**250 words for The Canmaker METPACK Preview:**

**Plasma enables UV metal printing**

METPACK 2023: Innovative surface technology from Plasmatreat enables the switchover to digital printing with UV-curing systems

**Plasmatreat GmbH will demonstrate at METPACK 2023 in Hall 3**

**Booth 3C55 how the use of surface treatment with plasma technology is revolutionizing metal printing: The special technology for treating surfaces makes it possible to replace conventional solvent-based inks and varnishes by using digital printing with UV-curing systems. This not only protects the environment, but also makes processes more efficient.**

**Openair-Plasma - cleaned surfaces as a basis for UV inks**

At METPACK 2023, Plasmatreat will be demonstrating how ultra-fine cleaning with Openair-Plasma solves this issue: It absolutely reliably removes impurities, e.g. undefined oxide or ultra-thin dust layers, as well as residual traces from the production process such as release agents and lubricants, cutting oils or drawing greases. This results in a pure metal surface where the existing surface energy in the substrate is restored. The high adhesion force that has now been created enables the surface to be fully and homogeneously wetted by UV inks or coatings, which now adhere optimally to the metal surface without the use of chemical adhesion promoters (primers) on the substrate. Visitors at the **booth C33 in hall 3** can experience this process live: A plasma system that pretreats flat substrates prior to printing with UV inks or coatings will be presented. Eight rotating nozzles will treat materials such as metal sheets for can production, before printing or painting.

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

(245 words)

**Images:**



Surface treatment with Openair-Plasma enables full-surface and homogeneous wettability of the surface with UV inks or coatings, which now adhere optimally to the metal surface without the use of chemical adhesion promoters (primers) on the substrate.

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(ca. 7.000 Zeichen inkl. Leerzeichen)