

Press Release

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Strong focus on material science and sustainable innovation across the value chain

Henkel showcases new material innovations, sustainability concept, and partner ecosystem at LOPEC 2026

Düsseldorf – At LOPEC 2026, Henkel will present its latest developments in functional materials and conductive ink technologies tailored for printed electronics applications. As a leading supplier to the printed electronics industry, the company will highlight how advanced material formulations enable scalable, real-world applications across smart surfaces, smart healthcare, and smart connectivity.

With more than 45 years of experience in printed electronics, Henkel Adhesive Technologies offers a broad portfolio of conductive inks and functional coatings designed for diverse application requirements. Henkel's materials experts support customers in selecting the right ink technologies and connecting with trusted partners to achieve specific performance objectives.

"As the leading international platform for printed electronics, LOPEC brings together all relevant global players from research to application," explained Stijn Gillissen, Head of Printed Electronics at Henkel. "The trade show represents the ideal opportunity not only to showcase material innovations but also to discuss market challenges such as the increasing need for sustainable solutions. Thus, we will further emphasize on our sustainability initiative, including the use of recycled silver as a raw material and the development of highly cost-efficient silver inks, reinforcing our commitment to environmentally responsible innovation."

Demonstrators developed with ecosystem partners

At booth 607 in hall B0, Henkel will present demonstration parts that illustrate how the company's latest ink technologies enable new applications when combined with process expertise and strategic partnerships. Collaborations with partners such as Flextem (printed heaters), INO (HMI solutions), and Teca-Print (pad printing), among others, highlight the

importance of value-chain cooperation in accelerating technology development and market adoption.

Sustainability as a framework for material innovation

Building on the sustainability concept introduced in 2025, Henkel's LOPEC 2026 booth will again focus on environmentally conscious material design. The team maintains a targeted focus on material performance, functionality, and scalability while illustrating how sustainable ink technologies can support regulatory compliance, corporate sustainability targets, and evolving market expectations.

New technologies addressing cost volatility and performance

In response to record silver prices in 2025 and early 2026, Henkel will introduce its newest silver-plated copper (SPC) ink technology. It offers reduced material costs and lower price volatility while maintaining strong technical performance. Henkel will also present its high-conductivity inks launched in 2025, which support more cost-efficient manufacturing of printed electronics devices.

In parallel, the company is expanding its self-regulating PTC ink portfolio with two new products for low- and high-voltage applications. Both materials provide self-regulation at 40°C—made possible through Henkel's proprietary PTC technology—and are designed for battery pre-conditioning and related thermal management applications.

Material solutions for connectivity, mobility, and healthcare

At LOPEC 2026, Henkel will feature functional materials for a range of high-growth applications, including:

- Wearable electronics
- Self-regulating PTC heating solutions
- Printed smart healthcare components
- 3D-printed antenna technologies

These examples highlight the breadth of Henkel's portfolio and its suitability for reliable, high-performance electronic architectures.

Technical presentation on pad-printed antenna technology

Complementing the booth exhibits, Anna Ryzhova from Henkel Printed Electronics will deliver a technical presentation titled 'Henkel Printed Electronics Material Technology Enables Pad-Printed Antenna' on Thursday, February 24, 2026, at 14:20. The talk will outline how tailored material formulations and process know-how enable stable, high-performance antenna structures produced via pad printing.

Are you interested in getting more information about Henkel's latest innovative printed electronics solutions? Henkel experts look forward to discussing market challenges, such as the increasing need for sustainability and to consult on next-generation applications in printed electronics. Connect with the team by contacting printed.electronics@henkel.com or by visiting LOPEC 2026 on February 24 and 26 at booth 607 in hall B0.

About Henkel

With its brands, innovations and technologies, Henkel holds leading market positions worldwide in the industrial and consumer businesses. The business unit Adhesive Technologies is the global leader in the market for adhesives, sealants and coatings. With Consumer Brands, the company holds leading positions especially in laundry & home care and hair in many markets and categories around the world. The company's three strongest brands are Loctite, Persil and Schwarzkopf. In fiscal 2024, Henkel reported sales of more than 21.6 billion euros and adjusted operating profit of around 3.1 billion euros. Henkel's preferred shares are listed in the German stock index DAX. Sustainability has a long tradition at Henkel, and the company has a clear sustainability strategy with specific targets. Henkel was founded in 1876 and today employs a diverse team of about 47,000 people worldwide – united by a strong corporate culture, shared values and a common purpose: "Pioneers at heart for the good of generations." More information at www.henkel.com

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

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At LOPEC 2026, Henkel will specifically highlight pad printing and antenna technologies, for printed antennas on smart watches.



In combination with silver and dielectric inks, Henkel's Positive Temperature Coefficient (PTC) technology enables the screen printing of self-regulating foil heaters.



At LOPEC Henkel will also present a silver-plated copper ink as resilient alternative to traditional silver or copper conductive inks combining the advantages of both materials.