



RF/BAR & RF/ID:

Simplifying Software, Inc.



Quick-Picking Work Order Kits:

Pasco Scientific Ignites 21st Century Science Education with Responsive Picking of Science Kit Work Orders using RF/BAR[®]

Company: Pasco Scientific, Inc.

Facilities: Roseville, California

Operation: Science Education Experiments manufacturer

Pasco Scientific, Inc is a privately held, Roseville-based science education technology company focused on pioneering science education around the world.

The Challenge: Pasco's growing stockroom demanded an efficient work order kitting solution that would provide for quick picking of Work Orders. Previously, the entire component stockroom was in one inventory location ("2") in MFG/PRO. Pasco began by defining more detailed inventory locations, based on their existing, physical Room | Aisle | Shelf | Slot locations (e.g., "2C14B"). A new Quick-Pick-Master file specifies each part's quick-pick location and additional overflow locations, as well as quick-pick location "capacity" measured in quantity and volume.

The Solution: Mark Beaber, Pasco's Stockroom & Warehouse Supervisor, says that the most important criterion for the new Work Order Pick solution was that picks be performed in quick-pick location order. Fast picking, in location order, would result in accurate kits, and thus efficient assembly and accurate inventory. Mark's people worked hard to implement the detail stockroom locations.

RF/BAR Work Order Picking
Screen-shot

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WORK ORDER PICKLIST
W/O: 01088002
QTY ORDERED      213
BKFL LOCN: GLXIA
SCAN LOCN: █
PART #: 004-08938
SCANPN:
REQD:      213
AVAIL:     348
PICKED:    213
LABELS:           1
ENTER LOC/QTY
```

Simplifying Software's RF/BAR Work Order Pick program -- developed specifically for Pasco's discrete-component kitting environment -- relies upon the RF/BAR PO Receiving process, and the printing of bar-coded component labels. Also, when choosing which work order to pick next, any work orders that are currently being picked by other people are excluded from the display, so in-process orders are not double-picked. Once an order has been chosen to pick, the pick-list for the order is displayed at the top of the screen. As a picked Item's bar-code is scanned, the contents of the bar-code are displayed at the bottom of the screen, to assure that the pick matches the top-of-screen pick-list. (No paper pick-list needed!)

The Result: Mark Beaber reports that "picking work orders on-screen, ordered by the new quick-pick detailed inventory locations, have greatly improved the kitting process since implementing the RF/BAR Quick-Picking program. My stockroom staff is continuously simplifying the pickers' routes by designating more efficient, clustered by parent item, inventory locations for all components, moving towards optimizing pick time. We have much more optimizing to do, but Simplifying has provided us with a flexible foundation that allows for continuous improvement of our processes."

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