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SNAPSHOTS FOR INSPECTION

SPG Hydro International Inc. (Sainte-Julie, Quebec, Canada) offers custom-built, multi-camera 3D imaging systems (Figure 4) under the SPGData3D name (www.spgdata3d.com). "Using nontouch image processing technology, we offer turnkey systems designed according to the customer's application requirements,"



Figure 4: Imaging systems can help determine conformity with specifications

says Zoran Glozinik, SPG's manager, business development. "Each system can be configured as single-measuring station, multi-station system sharing the application server, portable measuring tool, or use any configuration."

Pratt & Whitney Canada is undergoing final testing and certification of an SPG system at its plant in Halifax, Nova Scotia, to inspect cooling air holes on turbine blades. Last year, Rolls Royce Canada replaced the CMM system it was using to measure blade chord width at its Montreal Blade Repair Center with one from SPG, cutting its inspection time in half. According to Helene Pepin, the site's director of engineering and technology, the system had tested over 2,000 blades in its first nine months of operation, and the company is looking at expanding its use to measuring other low-pressure and high-pressure components, as well as measuring surface damage due to corrosion, pitting, dents and scratches.