Flexible Connected Objects

Electronic sensors integrated into connected medical care

Healthcare professionals around the world are always looking for ways to monitor their patients' physicochemical signals remotely, keeping them out of hospitals and helping self-diagnostics with wearables or connected objects.

Clothing with integrated body sensors which track vital signs or a dressing that can monitor a wound's healing process are some examples of solutions developed by Linxens to bring savings to healthcare systems, insurance companies and patients.

Thanks to the company's flexible printed circuit manufacturing and reliable electronic component assembly, Linxens proposes innovative solutions allowing:

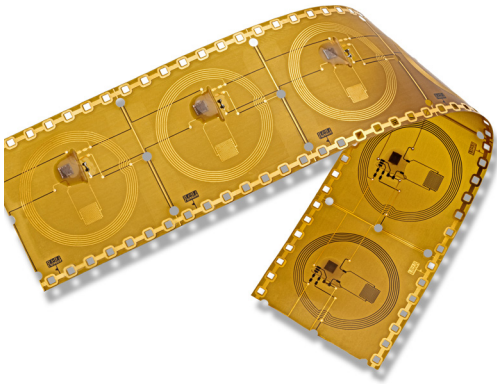
- Space optimization, miniaturization and weight reduction, thanks to a **thin electronic layer**
- **Conformability** to ensure that ergonomic connected device follows body shape
- **Integration** of antennas (NFC, Bluetooth, Wifi) for data transfer or sharing
- **Cost optimization**, thanks to a reduction in the number of components needed and a simplified assembly process
- Reel-to-reel process for easy integration into the wound dressing production flow

Linxens' production sites are set-up for mass volume, high quality, component manufacturing in reel-to-reel format. Our product can be delivered directly in reel-to-reel, panels or laminated in card format.

Contact Linxens for your tailored-made solution

#LinxensInside

MICROCONNECTORS



Overview

Materials
- Polyimide 50µm substrate
- Copper/Nickel/Gold metal
- Silver electrods
- Soldermask lamination and opening
- Wirebonding and SMT assembly

Delivery format

- Reel-to-reel
- Panel format
- Card format

International Standards

- BioCompatible materials ISO 10993
- RFID ISO 14443

Application Area

Healthcare connected objects
- Smart textile
- Smart wound dressings
- Wearable technologies

Linxens
crafting the future of connections