APPLICATION SPOTLIGHT

Scanning the Market for a Solution

An early warning signal where there is smoke or fire can mean the difference between safe evacuation and fatal consequences. A manufacturer of fire detection devices developed an enhanced state of the art system to monitor any changes in environmental conditions, and send an alarm when changes indicate a cause for action.

As systems and production became more sophisticated, the need to capture more data during the manufacturing process, became critical. As the level of information storage increased, the size of available space to label on some components decreased.

The goals were simple: find a way to store better than 30 characters, in less space, permanently, reliably, and cost effectively.

The first step was to incorporate a 2-D technology - *The Data Matrix Code*. The Data Matrix Code provided the necessary information including part numbers, serial numbers and work in process information for each marked component in less than a 1/4" X 1/4" space. The Data Matrix Code could be printed on a label or etched directly on a part which offered consistency in technology, with the flexibility to choose the right identification method at the component level.

Winco provided a 2-D image scanner device with the versatility to read both linear and 2-D bar codes, as fixed station, in-line and hand held, on printed labels or laser marked directly on parts. This manufacturer is keeping with the standard in parts marking and can use the information for quality control, production, inventory, and order fulfillment. The information is virtually permanent and tamper-proof offering a reliable source for financial reporting, management decisions and unsurpassed product performance.

PROBLEM STATEMENT

With shrinking real estate on pc boards or components, and complex, systems requiring more available information, manufacturers are forced to look into alternative solutions.

SOLUTION

Quickly and accurately scanning linear and 2-D bar codes on labels or directly laser etched bar codes using one type of scanner, valuable information is available for product performance and enterprise-wide use.

**Winco specializes in tough to solve applications.
To find out more information about the work we do in your industry, visit our web site at *www.barcode-winco.com.*
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