

**NEW FUNCTIONAL PLASMA COATINGS FOR MEDICAL DEVICES PRESENTED BY EUROPLASMA  
AT MEDTEC CHINA**

**Europlasma booth B105 in Hall 2 of Shanghai World Expo Exhibition, September 20<sup>th</sup> to 22<sup>nd</sup>, 2017**

Oudenaarde, September 20<sup>th</sup>, 2017

Belgium based Europlasma, a world leader in low pressure plasma technology, is happy to present at Medtec China its latest generation of Nanofics® functional plasma coatings for medical devices.

Nanofics® refers to **nanoscaled functionalization into the core of complex shaped materials and products**. It is Europlasma's patented and patent pending low pressure plasma coating technology platform, first applied on industrial scale in 1996.

Medical devices are often composed of complex materials and components that need to combine multiple functionalities into one product. Plasma technology is increasingly used to make that happen.

Plasma activation is widely used to improve the wettability of medical plastics prior to gluing, printing or functional coating. With low pressure plasma technology the best possible adhesion can be achieved.

Plasma is also used for the fine cleaning of medical plastics and metals used in stents, implants and contact lenses.

Low pressure plasma technology is dry and clean and therefore fits very well in the clean room compatible production processes required for this industry.

There is also growing use of Europlasma's Nanofics® technology to add new and permanent functionalities to medical materials and components.



Nanofics10® is for instance used to create permanent hydrophilic effect on microfluidic devices or culture growth products. Nanofics10® at the same time prevents coagulation of blood, and therefore becomes an ideal finish for medical implants.



With Nanofics120® or 110® a permanent hydrophobic effect is sought after to avoid for instance cross-contamination on needles or pipettes.

Europlasma is constantly developing new low pressure plasma based processes to obtain these required effects. Industrial-scale machines come in different sizes and types depending on customers' needs. That's why many top manufacturers of medical components and equipment rely on Europlasma's plasma coating solutions.

For technical and/or commercial inquiries please visit our booth number B105 in Hall 2 of the Shanghai World Expo Exhibition & Convention Center, from October 20<sup>th</sup> to 22<sup>th</sup>, 2017. The Europlasma booth will be hosted by long time Europlasma partner in China BEC with Wingel Zhang, who can be reached at [wingelzh@beijingec.com](mailto:wingelzh@beijingec.com), or contact Filip Legein of Europlasma, who can be reached at [filip.legein@europlasma.be](mailto:filip.legein@europlasma.be).

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