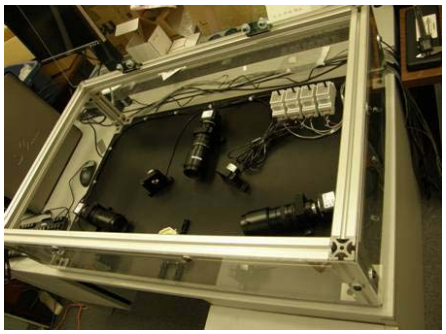
# VisionGauge® Application Newsletter

Vol. 10. September 2008

## What can VisionGauge® products do for you? Read examples of applications that VisionGauge® products have successfully solved!

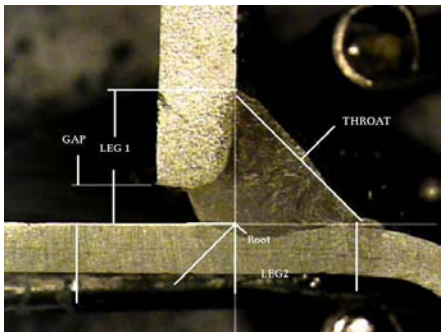
## Multi-Camera Vision Systems



VISIONx INC. has developed a multi-camera vision system. These systems are perfect for applications requiring different views of a part or inspection of multiple lanes. VisionGauge® OnLine allows the user to create inspection programs that can switch quickly between cameras and process numerous images on-the-fly. These vision systems are able to be configured with multiple high-resolution digital cameras and repeatable illumination with several light sources controlled by the software.

Our **multi-camera vision systems** can fit directly into a process line or are available as a stand-alone system.

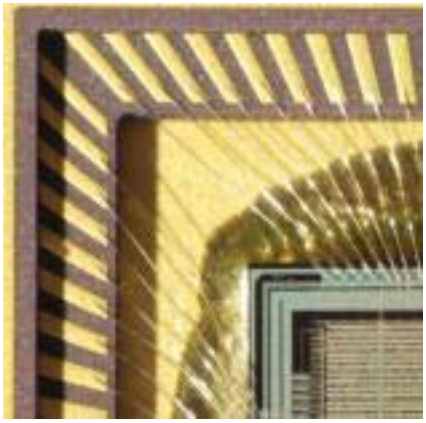
## Highly Accurate Weld Measurement Systems




VISIONx INC. has recently developed a system to measure welds for quality control inspections. This was possible thanks to the specific **weld measurement** capabilities that our VisionGauge® Machine Vision Software has. Our software is capable of measuring generic welds, concave isosceles 45 welds and convex toe - toe welds.

After the measurements were taken, this information was used to create reports and trigger signals, all of which are tasks simply handled by VisionGauge®.

## Wire Bond Inspection and Measurements



VISIONx INC. applied the high accuracy of our Automated Visual Inspection (AOI) Systems to perform micron accurate **wire bond inspection and measurements**. The systems delivered included measuring loop height, wire length and other features. VisionGauge® Online has the ability to control three dimension movements and have automatic focus among many other features.

In addition, all the power of VisionGauge® Online is included with every system. This means that new programs can be created for different parts or different types of inspections. The system includes various levels of magnification, direct and reflective lighting as well as a joystick to move the system manually.

***To find out how we can solve your specific application needs, please contact us***

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