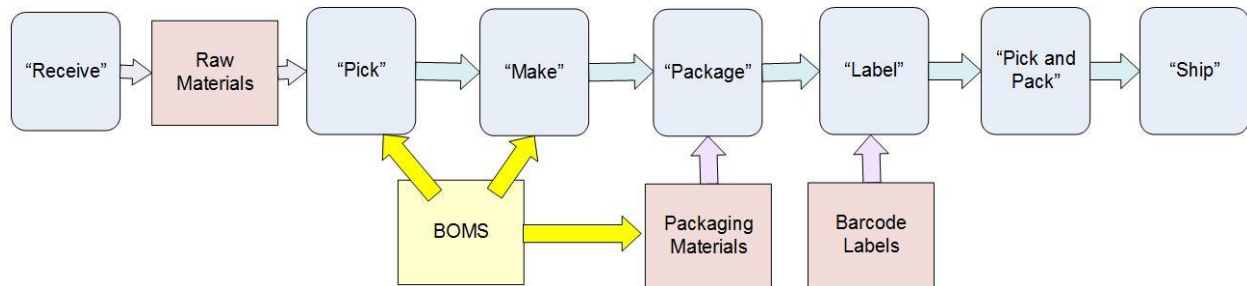


BellHawk Data Sheet Real-Time Operations Tracking System (RTOPS)



The BellHawk Real-Time Operations Tracking System (RTOPS) is an integrated materials-tracking-and-traceability and operations-tracking system which is used by manufacturing, processing, testing, repair and distribution organizations in the industrial, medical, and construction supply chains to track the flow of materials.

RTOPS tracks the receipt and put-away of raw materials, their transformation through a sequence of production operations into intermediate and then finished products, and then their packing and shipping to customers, in real-time.

RTOPS integrates the license-plate-number (LPN) container tracking capabilities of BellHawk MTS and the production tracking capabilities of BellHawk SPTS and adds the ability to track the transformation of materials through a sequence of operations, including tracking the production and consumption of work-in-process materials.

This enables BellHawk to capture the cost of making each product as well as capturing a materials traceability history of which materials were used to make each product as well as who worked on which operation in making the products.

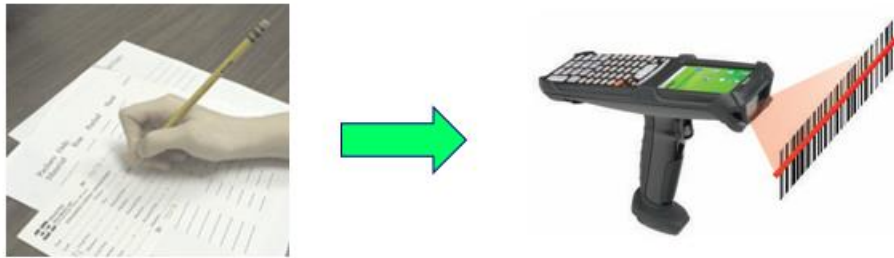
RTOPS also adds the capabilities to store the BOMs (bills of materials) required for each operation to make products as well as well as to store the expected labor and machine time for each operation.

This enables RTOPS to prevent mistakes, such as using the wrong materials on each operation for a work order, in making a batch of products. It also enables comparison of actual versus predicted costs for making each batch.

BellHawk RTOPS is designed to capture all aspects of transforming raw materials into finished products, including:

1. Providing managers, supervisors, and other staff members with a real-time view of work orders and materials, including the status of work-in-process (WIP) inventory and customer orders.

2. Collecting actual cost data in terms of labor and materials consumed to make products and compares this with projected costs.
3. Preventing mistakes, such as using the wrong materials for making a product, by comparing materials scanned-in with stored bills of materials for making products.
4. Tracking materials by lot-numbers, serial-numbers, and expiration dates and builds a traceability history of which materials were used to make which product.
5. Capturing performance data, such as how long each operation takes in making a product, how many parts were scrapped and the reasons, and how long materials were waiting at a location before being used or worked on.



One of the primary benefits of RTOPS is the labor cost savings and mistake prevention in transitioning an organization from using paper forms and manual keyboard data entry to doing real-time data capture using technologies such as barcode scanning and mobile computers. This not only gives managers a real-time view of the status of their operations but enables the system to warn material handlers and machine operators when they are about to make an operational or data collection mistake.

RTOPS is simple to use. All users need do is to use a PC, Mac, or Android based data collection device and point the web-browser on the device to the URL of the organization's private website. There is no special software to load. Data can be collected with any device with an external or internal barcode scanner that runs a modern web-browser.

Best of all, operational data can be viewed in real-time anywhere, and at any time, users have an Internet connection, including using smart phones and iPhones over the mobile phone data network. This enable organizations to track their materials and operations at multiple geographic locations including field and construction sites and on support and delivery vehicles.

RTOPS can be used stand-alone or can automatically exchange data with a wide-variety of legacy and Cloud-based ERP and accounting systems. This enables BellHawk to be used as an extension to these systems to add the LPN materials and work-in-process tracking capabilities of BellHawk.