



Press Release

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Presentation of latest material innovation and co-developed application demos for multiple industries

Henkel showcases innovative printed electronics solutions for smart surfaces at LOPEC 2022

Düsseldorf – Henkel Adhesive Technologies will display a range of functional material innovations for printed electronics at the upcoming LOPEC trade show on March 23 and 24 in Munich. Beneath the overarching topic of “SMART Surfaces” the business unit will showcase its solution portfolio for a broad variety of applications across multiple markets such as industrial and automotive surfaces, antennas, healthcare, and hygiene. In addition to material innovations and a variety of demo parts co-developed with its partners, Henkel Adhesive Technologies will also offer live application demonstrations at booth 508 in hall B0.

“LOPEC is the leading international platform for printed electronics and brings together all relevant global players from research to application,” explains Stijn Gillissen, Head of Printed Electronics at Henkel. “Over the past years we have seen a growing demand across industries to develop and launch new products and surfaces with smart functionalities – this trend will further increase. Besides our materials, our market experience and processing know-how we believe that close collaborations across the entire value-chain are key for future innovations. Thus, we aim to leverage this year’s LOPEC and showcase our expertise in printed electronics including materials and applications developed with our ecosystem partners and tangible live demonstrations at the booth.”

Henkel is an industry-leading supplier of printed electronics materials and services. The broad Loctite portfolio of functional inks includes silver inks, carbon inks, dielectric and other non-conductive inks as well as silver/ silver chloride inks. These materials enable Henkel’s partners to develop printed electronics applications tailored for the specific properties demanded by industrial customers – for example positive temperature coefficient (PTC) inks for self-

regulating heating elements, force sensitive inks for pressure detecting surfaces or inks to detect moisture.

Demonstration of demo parts together with partners

To further drive the adoption of printed electronics across industries, a variety of technology innovations will be showcased at the Henkel booth at LOPEC. Among the highlights of the booth presentation will be several new demo parts co-developed with its ecosystem partners. Together with Advanced Thermal Technology GmbH (ATT), a specialist in thermal management, Henkel will present a food tray heating rack that keeps baked goods heated at a desired temperature based on the effective, self-regulating PTC heating technology. The partners will also showcase interior heating systems as well as autonomous driving safety systems for automotive applications. Furthermore, visitors will also get insights about wireless connected printed sensors for leak detection in smart buildings and smart factories, inductive chargers for smartphones, printed mobile 5G antennas, medical applications such as wearable smart health patches and smart diapers as well as consumer applications such as insoles for running shoes.

“ATT offers surface heating systems based on thermoelectric heating polymers primarily for automotive, aerospace and architecture applications”, said Peter Oberauer, CEO of ATT. “The partnership with Henkel helps us to develop and launch new technologies and customized products for thermal management that unlock new dimensions for effectiveness and energy efficiency.”

In addition to the exhibition, Melanie Wendrikat, Market Strategy Manager at Henkel for printed electronics, will give a live presentation at the LOPEC Business Conference. Under the title *'Printed Electronics – Creating value beneath the surface'* she will elaborate on printed electronics being a key enabler to the creation of intelligent surface solutions that seamlessly interconnect with the environment. The presentation will specifically highlight latest material innovations and applications, as an example for how printed electronics materials in combination with the right ecosystem partners create a new generation of integrated and retrofitted sensors, adaptable to multiple kinds of surfaces, for improved connectivity, monitoring and data-collection.

Interested to get more information about Henkel's latest innovative printed electronics solutions? Connect with the team upfront to LOPEC for an individual appointment contacting printed.electronics@henkel.com or visit us on March 23 and 24 at booth 508 in hall B0.

About Henkel

Henkel operates globally with a well-balanced and diversified portfolio. The company holds leading positions with its three business units in both industrial and consumer businesses thanks to strong brands, innovations and technologies. Henkel Adhesive Technologies is the global leader in the adhesives market – across all industry segments worldwide. In its Laundry & Home Care and Beauty Care businesses, Henkel holds leading positions in many markets and categories around the world. Founded in 1876, Henkel looks back on more than 140 years of success. In 2021, Henkel reported sales of more than 20 billion euros. The company employs about 53,000 people globally – a passionate and highly diverse team, united by a strong company culture, a common purpose, and shared values. As a recognized leader in sustainability, Henkel holds top positions in many international indices and rankings. Henkel's preferred shares are listed in the German stock index DAX. For more information, please visit www.henkel.com.

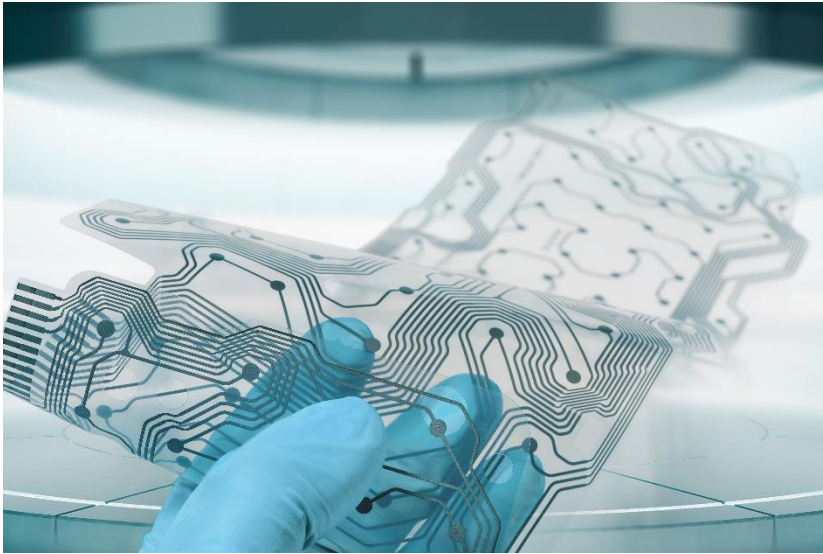
Photo material is available at www.henkel.com/press

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