



## **U.S. Patent Issued to Computer Software Corporation for a Wireless On-demand Labeling System**

Proprietary Device Installed at the Production Line Prevents Errors  
in Labeling Finished Product

Cleveland, OH December 12, 2011 -- Computer Software Corporation, dba SPEDE Technologies, a software and systems integration company specializing in wireless inventory labeling and control systems, was issued U.S. patent number 8,064,082 for "a system and method for printing labels on demand". The patented system enables manufacturing companies to error-proof their container labeling process by printing labels on-demand, at the production line, using a simple RF push-button device that automatically prints the correct label for the part number being made.

The patent relates to the SPEDE Push-button Labeling system, developed by Robert J. Bunsey, President, and Richard J. Bunsey, VP of Systems Development, both of Cleveland. The SPEDE Push-button Labeling System consists of the proprietary SPEDE RF Push-button device and the SPEDE Labeling application software that runs on a PC server connected to a 802.11 network. The name SPEDE, (pronounced "speedy") is an acronym for Scanning Platform for Electronic Data Entry.

### **Designed for Automotive Compliance**

The SPEDE Push-button Labeling system was designed for automotive suppliers to comply with OEM mandates for 100% accurate product labeling. "Automotive OEMs operate in a just-in-time environment, so they have zero-tolerance for receiving mis-labeled product", explained Bob Bunsey. "If any part of a shipment is mislabeled, the entire shipment can be rejected - even if the physical parts are correct. This puts a huge burden on the supplier to error-proof their labeling process, or risk losing their biggest customers."

## **On-demand Printing in the Work Cell**

The SPEDE RF Push-button is a small 5x7inch device that is installed in a work cell. It is connected to a barcode printer in the work cell, and to the facility's 802.11 network.

Before labels can be printed, the Push-button must be set-up for the part number being made. This set-up process, usually performed by a supervisor during machine set-up, consists of scanning the barcoded Push-button ID and a barcoded work order or part number. The SPEDE Labeling software creates a logical association between the Push-button and the part number, and stores this data along with the label detail to be printed for that part. Once a Push-button is associated with a specific part number, it will allow only the label for that part number to print.

When a label is needed, the machine operator pushes the button to send a command to the SPEDE Labeling software. The SPEDE software identifies the Push-button that sent the command, retrieves the associated label data, and sends it to the printer connected to that button. The label prints and is immediately applied to the container of parts being packed.

"The biggest causes of labeling errors are operator decision-making or confusion about which label to print, and, pre-printing labels in advance and then applying them to the wrong containers. Push-button Labeling eliminates those errors", Mr. Bunsey said. "In fact, we have customers using up to 60 Push-buttons in one facility, and printing 350,000 labels per year, without a single labeling error."

## **Push-button Technology Can Interface to PLCs**

To fit the labeling requirements of its diverse manufacturing customers, SPEDE Technologies developed several variations to its Push-button Labeling system. For example, a modified version of the patented device can be interfaced to a PLC, to trigger labels to print automatically when a pack count of "good" parts is made. "By connecting a simple RF input device to a PLC, we can totally automate a labeling process. The result is 100% accurate product labeling because there is no human intervention to cause errors", Mr. Bunsey added.

## **About SPEDE Technologies**

Founded in 1980, SPEDE Technologies is a software and systems integration company headquartered in Cleveland, Ohio. The company specializes in

implementing real-time wireless solutions that label, track and trace Raw Material, Work-in-Process and Finished Goods inventories, and automate material handling processes from Receiving to Shipping. Customers are mid-sized to Fortune 500 manufacturers in the automotive, industrial and consumer products sectors, with multiple facilities throughout the U.S., Canada and Mexico.

For more information about SPEDE Technologies and its solutions for on-demand [Line-side Labeling](#), [Real-time Material Control](#) and [Real-time Warehouse Control](#), please visit [www.SPEDE.com](http://www.SPEDE.com). Or call 888.808.4237.

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