



UYEMURA International Corporation



Advanced Plasma Technology is Focus of Uyemura Partnership

October 5, 2013. Uyemura International Corporation and Europlasma NV (Oudenaarde, Belgium) have formed a partnership to bring advanced vacuum plasma treatment technology (Nanofics®) to electronic manufacturing companies (EMS) and board makers in the US, Canada and Mexico.

The immediate focus of this important partnership is twofold: this low pressure plasma technology will allow EMS companies to apply conformal coatings to electronic components, and most notably, to fully assembled products such as headsets, hearing aids and mobile phones. It will also provide a highly effective and cost-efficient surface finish to protect board surfaces prior to assembly. For this reason, it is an excellent addition to Uyemura's comprehensive line of final finishes.

Europlasma will shortly install its plasma system at the Uyemura Tech Center in Southington, Connecticut and train Uyemura technical staff in system operation. In addition to the application of Nanofics nanocoating technology, the system will also be used for low pressure plasma cleaning, etching, and activation.

Nanofics technology uses a low pressure, dry plasma system to deposit polymer nanocoatings with high levels of long-term hydrophobicity and/or oleophobicity. It is inherently "green," and does not generate chemical waste. It also offers the distinctive advantage of being usable as an encapsulate for the complete board, with Z axis conductivity that allows electrical connection through the coating. These coatings can also be soldered through.

In addition to electronics and PCB manufacturing, Europlasma Nanofics technology has demonstrated wide applicability for medical device and automotive applications, as well as technical textiles ranging from filtration to clothing.

Uyemura will market Europlasma equipment and Nanofics coating technology throughout North America, and is the continent's exclusive supplier for electronics applications. Test processing is available. For information, contact Don Walsh at (860) 793-4011.

Contact Information:

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The low pressure Europlasma process, available in North America from Uyemura, allows advanced nanocoatings to be applied to electronics – from boards to fully assembled devices – for long-term hydrophobic / oleophobic protection.

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