

Plasma Nanocoating Solutions Presented by Europlasma at INTERSEC 2018 in Dubai

Visit Europlasma booth 7 – H09, January 21th to 23th.

January 21th, 2018 - Oudenaarde, Belgium.

Belgium based Europlasma, a world leader in low pressure plasma technology, is presenting its latest generation of nanocoating solutions for the filtration and electronic industry under the **Nanofics**[®] brand name during INTERSEC 2018.

Nanofics[®] refers to **nanoscaled functionalization** into the core of **complex shaped materials** and products. It is Europlasma's patented and patent pending nanocoating technology platform to apply ultra-thin liquid repellent coatings by low pressure plasma.

For the filtration market, three innovative nanocoating types have been designed for use on both gas and liquid filtration media and products. The coatings can be applied by Europlasma equipment in a roll-to-roll fashion or on the finished product.

Nanofics[®] 120 coatings are highly water repellent (water contact angle of 120 degrees according to ASTM D5946) and highly oil repellent (oil repellency level 8 according to ISO 14419) fluoropolymer type of nanocoatings deposited by low pressure plasma technology.

Nanofics[®] 110 coatings are highly water repellent (water contact angle of 110 degrees according to ASTM D5946) and highly oil repellent (oil repellency level 6 according to ISO 14419) fluoropolymer type of nanocoatings. The unique aspect of these coatings is that they are completely free from PFOA and PFOS.

Nanofics 10[®] coatings have, contrary to Nanofics[®] 110 and 120, very high affinity for water, resulting in water contact angles lower than 10 degrees according to ASTM D5946.

Peter Martens, Europlasma Sales Manager, comments: "We see great interest from the air and gas filtration market for our Nanofics[®] 110 & 120 coatings. After coating the filter efficiency is improved with a negligible increase of pressure drop (face mask, HVAC filter, etc.). On the other hand our Nanofics[®] 10 coating gets a lot of interest from the medical industry for coating on carrier material for cell growth (bioreactors, lab on chips, etc.)

For the consumer electronic market the **Nanofics**[®] coatings, that build an ultra-thin barrier, are highly liquid repellent and allow electronics to survive full submersion in water, saltwater and sweat while powered on. Devices with internal electronics protected by **Nanofics**[®] are completely protected from water, saltwater or sweat. The **Nanofics**[®] coatings are applied with industrial type of Europlasma equipment, fit for high volume production.



For technical and/or commercial inquiries please contact Peter Martens of Europlasma (email peter.martens@Europlasma.be) at our **INTERSEC booth 7 – H09**.

For press inquiries, please contact our marketing representative Vanessa Bothuyne at press@europlasma.be

