



OptiGauge™ Precision Thickness Measurement

NEWS RELEASE

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LUMETRICS ASSISTS ACE INDUSTRIES WITH ONLINE FILM THICKNESS MEASUREMENT

ROCHESTER, N.Y., November 4, 2010 — ACE Industries Co., Ltd., South Korean manufacturer of tapes used in processing semiconductor wafers for back grinding and dicing, has successfully installed a second Lumetrics OptiGauge onto a production line. ACE installed their first OptiGauge system in 2009 and because of increased demand, installed a second line in 2010.

“By using multiple measurement probes on a single system we were able to understand and improve our process of making our film”, Said Mr. YK Ahn, President of ACE. “Naturally, when we expanded our production facility with a second line, we installed an OptiGauge to control it”.

The OptiGauge system was modified and installed by BZCON, Lumetrics’ Korean distributor. BZCON took advantage of Lumetrics’ Application Developer’s Toolkit, and provided custom modifications to the screens and the functionality of the system.

“We were able to not only customize the screen display so we could see all measurement points and variations in one screen, but we were able to automatically change parameters of the system in a way that suited ACE’s process”, said Mr. BK Choi, President of BZCON.

Thickness measurement of multilayer materials can be a challenge for manufacturers. Manual, contact measurement systems can be time consuming, inaccurate, and costly. The Lumetrics OptiGauge provided ACE Industries with an eight probe online system to measure its three layer film at different points in the process. Not only can the adhesives be measured wet, but it can also be measured coming out of the oven and during final assembly.

“Through exact measurements we can adjust the process in small precise steps to get the best film for our customers, while increasing our yield and lowering our costs and scrap”, said Mr. Ahn.

The OptiGauge system comes with a well developed software user interface, OptiGauge Control Center (OCC), that presents instantaneous user-defined thickness trending and plotting charts in real-time. The OCC can be adapted for a manufacturers’ own application to provide specific data for each user. Language was not an issue in this case. Software code is logical

and mathematical, creating a common bridge between those clients who speak a language other than English.

For additional information on this productivity improvement tool, please contact Lumetrics at sales@Lumetrics.com or Steve Heveron-Smith (sheveron-smith@Lumetrics.com) at 585-214-2455 x 102 or cell 585-734-3394.

About Lumetrics

Lumetrics designs, manufactures, and markets advanced optics-based test instruments that provide unique measurement solutions for a variety of medical and industrial applications. Lumetrics' technology employs the power of light for accurate and routine analysis of materials such as specialty tubing and film, flexible packaging, glass, plastics, coatings, and optics. For more information about Lumetrics, visit www.lumetrics.com.

About ACE Industries

ACE Industries develops, manufactures and supplies specialty tapes used in processing semiconductor wafers for back grinding, dicing, and package sawing tape. ACE has become a worldwide semiconductor tape manufacturer by developing and manufacturing the excellent base film and adhesion both nominally and virtually. For more information about ACE, visit www.aceindco.com.

About BZCON

BZCON plays an important role in Korea's international business market, not only as a distributor for Lumetrics' OptiGauge, but also as a solution provider for software applications on a variety of tools. For additional information on BZCON, please contact BZCON at bkchoi@bzcon.co.kr or Byung-Kon Choi at 070-4010-7688 or cell 010-9164-8922 in Korea.