Kerridge
Commercial Systems

ePick for Autopart – Key Functionality Summarized

ePick for Autopart – This document summarises the key functionality available within the ePick application (app).

Introduction

The ePick for Autopart app is designed to guide users through the picking process by allowing them to select one or more pick notes and systematically process each item. The app directs users to the correct bin locations, where products are scanned to increment the picked quantity. Quantities are confirmed by pressing Enter.

ePick supports the picking of automotive parts within a warehouse environment and is compatible with Android operating systems, including support for industrial scanners (e.g., Zebra) and camera-based barcode scanning.

Key Application Features for Picking Include:

- Users can select pick tasks from within the app by browsing the available picks, entering a document number manually, or scanning a barcode to directly load a specific task.

- After selection, the app displays all lines to be picked in primary bin sequence (if defined in the stock record); otherwise, it defaults to bin location sequence.

- When a product barcode is scanned, the system automatically increases the picked quantity based on the product's unit configuration.

- Scanning a barcode increments the quantity on the first matching line that contains the product, even if multiple units are required.

- Users can also manually highlight a specific line and enter the picked quantity using the physical keyboard. The system supports ad hoc
- picking and allows building a pick list progressively, facilitating quick and flexible picking workflows.

- During picking, if a user is unable to fulfil the full required quantity (an under-pick), the app prompts the user to select a reason code (e.g., out of stock, damaged item) to explain the shortfall.

- All under-picked lines with reason codes are added to a verification queue. A user with elevated permissions—such as a supervisor or inventory checker—will then review these lines as part of a zero-pick process. This user will visit the corresponding bins to validate the under-pick reason. If stock is truly unavailable or unfit, they confirm the under-pick. However, if the item is deemed pickable (e.g., the packaging is damaged, but the product is intact), they may override the under-pick and proceed with fulfilling the order.

Summary factsheet

Key application features for Packing include:

Required packing tasks may be selected while within the app. The user can display all available packs for selection; they can key in a document number or scan a barcode to select the specific task.

The user can leverage the app to move an item from one packing container to another, in cases of fulfilling another order.

3 main entry points in the packing process:

1. **Ad hoc –** start from a blank list and build a list of pack notes to work with

2. **Pack list** – Select pack tasks from a pre-populated list

3. **From location** – scan a location or container and the system will tell you what to pack

Each entry point results in a list of items to pack. Fill items line by line to complete the pack tasks. Confirm locations, scan totes and containers. Then scan to increase quantity or use keyboard on device to add the total quantity.

Tote to tote – repack items from one tote to another – scan the current tote and a new tote, then scan items to move into the new tote.

Pack enquiry – display what's in a tote – products, quantities, and which customer and account number they are for Printer Label Option – print a label to put onto the tote

Clear Container – when the user wants to repurpose a tote, they can scan the tote, clear all existing content, and begin the packing again.

Summary of solution objectives

This two-step process serves multiple business objectives:

- **Inventory accuracy** – Ensures stock discrepancies are validated in real-time before adjusting records.

- **Operational accountability** – Provides traceability for why items weren't picked.

- **Service reliability** – Helps reduce false stock-out situations that could delay customer orders.

- **User training feedback** – Allows supervisors to detect patterns of frequent mislabelling or picker error

Alternative Picking

During standard picking, the ePick for AutoPart app guides the user to scan a bin location, which filters and displays all pick lines (products) assigned to that bin. Each product has a primary location, and scanning that location will show all products that are supposed to be picked from there.

However, in real-world scenarios, stock may be misplaced, damaged, or unavailable at its primary location. To support this, each product also includes a preconfigured list of alternative bin locations. These alternative locations indicate where the same product might be available elsewhere in the warehouse.

The ePick for Autopart app optimizes the picking flow by automatically checking whether any product's alternate bin list contains the currently scanned bin location. If so, that product is included in the filtered list for that bin, even if it's not its primary location. This allows the picker to pick the product immediately—without needing to visit its primary bin—as long as the stock is physically present and valid.

This feature is available to all users, and any product picked from an alternate location is explicitly tracked in the system. The source location of that pick line is updated to reflect the bin from which the product was actually picked, ensuring full traceability and accurate stock reconciliation.

Summary factsheet

Quick Pick Interrupts

In dynamic warehouse environments, urgent pick tasks can arise unexpectedly—these are handled through Quick Pick Interrupts (QPI) in the ePick for AutoPart app. A quick interrupt is an urgent, time-sensitive picking task that can be injected into a user's current workflow based on system logic, time constraints, or user permissions.

Quick pick interrupts are triggered by backend systems and injected into the active picking session. When an interrupt is received, the picker is forced to acknowledge it via onscreen alerts and audible cues. Once accepted, the user is temporarily redirected to complete the interrupt task, after which they are automatically returned to their original picking task.

All users can receive quick interrupts, but eligibility is evaluated dynamically:

- The system determines whether a user is eligible based on their **current activity state** (e.g., users already busy with a quick interrupt will not be interrupted again).

- Eligibility also depends on the **zones selected** by the user during login, ensuring that quick interrupts are assigned to pickers in the most relevant areas.

- When users land on the app's landing screen, a **Quick Interrupt Eligibility API** is called to determine their real-time readiness.

Additionally, if a user has been configured with the appropriate permissions, they can access a dedicated **Quick Interrupt tile** from the picking menu. This allows them to manually select from a list of pending quick interrupt tasks if required.

Quick interrupts are **visually integrated into the normal Picking In Progress interface**, making them feel seamless while still standing out with strong alerts to ensure urgency is acknowledged. While explicit urgency levels are not tracked in the system, **overdue indicators** (e.g.,"15 min overdue") help guide response times and reinforce task priority.

Provision of this Service is subject to Customer maintaining supported device OS.

About Kerridge Commercial Systems (KCS)
KCS provides advanced, fully integrated business systems, installation and support services for the manufacturing, wholesale and distributive markets. The company has over 40 years of extensive knowledge and experience of working with wholesalers, distributors and manufacturers across many sectors. The company's class leading solutions are functionally rich and highly flexible.

The KCS product solution set has a track record of delivering wide-ranging benefits including greater operational efficiency, cost savings and resource and asset utilisation, together with real-time information for management decision making.

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