

# Solutions Technology Group, LLC

# Application Note Line Side Printing

## **Defining the Problem:**

Parts suppliers are now being required to print labels as they make the product at the assembly line. The label must be printed automatically and verified that the correct label was added to the part.

#### **Solution:**

Automate the process to where the machine automatically selects the part number being manufactured, triggers the label to be printed and receives a signal verifying the correct bar code was scanned.

## How to Do It:

INTEG, along with its systems integration partner, Solutions Technology Group, have teamed up to create and implement a cost-effective, easy to use, flexible system based on the INTEG JNIOR Automation Controller that can reliably interface with signals from the production line, print bar code labels, and interface with bar code scanners for label verification.

## System Features:

- No PC required, just the JNIOR controller
- Serial and/or Ethernet Connections for Printer and Bar Code Scanner
- Web interface for configuration/monitoring
- Print Directly to Label Printer or send commands to business system to print
- Digital Inputs for control signals
- Relay Outputs to provide Go/No-Go signals



JNIOR 410 with Zebra Printer and Bar Code Scanner





The INTEG JNIOR Automation Controller is a next generation controller. It is not a PLC, PAC or PC. It is a flexible, reliable controller with PLC and PC like characteristics. The JNIOR has digital I/O and expansion modules, web server, Secure HTTPS, Telnet, FTP, email, Java Virtual Machine (JVM), and a variety of other features.

#### JNIOR Automation Controller and the

#### **Line Side Printing Application**

With a modern web server, the JNIOR allows for quick development and implementation of dynamic web pages using HTML5 and web sockets for real-time connections.

The Line Side Printing web page has login security and provides the needed functionality to set-up the application.



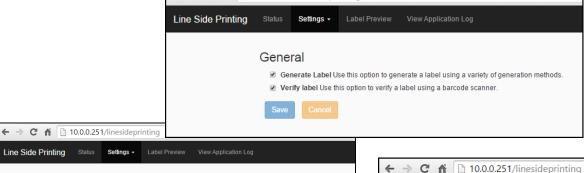
Settings ▼ Label Preview

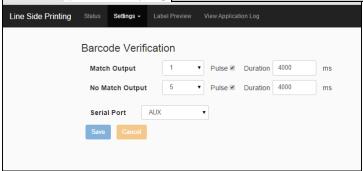
Printer Type

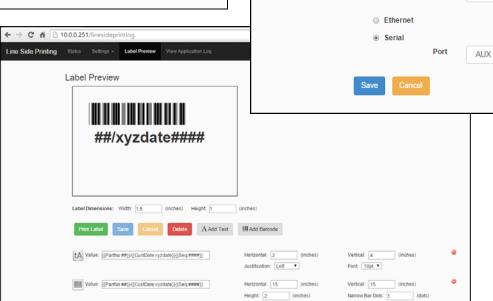
ZEBRA ZT230 - 203dpi

**Label Generation** 

AS400 via FTPDirect Printer







Line Side Printing



Get Connected. Get Results.