New Product Release

Bar Code Verifier Tool

QEA is pleased to announce our new Bar Code Verifier Tool
Dynamic Link Library (DLL), available as an option
for users of our IAS-1000 and IAS-2000 series products.

The Bar Code Verifier Tool for our IASLab® analysis software, analyzes the print quality of Code 39 and Code 128 one-dimensional bar codes.

Bar codes contain an abundance of information, and printing systems that deliver high bar code print quality ensure that scanners will be able to decode that information every time, even in scanning environments that may be less than ideal.

Analyzing bar code quality can now be done quickly and precisely. Once QEA's Bar Code Verifier is added to the tool library of your existing IAS-1000 or IAS-2000 system, bar code verification becomes a totally integrated, seamless part of your system's functionality. With this tool a separate bar code verification instrument becomes a thing of the past. Time spent handling samples decreases markedly. Integrating results from two different systems no longer slows you down.

The Bar Code Verifier tool, like other tools in QEA's IASLab systems, uses applicable standards as appropriate. The Bar Code Verifier conforms to definitions detailed in ISO/IEC 15416:2001 (Automatic identification and data capture techniques—Bar code print quality test specification—Linear symbols), ISO/IEC 16388:2007 (Automatic identification and data capture techniques—Code 39 bar code symbology specification) and GS1 General Specifications (Version 14 Jan 2014).

The IASLab software automates the analyses, and the combination of international standards and automation makes bar code verification with QEA's Bar Code Verifier fast, efficient, reliable and repeatable.

The Bar Code Verifier performs a variety of measurements and calculations, including:

- Contrast—the difference between the highest- and lowest-reflectance (lightest and darkest) values in the reflectance profile of the bar code
- Modulation—the lowest contrast detected at an edge boundary between an adjacent pair of elements relative to the overall contrast in the bar code
- Decodability—how readily bars and spaces of different sizes can be distinguished, which determines how well a scanner can to read the information in the bar code
- Defects—irregularities found in bar code elements
- Grade—a combined measure of bar code quality

Using the Bar Code Verifier involves setting just a few parameters, defining a Region of Interest to tell the software where to take the measurement, clicking the Bar Code Verifier Tool icon to launch the test, and watching the results appear on the monitor. Bar Code Verifier results can be saved, just as you can save results for the other tools in your toolkit.