
PRESS RELEASE

Competence Center Schreiner PrinTronics at LOPEC

Printed Electronics: RFID Sensor Platform and Flexible Functional Films for Automatic Processing

Oberschleissheim, February 23, 2017 – Schreiner PrinTronics, Schreiner Group's competence center for printed electronics, at the "Innovation Showcase" of LOPEC in Munich (Hall B0) on March 29 and 30, will be presenting a world first: a printed RFID sensor platform featuring a complex label with electrical functions. Using printed conductive traces, the label combines a temperature and a first-opening sensor with a NFC chip. Thanks to an imprinted NFC antenna, the chip can be read with a smartphone equipped for this purpose. Developed for roll-to-roll processes, the solution is perfectly suited for automated processing.

When the printed RFID sensor platform is used to seal a product pack it performs two essential functions. By means of a sensor, it continuously measures and records temperatures across the entire supply chain throughout the label's lifetime. A very thin, flexible battery embedded in the label enables such long-term data logging. An additionally integrated first-opening sensor indicates whether or not the label has been cut through to open the box and the contents may have been exposed to tampering.

Other flexible and multilayer film products for electrical conduction, switching, measurement and control purposes to be showcased at the LOPEC booth include printed conductive traces, antennas, heating elements, reflectors, multifunctional user interfaces and other sensors. These Schreiner PrinTronics solutions are multifunctional as well and deliver high added value. Based on in-depth know-how in printing of silver and carbon, in insulation and through-hole interconnects, Schreiner PrinTronics has been developing high-precision roll-to-roll printing of electronics to consistently higher levels in recent years.

For more information, please contact:

Susanne Hoeppner, Trade Media and Product Communications
Phone +49 89 31584-5852, susanne.hoeppner@schreiner-group.com

About Schreiner Group

Schreiner Group GmbH & Co. KG is an internationally active German family-owned business operating in the printing and film-converting industry. The company offers tailored products, solutions and services for the pharmaceutical industry and medical technology, logistics, mechanical engineering, the electronics and automotive industries. In addition, Schreiner Group's customer base includes banks and government agencies.

The product portfolio encompasses innovative specialty labels, including self-adhesive functional components, RFID labels, printed electronics, and security solutions for product, brand and document protection.

Schreiner Group employs more than 1,100 people around the globe, generating annual sales of more than 170 million euros, and is headquartered in Oberschleissheim near Munich (Germany). Schreiner Group's high-tech labels are also produced in Blauvelt (New York, USA) and in Fengpu (Shanghai, China). The company's facilities extend across a total area of 72,000 square meters.

The high-tech company's identity is shaped by four core values: Innovation, Quality, Performance and Enthusiasm.

Schreiner Group GmbH & Co. KG

Bruckmannring 22
85764 Oberschleissheim
Phone +49 89 31584-0
Fax +49 89 31584-5166
info@schreiner-group.com
www.schreiner-group.com