



LEARN HOW OUR CAMERAS ARE BEING USED

LUMENERA'S 6.6 MEGAPIXEL USB 2.0 CAMERAS DEPLOYED BY SPG DATA 3D

"Lumenera's camera technologies, combined with man-years of software development, have allowed SPG Data 3D to reach its current level of success. We see Lumenera not only as a camera provider but as a team member that contributes to reaching our goals." Myriam Côté, VP Engineering, R&D, SPG DATA 3D

SPG DATA 3D, a supplier of automated turnkey systems for acquisition of three-dimension (3D) coordinates, has recently upgraded to Lumenera's 6.6 megapixel USB 2.0 digital camera for quality and in-process control inspection.

Previously, SPG DATA 3D had fully integrated Lumenera's Lu175 (1.3 megapixel USB 2.0) camera into its 3D measurement tool. As a company that specializes in the customization of 3D systems for a wide variety of applications with very strict requirements, SPG DATA 3D recently had a demand for increased resolution. Myriam Côté, VP Engineering, R&D, SPG DATA 3D, shared her views on why she selected Lumenera's Lw620 camera for design into their specialized system:

- **Wide camera selection** – Lumenera offers 40+ industrial camera models and custom imaging solutions to fulfill a wide range of project requirements.
- **High monochrome resolution** – the Lw620 has a unique 6.6 megapixel image sensor for increased image detail under various lighting conditions. The higher resolution allows for tighter tolerances required in 2D and 3D applications.

- **Good sensitivity** – allows for superior image quality and per pixel accuracy in measurement of 3D images.
- **Common API** – advanced camera functions are common throughout all Lumenera’s USB camera models, which made integration of the new camera model simple and easy.
- **I/O control** – for synchronization with light source and peripheral devices.
- **Excellent support and fast delivery** – never a question of who to call for technical assistance, imaging expertise and integration support.
- **Overall value** – product quality and a price point that meets SPG Data 3D’s cost targets for this product line.

Customer demands for process improvements, shorter build and inspection cycles, and of course at lower cost, are key drivers for new product development. With the use of Lumenera’s 6.6 megapixel monochrome camera, SPG DATA 3D has found new market opportunities for 3D inspection. Areas of focus include: production part inspection, reverse engineering, CAD to prototype, GD&T, and real-time robotic applications.

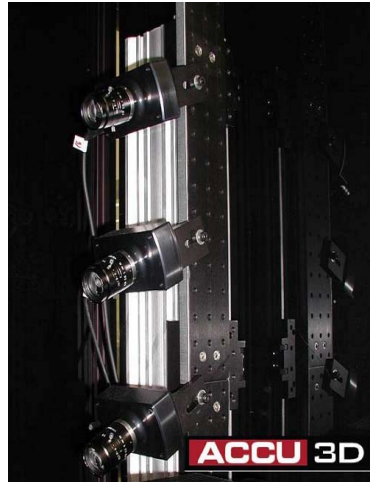
Examples of SPG Data 3D’s Accu3D™ system in use:



Fibreglass boat inspection



Cooling air hole inspection



Aircraft fan blade inspection



Robot Vision inspection system

Lumenera is committed to its OEM customers and working hand-in-hand to help satisfy changing market requirements with innovative new products and continuous support. As an example, SPG Data 3D is already considering use of Lumenera's new 11 megapixel camera, with higher resolution to provide accuracy never seen before in the 3D market.

For further information on SPG Data 3D products, please visit www.spqdata3d.com.
For further information or inquiries regarding Lumenera's full line-up of industrial cameras please contact your representative or visit www.lumenera.com.