

Our editorial staff is preparing the following focus topics:

Fair issue to the Fachpack trade fair

The Fachpack trade fair in Nuremberg, which takes place from September 28th to 30th, is an important guide for the packaging industry and its market participants in Europe. In its September edition and its five special newsletters for Fachpack, Flexo+Tief-Druck gives comprehensive insights into the range of products and services relating to the packaging process chain for industrial and consumer goods in the run-up to the fair.

Armed for the paradigm shift

In addition to the corona pandemic and the ongoing critical situation on the raw material markets, the paradigm shift in the packaging industry is a major challenge for Südpack. In a large report, the editorial team of Flexo+Tief-Druck describes how the leading manufacturer of flexible packaging has a wide variety coordinated measures prepares itself for the future.

Packaging 4.0 – on the way to fully crosslinked packaging production

→ Artificial intelligence is arriving

The future of package printing will also be significantly shaped by the development of Artificial Intelligence (AI). But what opportunities and challenges does this create? What solutions is the industry currently working on?

→ Process networking in forme production

Networking the manufacturing processes in flexographic and gravure printing requires more than just the automation of machines and systems. Above all, the further standardization and stabilization of the forme production is decisive.

Correct specification of flexo printing formes (Flat top dots, new screens, surface screening)

→ Cover story: The anilox roller - more important than ever

The anilox roller has always been a crucial component in flexo printing, but is now more important than ever in high-quality packaging printing. New cell and line shapes contribute to homogeneous white coverage without pinholes and transfer a defined amount of colour to flexo printing plates with high raster resolutions and surface structures. In addition, the anilox roller is becoming more and more important as a coating tool, be it for the application of barrier varnishes, adhesion promoters or adhesives. Flexo+Tief-Druck spoke to Andreas Willeke, Managing Director of TLS Anilox, about the challenges this poses for an anilox roller manufacturer.

Gravure cylinders and embossing rollers for special applications



Publication date
7 September 2021

Editorial deadline
13 August 2021

Advertising closing
20 August 2021

Flexo+Tief-Druck 5-2021 (September) will appear in the run-up to this important industry events:

DFTA Tagung ProFlex,
Konstanz/D:
15 September 2021

ERA Packaging & Decorative Conference,
Thessaloniki/GR:
21–23 September 2021

Fachpack,
Nürnberg/D:
28–30 September 2021

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

Flexo+Tief-Druck In the special section **Extrusion & Converting** everything revolves around the packaging film

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Issue
5-2021 (September)

Special Section **Extrusion & Converting**

Flexo+Tief Druck

Corona and plasma technology: Surface treatment of recyclable packaging films

Electrostatics - Risk of explosion from electrostatic charges

The dreaded electrostatic charges arise through contact and separation of the flammable liquid, i.e. through pumping, stirring, mixing, sampling and cleaning work. If there is a gas discharge due to high electrostatic charge with sufficiently high energy, an explosion occurs, which can result in considerable personal injury and property damage. To prevent this, Eltex has developed a new type of earth monitoring system that continuously monitors the grounding of the property.

Flexo and gravure printing machines and peripherals – small runs, high degree of finishing

Special Extrusion & Converting

Special Section **Extrusion & Converting**

A major focus of this “Extrusion & Converting” special from Flexo+Tief-Druck will be the production of recyclable packaging films made from mono-materials. The editorial team is looking into the extent to which they can fulfill the protective and convenience functions of conventional film structures.

- Film technology (extrusion, pre-treatment, lamination, composites)
- Coating processes: advantages and disadvantages, areas of application
- Winding up properly: Technical rollers, expansion chucks, brakes, safety chucks, winding shafts
- Packaging converting: laser systems, die cutting, cold and hot foil stamping
- Roll slitting machines – common mistakes when assembling printed reel goods

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