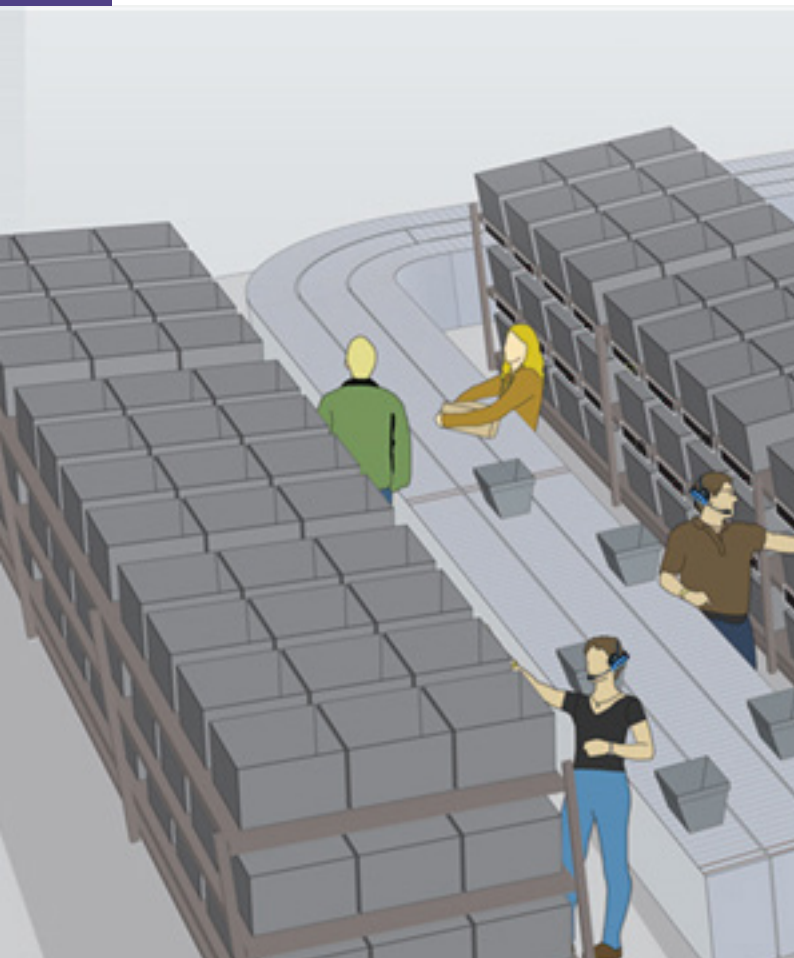# DAIFUKU

Pick-to-Voice
Voice Directed Picking System

Wynright has partnered with Vocollect™ to provide voice-direced picking solutions that generates dramatic productivity and accuracy gains, in part because the benefits gained with each worker are multiplied across the large workforce typically assigned to these processes.

With Voice, the worker is directed to a specific location, and then responds by speaking a series of check digits, which confirms they are in the correct bin location. The voice-enabled mobile computer verifies the check digits, and then directs the worker to pick a specified quantity, which the worker confirms.

In addition to keeping the worker's eyes and hands free to perform the task, this process helps reduce errors that can occur when a worker optically scans a slot and accidentally picks from another resulting in correcting nearly 80% of picking errors caused by picking the wrong product or the wrong quantity.

Optimized Workflow
Vocollect voice solutions help businesses increase worker productivity 10 to 60%, while reducing errors 15 to 80%, and training time up to 50%.

Increased Productivity
Voice picking eliminates all of the wasted motions a DC associate makes interacting with paper, electronic monitors, keyboards and scanners when executing their picking assignment. As a result, companies that implement voice picking typically realize productivity gains of 10-60%+. (The voice system can be interfaced with an ergonomic scanner to efficiently capture bar coded data if the capture of that data is required as per the picking workflow.)

Durable in Tough Conditions
We provide the top-performing voice recognition technology platform purpose-built for challenging industrial environments.

Dramatically Reduced Employee Training Time
Because the system provides the associate with simple verbal instructions and does not allow them to proceed if they provide an incorrect response, voice picking solutions are known for being intuitively easy learn for new and temporary employees. And, because Vocollect Voice systems provide universal commands like "say again" and "help", associates become productive and confident in just hours or days versus days or weeks as required for other methodologies.

Increased Accuracy
Voice picking eliminates the need for a DC associate to take their eyes away from their picking task to interact with paper or electronic monitors when executing their picking assignment. As a result of the increased focus of the associate, voice picking reduces errors by 15-80%. Companies using voice picking typically report accuracy rates of 99.9%

How it Works

Each Pick-to-Light system is easily customized for a particular fulfillment application; while details may differ, these steps indicate Pick-to-Light's common functionality across all applications.

1. Picker scans badge to log on to system

2. Picker inducts order by scanning tag or pushing "OK" at "Next" prompt

3. Lighted display indicates item and quantity to be picked

4. Item is picked; picker presses "OK" to verify completion of task

5. Zone Controller beeps and indicates where the order goes next

6. Color-coded bay lamps indicate different zones

7. Zone Controller indicates order completion

Features

- Unique, snap-in, coextruded power rail is highly reliable and allows configuration changes while picking
- Multi-color pick line displays provide zone delineation, function alert

- 8-digit and graphical zone displays
- Integrated hardware/ software recovery
- CAPS power distribution design significantly reduces upfront installation costs

- Runs on Windows OS, Oracle DBMS, CANbus network
- Comprehensive analytics and reporting
- Audible alerts enhance picking rates

Applications

Picking Strategies
Parallel pick same order in multiple lines simultaneously
Pick and Pass FIFO, sequential order picking

Batch group orders to pick as one
Cluster pick multiple discrete orders simultaneously in a zone
Wave process orders in waves for sortation

Multi-Loc use one picking device to handle multiple SKUs
Steering conveyor diverts orders only to zones with picks
Matrix pick entire shelving unit/ bay with one pick device

Pick Line Functions
Shorts Reporting reports shortages to the host in real time
Pick Recall pickers can recall quantity to pick any time during picking

SKU Assignment checks SKU/ location assignment
Order Suspension holds an order on pick line until ready to complete
Box Full pickers can call for boxes/totes to complete an order

Replenishment Requests pickers can request product in real time using the lights
Lot Control pickers can indicate lot changes using pick devices
Carton Contents Tracking splits a SKU between two shippers

Analytics and Reporting Capabilities

- Capacity planning and order queue reporting
- Zone balancing and labor required to meet schedule
- Zone reconfiguration recommendations

- Labor, zone, and system productivity reporting
- System and zone velocity analysis
- Zero location alarm and zero count confirm

- Real-time error handling, event broadcasting, and recovery reporting
- Location error and quarantine reporting