Steinhagen, July 2nd, 2024

**Try and test Openair-Plasma on site or online: "Book-a-Demo” Service from Plasmatreat**

Bonding, painting, printing or sealing - create better material bonds with plasma pretreatment

**Atmospheric plasma technology has established itself as a universal problem solver for processing a wide range of materials in a variety of industries. Anyone looking for the right plasma surface treatment for their product or material combination can book the flexible "Book-a-Demo" service from Plasmatreat GmbH in Steinhagen - and see for themselves the performance and possibilities of plasma.**

With Plasmatreat's innovative Openair-Plasma and PlasmaPlus applications, the surface properties of materials such as metal, plastic, glass or textiles can be specifically modified. For example, as a pre-treatment for bonding, painting, printing or sealing. Even new composites of incompatible materials, such as different plastics, are possible. In industrial production - from high-tech products to everyday objects - plasma has become a real game changer. Cleaning, activating or coating surfaces with plasma technology has found its way into many manufacturing processes and industries.

**"Book-a-Demo" service at Plasmatreat technology centers: book tests on site or online**

In discussions with the customer, the plasma experts work out the challenges and process parameters and use various tests to determine the perfect plasma parameters for the individual application. The effect of plasma is then tested in a live demonstration, tailored to the customer's needs, using the material samples provided or similar samples, and evaluated using various test methods. The experts explain the results of Openair-Plasma and PlasmaPlus in the respective application in a direct dialogue. This takes place either on site at one of the Plasmatreat Technology Centers in Germany, USA, Canada, China or Japan as a live session or alternatively via a web meeting. The "Book-a-Demo" service can be easily booked online with precise details of the material, product and location.

**Getting started with plasma technology made easy**

If "Book-a-Demo" is successful, the customer can start using plasma surface treatment in their production with a rental system or purchase an automated, inline Plasma Treatment Unit (PTU) that is customized to their production process and parameters.

Plasmatreat offers comprehensive support - from the first contact to "Book-a-Demo" or rental system booking, installation, commissioning and after-sales service of the systems. The innovative systems from the world leader in atmospheric plasma technology are inline capable and can be easily integrated into existing production lines. The dry process allows direct further processing and thus supports highly efficient, fully automated processes. At the same time, the use of atmospheric plasma is a significantly more environmentally friendly alternative to many conventional production processes.

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

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**Images:**

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Tests and live demonstrations on customers' own materials in application technology - whether at the Plasmatreat headquarters in Steinhagen, Germany, or at one of the numerous subsidiaries, e.g. in North America. (Copyright: Plasmatreat GmbH)



Plasma treatment results are evaluated and analyzed with the customer during on-site material testing. (Copyright: Plasmatreat GmbH)