

Munich, December 17, 2014

LOPEC 2015 Demo Line

Live production at the fair: Electroluminescent film by the meter

Thousands of electronic elements printed onto film or paper in a few hours: A Demo Line at LOPEC 2015 in Munich will show how it's done. During the fair, a complete production line will produce glowing examples of printed electronics "to go".

LOPEC, the International Exhibition and Conference for the Printed Electronics Industry, takes place in Munich from March 3–5, 2015. Once again, a special highlight awaits this year's visitors, i.e. the Demo Line, which is a production line for printed electronic elements. On March 4 and 5, electroluminescent films the size of a business card will be produced live in the exhibition hall. They display an illuminated logo when voltage is applied. Printed elements of this kind can be used to create radiant patterns and lines as well as fully illuminated displays. Multiple wafer-thin layers of conductive and electroluminescent materials are printed on plastic film or special paper and then encapsulated.

"Thanks to the Demo Line, LOPEC gives all manufacturers and users of printed electronic components a perfect opportunity to gather information about the manufacturing process and see machines in operation. No other exhibition has that," emphasizes Thomas Kolbusch, Vice President of Coatema Coating Machinery GmbH and LOPEC Exhibition Chair. More than a dozen exhibitors are participating in the Demo Line. Besides the production line, other separately operated systems will be on display, allowing them to gather information about other techniques such as inkjet, flatbed and silk-screen printing as well as the drying and post-processing steps.

Press contact Messe München
Bettina Schenk
PR Manager
Tel. +49 89 949-21475
bettina.schenk@messe-muenchen.de
messe-muenchen.de

Press contact OE-A
Sonja Kuhl
Press & Public Relations
Phone +49 69 6603-1896
sonja.kuhl@oe-a.org
www.oe-a.org



Messe München GmbH
Messegelände
81823 München
Germany
www.messe-muenchen.de



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The fact that production techniques for printed electronic elements are suitable for use in actual practice is illustrated by the Demo Line and—in general—by the constantly growing number of corresponding systems that are presented at LOPEC. "Organic and printed electronics are used in more and more branches of industry, from consumer electronics to the automotive and packaging industries. Because these new electronic components are thin, lightweight and flexible, they can be integrated directly into a number of applications," emphasizes OE-A Managing Director Dr. Klaus Hecker. That also applies to electroluminescent components: The packaging and advertising industry, for instance, is extremely interested in this sector because it wants to literally illuminate packaging or brochures using electroluminescent patterns, lines, blinking logos and dots.

The LOPEC Demo Line is an initiative of OE-A members, coordinated by the Fraunhofer Institute for Electronic Nano Systems and based on an idea from the Institute of Printing Science and Technology at Technische Universität Darmstadt. The companies participating in the Demo Line in 2015 are as follows: adphos, Altana, Bosch Rexroth, Coatema, DuPont Teijin Films, Felix Schoeller, Fujifilm Dimatix, Heraeus Noblelight, Heraeus Precious Metals, NovaCentrix, Thieme, Varta and Xenon Corporation.

Guided tours will be available several times daily on both days of the exhibition. Those who are interested should meet at the Demo Line Meeting Point.

Have yourself **accredited for LOPEC 2014** in advance and get your free press ticket by e-mail: <http://www.lopec.com/en/accreditation/>.

Additional printable **photo materials** and their rights of use are available at http://www.lopec.com/en/photos_and_logos/



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LOPEC

LOPEC (Large-area, Organic & Printed Electronics Convention) is the leading international event for printed electronics. The combination of an exhibition and a conference is the perfect way to depict the complex and dynamic nature of this new industry. A total of 2,143 participants attended the exhibition and the conference in 2014. There were 139 exhibitors from 18 countries, and speakers from 28 countries gave 195 lectures. LOPEC is organized jointly by the OE-A (Organic and Printed Electronics Association) and Messe München GmbH. The next LOPEC takes place from March 3–5, 2015. www.lopec.com

Messe München International

Messe München International is one of the world's leading trade show companies. In Munich alone it organizes around 40 trade shows for capital and consumer goods, and key high tech industries. Each year more than 30,000 exhibitors and around two million visitors take part in the events held at the Messe München exhibition center, the ICM – International Congress Center München, and in the MOC Veranstaltungszentrum München. The leading international trade fairs of Messe München International are all independently audited.

In addition, Messe München International organizes trade shows in China, India, Turkey and South Africa. With a combination of affiliates abroad – in Europe, Asia and in Africa – and over 60 foreign representatives actively serving over 100 countries, Messe München International has a worldwide business network. The Group also takes a pioneering role as regards sustainability: It is the first trade-fair company to be awarded energy-efficiency certification from the technical inspection authorities TÜV SÜD.

OE-A

The OE-A (Organic and Printed Electronics Association) was founded in December 2004 and is the leading international industry association for organic and printed electronics. The OE-A represents the entire value chain of this industry. The members are world-class global companies and institutions, ranging from R&D institutes, mechanical engineering companies and material suppliers to producers and end-users. More than 220 companies from Europe, North America, Asia and Australia are working together to promote the establishment of a competitive production infrastructure for organic and printed electronics. The OE-A is building a bridge between science, technology and application. The OE-A is a working group within VDMA (German Engineering Federation). www.oe-a.org