

## Bytewise Launches CrossCheck™ Laser Profile Sensors for 3D Measurement

New **CrossCheck™ Laser Profile Sensors** provide high resolution profile measurements at an industry leading price point. The CrossCheck™ sensor includes real-time shape tools to measure thickness, height, width, angle, radius, location, and other shape-based parameters. CrossCheck™ can be installed in-process or off-line to qualify product and part dimensions, output Pass/Fail trigger alerts, and interface to control loops. Additionally, the CrossCheck™ visualization software displays graphical measurement results in real time.

(Vocus/PRWEB ) June 23, 2009 -- With over 20 years of profile measurement experience, Bytewise now extends its product offerings to include a line of sensor products to solve everyday measurement applications for scientific and factory applications. The CrossCheck™ product line offers customers affordable **high-resolution, laser profile sensors** that enable the end-user to develop less complex, in-house solutions. At the same time CrossCheck™ provides low-cost sensors that system integrators can employ in more complex measurement solutions.

---

“ The CrossCheck™ pre-calibrated laser profile sensors are a great alternative to integrating a smart vision camera and laser line while the cost is less than the price of a single point triangulation sensor ”

---

“ The software is simple to use and rich in features so any company will improve their production and dimensional quality without breaking the bank. ”

---

The entire organization now benefits from the low cost profile measurement solution. The New **CrossCheck Laser Profile Sensors** provide R&D, Engineering, Production, Quality and Maintenance personnel an excellent non-contact 3D measurement tool that improves product and production quality. While the CrossCheck™ laser is the primary measurement device the CrossCheck Software provides users with simple to use “shape tools”. The **Shape Tools** are used to fit data to a Circle, Rectangle, Vertex, Line, Gap, Bump or Step Change. The shape tools are used to set up tolerances and calculate real-time product dimensions to control radius, diameter, height, width, angle and location of key features. There is a Master Profile Comparison tool that insures the shape of a part stays within the actual profile limits. Bytewise has designed the CrossCheck™ product line for a wide variety of factory automation applications including process control, part inspection, robotic guidance, and shape check.



**CROSS** **CHECK**  
LASER PROFILE SENSOR

**CrossCheck Laser Profile Sensor**

“The CrossCheck™ pre-calibrated laser profile sensors are a great alternative to integrating a smart vision camera and laser line while the cost is less than the price of a single point triangulation sensor” says Michael Harris, Founder & Technical Director. “The software is simple to use and rich in features so any company will improve their production and dimensional quality without breaking the bank.”

An **CrossCheck Starter Kit** is available and priced at \$9,950.00. The Starter Kit includes a CrossCheck™ Laser Profile Sensor (30mm, 50mm or 100mm measurement range), and CrossCheck Software to analyze product profile data. The user can set up Pass/Fail trigger alerts and output two analog feedback control loops for direct machine control. Data can be collected and stored to a file while the user can retrieve multiple recipes for product lines that vary in size and dimension. The Starter kit also includes a Universal Articulating Arm to securely mount and hold the sensor during measurement. The Multifunction I/O Device outputs the Pass/Fail trigger alerts plus analog control loops, while the Visual Signal Indicator outputs Red, Green and Yellow alarm status to operators. The kit is backed by a 30 Day No Risk Evaluation period.

### About Bytewise Company

Bytewise is a premier supplier of non-contact, profile measurement systems since 1989. Located in Columbus, Georgia. Bytewise specializes in measurement solutions for the tire, extrusion, roll forming, forging, casting, and web process industries.

CrossCheck™ 3D line laser sensors solve everyday measurement problems for scientific and factory applications. To purchase or get more information on the CrossCheck™ Laser Profile Sensor contact Michael Snow at Bytewise 1150 Brookstone Centre Parkway, Columbus GA, 31904. Telephone (678) 807-8400, FAX (706) 323-0178. [www.BytewiseSensors.com](http://www.BytewiseSensors.com).