BellHawk Data Sheet
Simple Production Tracking System (SPTS)

Overview

BellHawk Simple Production Tracking System (SPTS) is a simple-to-use system that uses barcode scanning to track the progress of work orders through a sequence of operations. SPTS also captures the labor expended by individual people or teams on each operation.

SPTS is designed for use in manufacturing, fabrication, engineering, construction, assembly, repair and other industrial organizations.

SPTS gives a real-time view of the status of work-in-progress and captures the labor expended for subsequent analysis. Management users can print out reports or download Excel exports giving the status of work-in-progress and showing how long work orders are held up between operations.
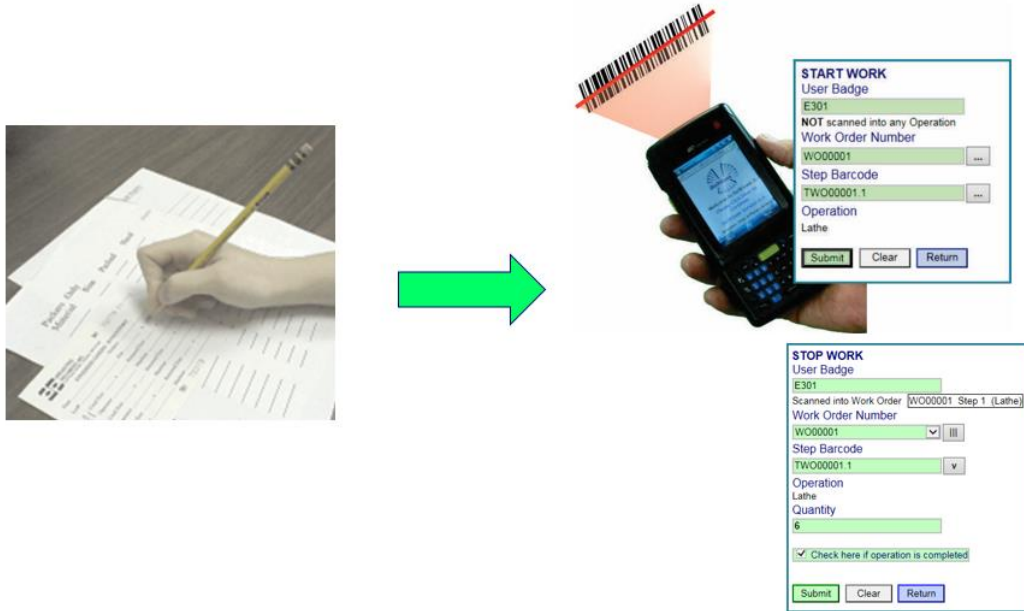
How SPTS Works

With SPTS, users can set up production routes, and then use these to produce barcoded travelers, as shown here. These travelers can be scanned to track batches of material or individual items.

Alternately these work orders can be imported from another system using one of the available interfaces for BellHawk.

Operators can then record the start and end of each operation by scanning the barcodes on these travelers. This includes recording their labor start and end times by scanning a barcode attached to their badge. They can also record the quantity produced or processed during this time.

Work Order

Importance:	Standard
Date Wanted:	12/22/2015
Sales Order #:	
Customer:	CDE Furniture Manufacturers
Instructions:	Make Stainless Steel Knobs

WO00000101

Step # : 1
Operation: Production: Lathe
Step Instructions: Lathe

Step # : 2
Operation: Production: Drill and Tap
Step Instructions: Drill and Tap

Step # : 3
Operation: Production: Polish and Inspect
Step Instructions: Polish and Inspect

SPTS enables organizations to easily transition from using paper forms and manual keyword data entry to having their employees directly capture work order tracking data on the shop floor. The biggest advantage of this transition is to enable managers to see the status of all their jobs in real-time so they can easily spot jobs that are in trouble or need extra attention. It also enables subsequent analysis of the labor performance of different workers.

SPTS is designed for use by shop-floor workers who have limited computer literacy. By using barcode scanning manual data entry is minimized. Also SPTS warns users if they make a data collection mistake and allows immediate data correction. SPTS only captures the minimum data needed for each tracking situation. This minimizes training time and eases the introduction of data collection technology to the shop floor.

SPTS enables the recording of time actually worked, as separate from the elapsed time to complete each operation, by enabling users to scan-out when they go on break or their shift ends. SPTS can also allocate labor time when someone is working on multiple work orders at the same time.

Managers, supervisors and customer support people, can then see the status of all the work orders in real-time, including how long each work order has taken or has been held-up, since completion of the last operation, waiting for the next operation to begin.

Managers are able to download Excel exports showing the progress of work orders, the elapsed time for each operation and how much labor was required. They are also able to get a labor report by work order or employee showing the amount of labor time, elapsed time, and quantity produced for each operation on the job.