Steinhagen, February 20th, 2025

**Openair-Plasma technology for durable electronic components at AMPER 2025**

Plasmatreat Austria for the first time at this trade show in the Czech Republic

**Plasmatreat Austria is pleased to announce its participation in AMPER 2025 - the largest international trade fair for electrical engineering and electronics in the Czech Republic and Slovakia. The trade fair in Brno is a central platform for exchanging information with industry leaders, developers and decision-makers in the electronics industry. Plasmatreat Austria, a subsidiary of Plasmatreat GmbH, headquartered in Steinhagen, Germany, will present its atmospheric pressure plasma systems and equipment for surface treatment and modification in Hall F, Stand F2.24.**

Plasmatreat is an international leader in the development and manufacture of atmospheric plasma systems and equipment for the pretreatment of surfaces. Unlike the vacuum plasma chambers used in the electronics industry, Plasmatreat's systems operate at atmospheric pressure - no vacuum chamber is required. The systems can be integrated and automated in-line with production processes, offering significant speed advantages and other benefits.

Whether it is plastic, metal, glass or paper, plasma technology specifically modifies the surface properties for subsequent processes such as bonding, painting, printing or sealing to ensure optimum adhesion and improved production processes. Whether in the manufacture of displays, power modules, semiconductors, lead frames or circuit boards, no matter how small, Openair-Plasma from Plasmatreat is already established as a standard process in many electronics processes.

**Plasma treatment live at the AMPER 2025 exhibition**

Visitors can experience plasma treatment live at booth F2.24 in hall F. A Plasma Treatment Unit (PTU) will demonstrate the various possibilities of Plasmatreat: Openair-Plasma for activation of plastics and ultra-fine cleaning of metal and glass surfaces, as well as PlasmaPlus for surface coating in the nanometer range. PlasmaPlus serves as an environmentally friendly adhesion promoter layer and can also be used prior to conformal coating or potting/spray molding. The technology uses compressed air and electricity to modify surfaces by removing contaminants such as dust, release agents, additives and hydrocarbons. Only with PlasmaPlus is a small amount of precursor injected into the plasma jet - allowing the material surface to be specifically functionalized according to customer requirements. PCBs, special lead frames and small electronic components are pretreated in the PTU.

"We are delighted to be participating in AMPER for the first time," says Petr Tichy, Technical Sales Manager at Plasmatreat Austria and responsible for the Czech Republic and Slovakia. "The Czech electronics market is dynamic and growing all the time. This show is the ideal opportunity for us to present our innovative plasma solutions to this audience. We expect many exciting discussions with industry professionals and look forward to demonstrating how our technology can improve electronics manufacturing."

At the Plasma Live table, plasma experts will show how Openair-Pasma is specifically used in electronics manufacturing. Visitors will see live demonstrations of cleaning, activation and functional coating of electronic components. In addition, the plasma effect will be demonstrated using various methods such as test inks, tape test or water spray test.

**Visit Plasmatreat at AMPER 2025 in Hall F, Booth F2.24.**

For more information, visit: [www.plasmatreat.com](http://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. Even oxide layers on metal surfaces can be reliably removed inline during the production process using plasma technology. 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. Plasmatreat's HydroPlasma® is used to remove stubborn organic and inorganic soils - an innovative cleaning method that uses only water, compressed air and electricity in an environmentally friendly manner.

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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.

For more information, visit: [www.plasmatreat.com](http://www.plasmatreat.com)

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**Pictures and captions:**

**A close-up of a circuit board

AI-generated content may be incorrect.**

Low-potential plasma treatment with Openair-Plasma for the production of PCBs.

(Copyright: Plasmatreat GmbH)

A machine working on a circuit board

AI-generated content may be incorrect.

Openair-Plasma improves the adhesive strength of adhesives, coatings or paints on surfaces. (Copyright: Plasmatreat GmbH)

A machine with a piece of green material

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Visitors can experience the plasma treatment of electronic components live at the Plasmatreat stand F2.24 in Hall F. (Copyright: Plasmatreat GmbH)