Steinhagen, October 4th, 2024

**Plasmatreat presents innovative coating technology for corrosion protection at IZB 2024 in Wolfsburg**

PlasmaPlus AntiCorr technology is an environmentally friendly alternative to conventional corrosion protection processes

**Plasmatreat GmbH, a leading manufacturer and developer in the field of plasma surface treatment, will be presenting various systems and equipment at the International Suppliers Fair (IZB) 2024 in Wolfsburg. From 22 to 24 October, the Steinhagen-based company will be demonstrating surface pretreatment with open-air plasma and surface coating with PlasmaPlus to trade visitors at the IZB in Hall 6, Stand 6108. The highlight of the stand will be the PlasmaPlus special process AntiCorr for inline corrosion protection of battery housings.**

At a time when electromobility is growing rapidly and the demand for durable and reliable batteries and battery housings is increasing, Plasmatreat is setting new standards with its AntiCorr technology. This innovative coating solution from the PlasmaPlus range not only offers effective protection of the sealing surfaces of battery housings against infiltration corrosion, but also significantly improves the service life of the housings.

"We are looking forward to presenting our AntiCorr technology at the IZB and discussing the future of corrosion protection in the automotive industry with industry representatives," says Lukas Buske, Managing Director of Plasmatreat GmbH. "Our technologies are designed to meet the challenges of modern electromobility while offering sustainable solutions.”

Traditional processes such as electroplating and waxing present manufacturers with a number of risks and challenges that AntiCorr technology addresses. AntiCorr offers several advantages: It is more cost effective, can be used selectively and in-line, and is environmentally friendly. The technology is already being used by automotive suppliers and has passed common climate and salt spray tests such as the PV1209 and MeKo-S tests. Manufacturers also benefit from a positive impact on their carbon footprint through the reduction of solvents, chemical waste, water usage and logistics by eliminating chemical baths. These benefits go a long way to reducing environmental and health impacts, as they can be significantly reduced.

More information is available at: www.plasmatreat.com

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***Info box:***

**How Openair-Plasma and PlasmaPlus optimize industrial processes.**

When plasma with its high energy level comes into contact with materials, it changes the surface properties, for example from hydrophobic to hydrophilic. Plasma technology requires only compressed air and electricity for operation. Fine cleaning with Openair-Plasma gently and reliably removes dust, release agents, additives, plasticizers and hydrocarbons from surfaces. Especially with non-polar plastics, plasma treatment achieves surface activation. It supports the increase of surface energy by introducing hydroxyl groups and thus improves adhesion in subsequent processes such as bonding, printing, painting and sealing. Plasmatreat's PlasmaPlus technology can also be used to create targeted functionalized surfaces with defined properties by applying (depositing) nanocoatings, e.g. as an additional adhesion promoter layer.

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**About Plasmatreat**

Plasmatreat is an international leader in the development and manufacture of atmospheric plasma systems for the pretreatment of substrate surfaces.

Whether plastic, metal, glass or paper – the industrial use of plasma technology modifies the properties of the surface in favor of the process requirements.

Openair-Plasma® technology is used in automated and continuous manufacturing processes in almost every industrial sector. Examples include the automotive, electronics, transportation, packaging, consumer goods and textile industry, but the technology, cost and environmental advantages of the plasma technology are used in medical technology and in the renewable energy sector as well.

The Plasmatreat Group has technology centers in Germany, USA, Canada, China, and Japan. With its worldwide sales and service network, the company is represented in more than 30 countries by subsidiaries and sales partners.

More information is available at: [www.plasmatreat.de](https://www.plasmatreat.com/)

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**Images:**



Application of the anti-corrosion coating to the sealing surface of a battery housing using the PlasmaPlus AntiCorr process. (Copyright: Plasmatreat GmbH)