

# Your Advantages with Lohmann

At Lohmann, our technology and expertise translate into tangible benefits for your production process. We support your innovation from the first prototype to large-scale production with:

## High process reliability

Consistent converting processes guarantee stable performance even during high-volume production.

## Modular adhesive systems

Our systems are flexible and tailored to adapt to your specific functional layers and application needs.

## Cleanroom manufacturing (ISO Class 7)

Ensuring uncontaminated, high-quality processing that meets stringent medical standards.

## Custom formats, liners, and coatings

Bespoke solutions enable optimal integration into your overall product design.

## Co-development from prototype to serial production

Our comprehensive support accelerates innovation and market readiness through close collaboration at every stage.



The perfect bonding solution?  
The one tailored to your application.  
We support you **from the idea** to its  
integration **into your process**.



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## Smart Bonding Solutions for Diagnostics







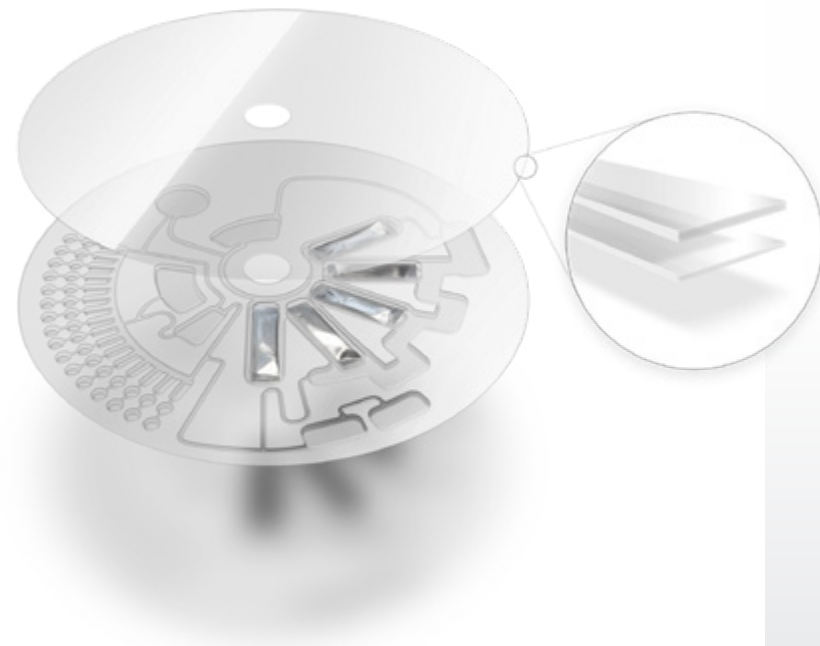
**Diagnostics**

**Why medical adhesives matter in diagnostics:**

- Enable capillary flow control
- Protect sensitive reagents
- Define precision layers
- Support automated production



## Solution Portfolio for Diagnostic Components

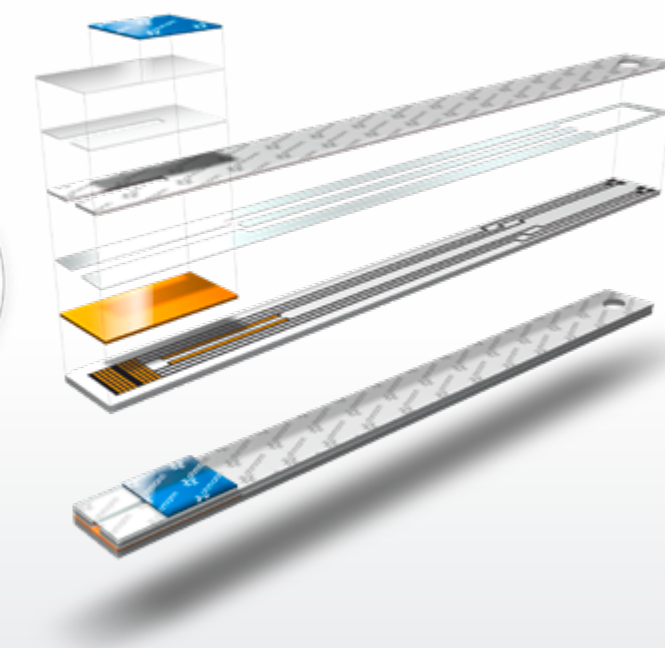


### Lab-on-Chip

Minimizing lab space doesn't mean compromising on quality. Our advanced adhesives meet the demanding requirements of portable diagnostic platforms, ensuring optical clarity, flexibility, and precise fluid management.

**Your benefits:**

- **Optically Clear Tapes**
- **Migration-Free Adhesives**
- **Medical Grade Quality**

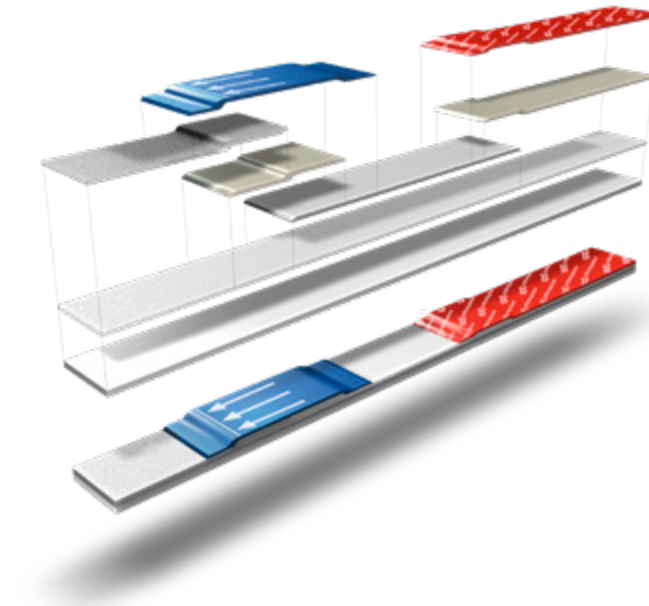


### Biosensors

Biosensors provide critical health information, whether used daily for medication dosing or occasionally for health checks. To ensure accuracy, adhesives must be ooze-free, inert, and manufactured to tight tolerances.

**Your benefits:**

- **Flexible Functionality**
- **Inert Materials**
- **Comprehensive Component Range**
- **Customization Available**



### Lateral Flow

Lateral flow tests require user-friendly, accurate designs to provide quick, qualitative results across diverse applications. Lohmann's adhesives bond effectively to various membrane materials without reacting with antibodies or reagents. Our formulations ensure efficient production with minimal cleaning.

**Your benefits:**

- **Flexible Functionality**
- **Inert Materials**
- **Comprehensive Component Range**
- **Customizable Formats**

**What makes our adhesives perform:**

- Capillary flow control
- Biocompatible, inert materials
- High die-cutting precision
- Optical clarity / low autofluorescence
- Adhesion to films, foams & membranes
- Clean lamination without air inclusions

### Eco-friendly backing material in lateral flow test strips

The new lateral flow backing card material made from recyclable cellulose-based material (ReliaCard) offers a sustainable alternative while maintaining performance. Paired with GL-187 adhesive and a release liner, its thickness and stiffness are comparable to the traditional polyolefin card.

**Find out more!**



**Diagnostics  
Applications**



In modern diagnostics, every detail counts. From rapid test results at the point of care to highly sensitive biosensors, adhesive components play a critical role in ensuring function, reliability, and patient safety.

At Lohmann, we understand these demands. As your partner for high-performance bonding solutions, we offer customized adhesive tapes and laminates that are tailored to the unique challenges of diagnostic device manufacturing – including precise fluid control, stable reagent environments, and clean processing.

Our medical-grade materials, developed and converted under ISO 13485 and cleanroom conditions, support your innovation from early prototyping to full-scale production. The result: smart bonding that enables better decisions, faster answers, and more trust in every test.