INNOVATIVE IMAGING SOLUTIONS

FLAWSCAN™ : A Smart Classifier for Easier to Use Surface Inspection
Demonstration on booth#2514 at CMM International, Chicago (June 4 -7 2007)

Orange, CT (USA), May 31st 2007- i2S Linescan, a worldwide specialist in surface inspection with its FLAWSCAN™ systems, has added more intelligence to its software with the introduction of a powerful self-learning classification tool. FLAWSCAN™ systems are designed to provide high-speed detection of all kinds of surface defects on materials such as glass, non-woven products, plastic films and paper. Once the defects are detected, it becomes important to classify them accurately into relevant categories so that corrective actions can be taken on the process. As an example, coating voids on films and gels are two apparently similar defects, but with different origins and consequences. "Thanks to FLAWSCAN™ smart classification software, with its capability to distinguish these different origins, manufacturers can acquire a better understanding of their process, and thereby optimize it accurately and efficiently so as to achieve the fastest possible return on investment." said Jim Borges, i2S Linescan Imaging Inc. USA Manager

FLAWSCAN™ smart classification software is enhanced with ergonomic and intuitive qualities (a show and learn system). Now, any operator -- without intensive training -- can educate the defect detection system. Based on state-of-the-art artificial intelligence, this smart classifier can analyse more than 70 features for each defect and automatically correlate it to the most similar category. It thus provides accurate real-time alarms and reliable statistical information on the process, thereby assisting in its optimization and enabling complete line automation.

Corporate profile
i2S LINESCAN, an i2S Group business unit, designs, manufactures and installs turnkey surface inspection systems. Based on FLAWSCAN™ proprietary technology, i2S's LineScan systems use linear cameras to constantly monitor the manufacturing of continuous-web or sheet materials such as paper, non-woven products, plastic films and glass, in real time, 24 hours a day. The FLAWSCAN™ technology makes it possible to detect and classify flaws on the order of a tenth of a millimeter over widths of several meters running at more than 1000 meters per minute. With offices in China and the USA, i2S LineScan installs and maintains its equipment throughout the world. All FLAWSCAN™ products can be equipped with a system for automatic surveillance and remote maintenance via Internet.

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