

## Pressemitteilung / Press Release

**Head:** RUCO Druckfarben at InPrint 2017:  
**Innovative LED screen printing inks for maximum process security**

**Copy:** **Between 14-16 November 2017, Eppstein/Germany-based printing ink specialist RUCO will be presenting its product range at the InPrint 2017 trade fair for industrial print technology in Munich (Hall A6, Stand 454). The focus this year will be on two universally curing screen printing ink series that are suitable for use both with LED technology and on machines with mercury- or iron-charged standard UV lamps.**

The demand for LED-curing printing inks has been increasing continually for some time. This is not surprising as this modern technology offers a range of advantages over conventional UV curing. The saving of time is likely to play an especially important role for printing press operators. In contrast to standard UV lamps, LEDs require only a few seconds before they are ready to use. Furthermore, subsequent processing of the printed material can be carried out immediately after printing. Another significant advantage is that LED lamps do not emit infrared radiation, which means that there is no distortion risk with heat-sensitive substrates such as plastics. Last, but not least, LED curing also offers environmentally relevant advantages: UV LED lamps require relatively little energy, and they produce no ozone emissions.

RUCO's LED screen printing ink series **937LED** and **955LED-LM** allow users to enjoy all these advantages. Printers save valuable time and benefit from maximum process reliability – fully in line with RUCO's own quality label "Secure in print processing". And if there are both conventional UV-curing systems as well as machines using LED technology available at the print shop, they will also benefit from simpler procedures in stockpiling.

### **937LED: Brilliant glass decoration**

Whether cured under standard UV lamps or LED lamps, the two-component inks of series **937LED** for the decoration of glass, ceramics and metal feature excellent adhesion and very good resistance to chemicals, water and abrasion. Outstanding results are also achieved in terms of dishwasher and frost resistance. Due to their high level of reactivity they allow for high production speeds.

It goes without saying that the new inks are also convincing from a visual point of view. In addition to 11 basic colour shades that feature high opacity and colour brilliance, RUCO offers transparent white, high-opacity white and black formulations, and a wide range of special-effect inks for metallic, glitter, matt and frost appearances. This opens up a broad spectrum of impressive design opportunities.

### **955LED-LM: Low-migration, silicone-free LED curing system**

The innovative ink series **955LED-LM**, designed for printing on plastic containers, in particular tubes made of polyethylene, combines three crucially important forward-

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looking properties: In addition to offering low-migration characteristics, the inks are free from silicone and represent a pure LED curing system. With this unprecedented combination, this product sets new standards in the field of screen printing inks.

Thanks to its low-migration formulation, 955LED-LM meets the stringent requirements of the “Swiss Ordinance SR 817.023.21”, “EuPIA Suitability List of Photoinitiators” and the “Nestlé Guidance Note on Packaging Inks”. Thus, the series is especially suitable for printing onto the outer surface of plastic packaging for the food and cosmetics industries. The second benefit is that the inks are completely free from silicone, which makes them ideal to be combined with one another as well as with other ink systems and varnishes, while also allowing for embossing. During printing, the inks’ optimum flow properties become prevalent and the print results feature exceptionally high gloss. Due to being highly reactive, the inks allow for high printing speeds of 100 pcs/min and exhibit excellent adhesion and elasticity.

In addition to LED screen printing inks, RUCO will also be showcasing a wide range of pad printing inks at InPrint 2017 that meet extremely rigorous demands in terms of environmental compatibility and user friendliness, and offer excellent mechanical and chemical resistance. To be mentioned here first and foremost are ink series **T35**, **T120** and **T200**, all of them free from cyclohexanone and aromatic solvents:

Pad printing inks of series **T35** were developed especially for the highly sensitive field of toy decoration and are suitable for use on ABS, SAN, acrylic glass and polystyrene. These one-component inks meet all the demands specified in relevant industrial standards, as well as in the EuPIA Exclusion Policy, REACH regulation (SVHC), the Swiss Ordinance (SR 817.023.21), Canadian Hazardous Products Act (R.S., c.H-3, s.1.) and the current European safety standard EN 71-3. T35 inks are free from phthalates and chlorine compounds and can also be used for printing onto the outer surface of food packaging, correct handling ensured.

Fast-curing pad printing inks of series **T120** are ideally suited for rotary pad printing, one of their main areas of application being the high-speed printing of bottle caps made of pre-treated PE and PP. However, T120 inks are also an excellent choice when it comes to conventional pad printing applications, such as the decoration of advertising materials, electrical devices and home appliances.

One- and two-component inks of series **T200** are true “all-rounders” for universal use on a wide range of plastic materials used in the packaging, advertising and home appliance industries. These inks are free from phthalates and aromatic hydrocarbons and, like T35, can be used for printing onto the outer surface of food packaging.

RUCO’s exhibition portfolio will be rounded off by proven series **T25** inks for pad printing on PE and PP which are used in a wide range of industrial applications, and the universal T28 ink series, designed for the decoration and coating of glass, ceramics and metal.

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**Weitere Infos  
und Kontakt:** A.M. Ramp & Co. GmbH  
RUCO Druckfarben  
Lorsbacher Str. 28  
**More  
information  
and contact:** D-65817 Eppstein  
Germany  
Tel.: +49 (0) 6198 – 3040  
Fax: +49 (0) 6198 – 32288  
[info@ruco-inks.com](mailto:info@ruco-inks.com)

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