

Press information

PolyIC GmbH & Co. KG: June 24, 2009

Applications fireworks at the LOPE-C 2009 - PolyIC demonstrates interactive applications of printed electronics

Fuerth, Germany: As previously announced in May this year, PolyIC will be demonstrating, live and exclusively, the innovative applications for printed electronics at the LOPE-C in the Frankfurt fair halls. These applications include the PolyIC coffee machine with contactless operation, thanks to printed radio chips, and an interactive marketing application.

Another example is the use of radio chips in the sector of brand protection which enable products to be checked for their authenticity. This is demonstrated by means of an intelligent wine label. In addition, globally unique printed radio-activated displays in which interactive quizzes are integrated will be on show. Games for the next generation look like this: Inexpensively produced by a printer, the playing card interacts with the player via an activator. A similar application involves tickets with interactive displays.

A highlight at the PolyIC exhibition stand is a roll of printed electronics from roll-to-roll production, plus information about the production data, e.g. about the transistor yield. Transistor yields of 99% have already been measured. The roll can be seen on the appended picture.

PolyIC will also be showing printed RFID tags exclusively and live in function for the first time in the history of printed electronics. These RFID tags originate from the ongoing roll-to-roll production. They will be demonstrated at the PolyIC stand, together with a corresponding reader.

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And that is not everything: even more exhibits will be on display, such as high resolution flexible structures, results from the PRISMA project, an evaluation kit for printed radio chips and more. A visit to the stand H22 will definitely be worthwhile!

PolyIC GmbH & Co. KG

PolyIC is a leading developer of polymer electronics technology and moreover a future supplier of printed electronic products and components. The two product lines are called PolyID[®] and PolyLogo[®]. The activities are focused on providing innovative low cost electronics for mass markets.

PolyIC focuses on its expertise in materials, new adapted chip design methods as well as mature mass production processes (roll-to-roll printing) for the development of this new technology and the goal of large-volume production.

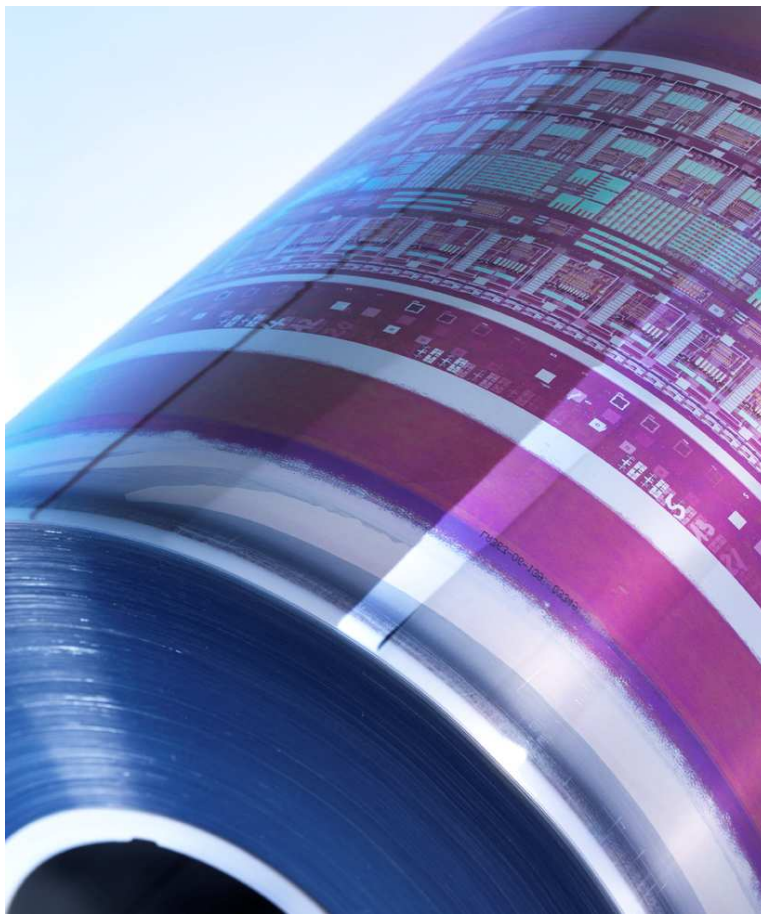
The leading application for PolyIC is RFID (radio frequency identification). The wireless data transfer technology has the potential to be used in various electronics applications being thin, flexible, robust and low-cost.

PolyIC is a member of EPCglobal – an organization for standardizing the use of RFID in the industries as well as a founding member of the OE-A (Organic Electronics Association), a working group under the umbrella of the VDMA (Verband Deutscher Maschinen- und Anlagenbau). The OE-A promotes organic electronics internationally. Furthermore, since 2008 PolyIC is a member of AIM-D e.V., an association for automatic identification and mobile data capture.

PolyIC GmbH & Co. KG was set up in November 2003 as a joint venture between Leonhard Kurz (51%, hot stamping and coating) and Siemens (49%, electronics) for the development and production of printed polymer electronics. In-between Erlangen and Nürnberg, PolyIC is headquartered in Franconian Fürth on the premises of Leonhard Kurz Stiftung & Co. KG.

PolyIC's webpage is accessible at www.polyic.com. More information about the convention LOPE-C 2009 can be found at www.lope-c.com.

Expressive pictures regarding the topic of organic electronics are ready to download at <http://www.polyid.de/en/press-images.php>.



Printed electronics on roll produced by PolyIC