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Fonon DSS Announces the F 250 GL Laser Separation Tool

Lake Mary, FL., January 30, 2009 - Fonon DSS (Display & Semiconductor Systems), a division of Fonon Technology International, the world renowned inventor and manufacturer of Zero Width Laser Cutting Technology™, announced today the release of the F 250 GL laser separation tool for scribing generation 8 and higher sized glass used in the flat panel display industry and photovoltaic industries.

Fonon Technology International discovered and patented the Zero Width Laser Cutting Technology™ (ZWCT™) method. This method splits materials at the molecular level with tremendous speed, no material loss and no chips or other debris associated with conventional scribe and break techniques.



Incorporating this technology into a laser separation tool for scribing generation 8 and higher sized glass used in the flat panel display and photovoltaic industries, Fonon DSS developed the F 250 GL. This latest generation technology incorporates a mode selective resonator and specialty gas mix range for changing wavelength during cutting making a robust manufacturing process that costs significantly less in comparison to mechanical scribing systems. The cost of mechanical scribing machinery increases as glass panel sizes do, whereas the cost for laser technology continues to decrease as panel sizes increase.

Alleviating the major problem with the conventional laser technology, the lack of control of the beam and heat spots which makes cutting large size glass unreliable and inefficient, the F 250 GL is the most proficient and reliable tool available on the market. The development of the F250 GL is a tremendous breakthrough in processing generation 8 and larger panels having developed a 65% more efficient and constant manufacturing process with the highest throughput possible for this large glass.

Overall, the F 250 GL technology-tool combination can improve quality, lower costs, and take business' to the next level. Currently, no other company is prepared to offer the proper tools for cutting glass which can meet the stringent industry requirements. Additionally, this tool is now commercially available throughout the world for cutting glass with the highest edge quality and strength at a price lower than conventional mechanical scribes.

About Fonon DSS: A division of Fonon Technology International, the world renowned inventor and manufacturer of Zero Width Laser Cutting Technology™, Fonon DSS focuses on the semiconductor and flat panel display industries utilizing the patented Zero Width Laser Cutting Technology™ (ZWLCT™) to create products with the highest level of precision. Fonon DSS provides state-of-the-art laser scribing, laser dicing and fiber laser marking solutions to customers in the Flat Panel Display (FPD), Semiconductor and Electronics industries throughout the world. For more information, visit <http://www.fonondss.com> or call 407-829-2613.

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