



Accessories for CC+I's Production Line Monitoring System Keep You Informed When You're on the Go

PLMS Accessories

Key Benefits:

BlackBerry App

- Provide Important Productivity Benefits For Mobile Users
- Continuous Access To Manufacturing Information When And Where You Need It
- The Same Security Used To Secure You BlackBerry Emails Is Also Used For The BlackBerry Web App
- No Additional Configuration To The Device Is Required
- Supports The Latest BlackBerry Devices Including The 8330, 8830, 95xx, And 9630

Digital Signage

- Real-time Feedback Keeps You Plant Personnel Well Informed
- Digital Signage Has the Capability To Be Updated And Refreshed
- Flat Panels Look Good And Give Your Plant A Professional Finished Appearance
- Pricing For Flat Panels Is Now More Affordable Than Most LED Matrix Displays
- Lightweight Design And Wireless Ethernet Makes Installation Much Easier And Less Costly

Computer Control + Integration, Inc.

Beverage Suite

Stay in Touch ... Even When You're Out of the Plant

Do more with your BlackBerry Smartphone with the CC+I BlackBerry Beverage App. This application is the perfect companion to the Production Line Monitoring System, allowing you to get to your production information from anywhere.

- Keep track of production at any and all times
- Monitor critical production quantities
- Quickly understand downtime issues

Installation Made Easy

The interface uses a secure web based approach, using the BlackBerry Browser. This eliminates having to deploy and load a custom application on individual devices.

Secure Access

The same security used to secure your BlackBerry emails is also used for this access. BlackBerry devices that can already attach to the secure network using your corporate BlackBerry Enterprise Server, have the capability to run the CC+I Beverage App over your corporate Intranet.



BlackBerry Curve Model 8330

Individual Line Status

Digital Signage Keeps you Informed

Flat panel displays are an effective feedback tool, providing up to the minute information to your associates, as well as a vehicle to showcase your technology.

LCD Flat Panels VS. LED Matrix Displays

There are many advantages to using flat panels for digital signage vs. the alternative, high end LED matrix displays. The current pricing of LCD displays is now considerably lower. Flat panel LCD displays are basically an "off-the-shelf" item, available from any large electronics retailer. They are much lighter and thinner than high end LED matrix displays, requiring much less in terms of mounting hardware and supports. Flat panels look better, allowing you to show graphical based content, update content periodically, even include your own PowerPoint presentations, if desired, within the content.

Real-Time Performance Feedback

Each display unit shows real time performance feedback. Performance feedback screens can consist of several key measures. These may include real-time cases per hour, current effi-

ciency, lost time analysis, weekly trends, etc. Items are shown in both graphical and digital formats, allowing for quick but informative evaluations. Screens are displayed for approximately 10-20 seconds before cycling through the next form. This provides a uniform presentation for up-to-the-minute feedback as well as an easy to read format to obtain pertinent line information.



46" LCD Flat Panel
Individual Line Status

Other Production Monitoring Modules from CC+I

Print & Apply Pallet Labeler

Pallet labeling is an essential element for improving tracking capability of finished products. Key features associated with the applicator systems include:

- **All electric applicator** - uses a precision stepper motor for applicator arm motion, eliminating the need and problems associated with a compressed air supply required by competitive units.
- **Operator setup is simple** and practically fool-proof - the user obtains a bottle label/can body, scans the UPC code with the tethered hand held scanner supplied for each applicator.
- **No PC required** - embedded printer engine includes enough computing power, I/O capability, and solid state memory storage capacity

- **No dependency on the plant LAN** - during normal operations. Each applicator operates in an independent, stand alone fashion.
- **Simple network based host application** - used to transfer new product information entered at the host level, for remote diagnostics, and program updates.
- **Label Information** - may include product description, UPC code, SKU number, expiration dates, etc.
- **Production time stamps** - a battery backed real time clock/calendar provides the time stamps encoded in the label information.

Real-Time OEE

- Additional Line Sensors provide Real-time rejection rates, providing necessary counts for quality measurement.
- Real-time analysis of performance, availability, and quality indicators
- Metrics focus on OEE—how effectively is manufacturing equipment being utilized

Marquee Feedback

- LED displays allow operators to get up-to-the-minute feedback on their line performance.
- Additional communication features allow messages to be broadcast indicating important information, such as "Date Codes, Promotions, etc."



The Print & Apply Pallet Labeling Applicator Systems provided by CC+I, utilize Intermec printers.

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Systems with Value, Plus.



Computer Control + Integration, Inc. (CC+I, Inc.) was founded by a group of design engineers and top management personnel charged with the responsibility of designing, developing and successfully implementing computer integrated manufacturing systems used internally throughout a large multibillion dollar manufacturing corporation. In July 1988, this group formed a private company and began applying this same factory floor automation and management information systems experience to different manufacturing sectors, in particular the food and beverage industry.

For more information about systems that CC+I has developed and implemented for the beverage industry, call us today at 864-458-7587.

www.ccplusi.com