



## Europlasma, global leader in low pressure plasma nanocoating technologies signs preferred partnership with SCS to further grow its new halogen-free coating PlasmaGuard™ for electronics.

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Oudenaarde, Belgium, January, 2023 – Europlasma is partnering with Specialty Coating Systems (SCS), a global leader in conformal coating services and technologies, to expand their coating portfolio to include PlasmaGuard™ coating services. With this partnership, Europlasma further grows the availability of its innovative halogen-free PlasmaGuard conformal coatings for electronics. Applied through a plasma enhanced chemical vapor deposition process (PECVD), ultra-thin PlasmaGuard™ nanocoatings are environmentally-friendly, halogen-free and provide excellent splash-proof and waterproof barrier protection to a wide range of electronic components and devices.

Europlasma specializes in Plasma Enhanced Chemical Vapor Deposition (PECVD). The PECVD process is executed in a controlled atmosphere. It assures a deep and very consistent treatment with no variation in coating quality. PECVD is the best solution for fine coating of 3D complex shapes and porous material.

The infographic features a background image of a smartphone with water droplets on its screen, held by a yellow rubber glove. The Europlasma logo is at the top left. A central table compares PlasmaGuard S and PlasmaGuard E. Below the table, a blue box states 'With Plasma Nanocoatings Best in class Splash and waterproof protection for electronics'. At the bottom, it says 'PART OF THE PLASMALEX GROUP'.

PlasmaGuard® S	PlasmaGuard® E
Splashproof	Waterproof
Top coating	Barrier coating
50 - 500 nm	1 - 3 µm
WCA > 110°	
Invisible coating without colour change	
Not hypersensitive	
Halogen free	
Compared to other electronic coatings for achieved thickness	
✓ Good conformity	
✓ Homogeneous thickness	

Europlasma CEO Tim Beulens shares, “Europlasma has been developing, finetuning and delivering plasma surface treatment and coating solutions and the systems to apply these solutions for over 30 years. **We are excited to launch PlasmaGuard™ for electronics, together with SCS. We are pleased to have found in SCS a global partner that will provide contract coating services for Europlasma PlasmaGuard™ coatings to customers to achieve the highest performance and protection for their electronic products, with the lowest environmental footprint.**”



SCS is excited to offer PlasmaGuard™ coating services through a preferred partnership with Europlasma. Over the past years, both companies have closely worked together to enable PECVD coating capabilities within SCS sites. SCS CEO Tim Bender shared, “For over 5 decades, SCS has been dedicated to providing customers with industry-leading coating services and technologies. In light of that mission, we continue to evaluate opportunities that bring new materials and services to help our current and future customers innovate and be successful. **Through this new relationship with Europlasma, we are pairing industry-leading plasma-enhanced conformal coating technology and expertise with SCS’ industry-leading coating service and applications experience, providing customers additional coating options to meet the unique needs of their products.** We are now pleased to offer the availability of commercial plasma polymerized coating services to customers.”

Depending on the variant used, PlasmaGuard™ coatings provide splash-proof or waterproof moisture protection to devices such as wearables and consumer electronics. The ultra-thin conformal nanocoatings are halogen free, making them an ideal coating solution for the protection of sustainable electronics.

**For 30 years Europlasma offers turnkey low pressure plasma solutions, delivering both chemistries and equipment for a wide range of applications such as electronics, medical, technical textiles and filtration.**

**Europlasma has an extensive active patent family** protecting machine design, processes, methods for plasma deposition and offers different surface treatment solutions and a wide coating portfolio.

Compared to traditional wet chemical methods, depending on the application, one can realize with Europlasma coating technology:

- 80% reduction in use of coating chemicals,
- 100% reduction in water waste,
- 50% reduction in energy consumption and emission of CO<sub>2</sub>.

**Over the last years, Europlasma technology has been recognized by the industry leaders and consequently awarded.**

In November 2015, PlasmaGuard™ received the ITMA Future Materials Award for ‘Best Innovation in Sportswear and Outdoor Apparel’.

In 2017, Europlasma was named CES Innovation Award Honoree for ‘Tech for a Better World’. Europlasma was also one of the five nominees for the ‘FILTREX Innovation Award 2017’.

In 2022, Europlasma received an award for presenting innovating technology during Nonwoven Tec Asia.



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### About Europlasma:

Belgium based Europlasma is a pioneer and world leader in low pressure plasma technology.

Since 1993 Europlasma's vision is to help its customers achieve the highest performance and protection for their products, with the lowest environmental footprint. Europlasma achieves this by supplying innovative surface treatment solutions based on in-house low pressure plasma technology delivering both chemistries and equipment for medical, filtration, technical textiles and electronics applications.

Europlasma is part of the Plasmalex group. Plasmalex is a privately owned industrial group specialized in plasma surface treatment and coatings as well as converting equipment. It has integrated in-house design and manufacturing competences and has industrial size test shops in France and Belgium. It support clients around the world. Thanks to its organizational structure, Plasmalex combines the flexibility of an SME with the solid structure of a multinational.

