

Issue
6-2020 (November)

Special section

Digital Printing today

Flexo+Tief Druck

Our editorial staff is preparing the following focus topics:

drupa countdown Part 1: Prepress – Printing Inks – Digital Printing

Prepress flexo and gravure printing (colour separation, colorimetry, proofing, fixed colour palette, form production, workflow)



Source: hubergroup

→ „Right the first time“ is possible

In package printing, the colour preparation must be optimized in advance so that, at best, no colour corrections are necessary on the printing machine. The prerequisite for this, however, is the establishment of a reliably functioning colour management: In this context, the colour kitchen and the proof process are of particular importance.

Print quality rated correctly

Under the umbrella of the IK Industrievereinigung Kunststoffverpackungen e.V., experts from IK member companies have designed an interesting document for assessing and standardizing the print quality of primary packaging made of foils and foil composites.

Inks and varnishes for package printing – colour systems, colour logistics, dosing

Finishing (effect colours, varnishing, embossed foil printing, coating, metallisation)

→ **Functional flexographic printing**

As part of the “Rock Star” project, the Fraunhofer Institute in Freiburg, Germany, developed a new type of high-throughput system for the metallization of silicon solar cells. The system is able to implement high-precision coating processes using flexographic printing.



Source: Fraunhofer Institut

Corona – Answers to the most important questions (FAQs)

Corona surface pretreatment on flexographic and gravure printing machines is an elementary process so that the inks and varnishes adhere to film substrates. In this article, the editorial team answers questions about corona technology that are frequently asked in connection with printing and coating.

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16 November 2020

Editorial deadline
20 October 2020

Max. Advertising closing
3 November 2020

Flexo+Tief-Druck 6-2020 (November) will appear in the run-up to this important industry event:

6. Expertentreff Verpackungsdruck
Osnabrück/FRG & Hybrid Event, 24-25 November 2020

Flexo Tief Druck Leading German-language technical magazine for package printing and converting industries

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Flexo Tief Druck New in 2020 with the section **Green Package Printing** – Ecology and Sustainability in package printing

Flexo Tief Druck Since 2019 with the special **Extrusion & Converting** – all about packaging films

Flexo Tief Druck The special section **Digital Printing today** focuses on digital package printing

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Drying / curing of inks and varnishes

Anilox rollers: transfer defined quantities of ink and varnish

→ Anilox rollers for special applications

The inking of flexographic printing plates or the flat application of a protective varnish are among the standard applications of anilox rollers. With today's possibilities of modern laser engraving for surface structuring, new, special and demanding areas of application can be opened up for the manufacturers of anilox rollers - be it the transfer of barrier varnishes and primers, the application of special functional layers or the application of pasty media for security printing.

Doctor blade technology (printing applications and coatings)

Special Digital Printing today

→ Digital printing of packaging films

Special section **Digital Printing today**

For inkjet digital printing, printing on non-absorbent substrates continues to be a major challenge. Reformulated inks and primers are intended to improve ink adhesion and ensure high-quality, reproducible print results at relatively high speeds. This new generation of inkjet digital printing could compete with flexographic printing.

→ Digital printing on absorbent / non-absorbent substrates

→ Digital printing – specify and measure quality

→ Digital printing of rigid packaging (container printing)

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