

Your Advantages with Lohmann

Medical wearables demand more than adhesion – they require smart material design, consistent quality, and absolute skin trust. Lohmann supports your product journey from initial concept to scalable production with medical-grade precision and flexibility with:

Skin-optimized adhesive systems

Tailored for sensitive skin and extended wear durations – with 28+ days wear time.

Modular multilayer design

Combine functional layers (adhesive, carrier, protection films) for sensor integration and comfort.

Cleanroom manufacturing (ISO Class 7)

Hygienic converting processes for direct skin-contact applications.

Precision die-cutting & format customization

Reliable converting of even complex shapes and thin-film constructions.

End-to-end support from prototype to serial production

Development, sampling, and supply-chain flexibility – from first test to product launch.



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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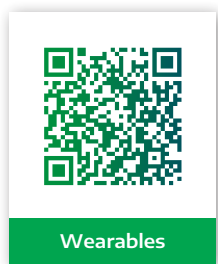
Get in touch!
www.lohmann-tapes.com/medical

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Smart Bonding Solutions for Wearables





Wearables

Why medical adhesives matter in wearables:

- Ensure long-term skin adhesion (28+ days wear time)
- Provide flexibility and conformability for daily motion
- Act as protective barrier between electronics and skin
- Enable sensor accuracy through stable fixation
- Allow for clean, comfortable removal

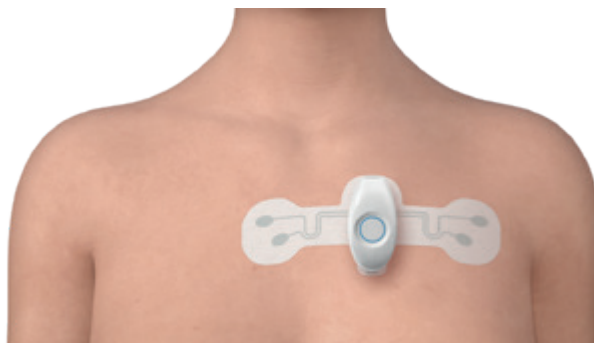
Reliable and Customized Medical Adhesive Solutions

Medical wearables are transforming healthcare — from real-time monitoring to personalized treatment. But their success begins at the skin. At Lohmann, we develop advanced adhesive solutions that make these innovations wearable. Our tapes are designed for long-term skin contact, flexibility, and sensor integration, supporting comfort and functionality throughout daily life.

With decades of experience in medical-grade converting, we help you bring your device from concept to scalable production — reliably, safely, and with the user in mind.

For Connected Health

From short-term diagnostics to long-term monitoring: Lohmann's adhesive technologies support diverse wearable applications with skin-friendly, functional, and reliable solutions.



Health Patch for ECG or telemetry systems

- Secure initial fixation on skin
- Repositionable & low-trauma removal
- Thin PET layer protects skin from printed electronics
- Flexible materials for daily comfort
- Ready for advanced integration & converting



Continuous Temperature Monitoring

- PET barrier protects skin from electronics
- Protects electronics from heat & moisture
- Consistent skin contact ensures accurate readings
- Safe for prolonged wear



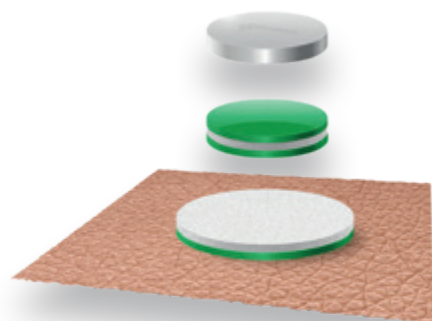
Continuous Glucose Monitoring (CGM)

- Skin adhesion for 28+ days wear time
- Soft, breathable adhesive layers
- Flexible carriers adapt to skin movement
- Reduces discomfort and improves wearability
- Supports consistent sensor performance



Large Volume Injectors

- Immediate strong adhesion
- Repositionable for correct placement
- Easy peel-off after injection
- Secure fit prevents slippage
- Wear time: 10 minutes to 2 hours



Your Integrated Partner for More: Medical CDMO + Material Expertise

In addition to wearable adhesives, Lohmann offers its Smart Patch Solutions: a platform that combines adhesive technology with electronics integration and system-level converting from the very beginning.



Smart Patch Solutions

Engineered for Long-Term Skin Contact

- Biocompatible materials
- Repositionable & low-trauma adhesives
- ISO 10993-5/10 tested
- High flexibility and breathability
- Long-term adhesion (28+ days wear time)
- Laminates for sensor protection and signal flow

