

Issue
5-2022 (September)

Special Section
Extrusion & Converting

Flexo+Tief
Druck

Our editorial staff is preparing the following focus topics:

Fair issue for FachPack

FachPack sees itself as an important signpost for the European packaging industry and its customers and would like to offer the industry orientation. The new key theme for 2022 is therefore „Transition in packaging“ and is dedicated to the strong currents that are currently affecting the packaging industry. Topics such as sustainability, circular economy, digitization and e-commerce are changing the packaging industry profoundly. What shopping behavior will consumers show in the future? All of these topics are not just a task for the packaging industry, they also offer a great opportunity for change. We report on the trends and new products that we can expect at the fair.



Fair issue for K show

As the world's leading trade fair for the plastics and rubber industry, the K show next October is the business platform for groundbreaking innovations and developments as well as visionary impulses. Game changers such as the circular economy and digitization will find a platform here. It is about nothing less than perspectives and solutions with which industry and research from all over the world want to master global challenges in the long term and successfully shape the future. We give a preliminary report.



Industry 4.0 – on the way to fully crosslinked packaging production

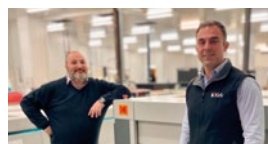
Correct specification of flexo printing formes (flat-top dots, new screens, surface screening)

→ Sleeves and adapters - the often underestimated components in flexographic printing

Sleeves and adapters may not always be the center of attention, but they play an important role in ensuring a smooth, profitable and sustainable flexo printing process. Some suppliers offer upgrade palettes for their sleeves and adapters, which include a variety of different solutions from notches, rings and end plates to conductivity, register and assembly tools and identification systems. In addition, completely new solutions are developed together with the customer, taking into account the specific requirements.

→ Exclusive interview with Miraclon: „There is still a lot going on in flexo printing!“

Miraclon is one of the world's leading providers of prepress solutions and platemaking for flexo and packaging printing. In an exclusive interview, Emma Schlotthauer (Chief Marketing Officer) and Reid Chesterfield (Chief Technology & Innovation Officer) - despite the uncertain framework conditions - venture a highly interesting outlook on future business development and talk about the consequences this has for flexo printing.



Source: Miraclon

→ LED-optimized flexo printing plates - efficient, sustainable and high quality

Surface screening in combination with LED exposure and LED-optimized flexo printing plates are crucial factors in achieving energy-efficient, sustainable, stable and high flexo printing quality. Above all, the optimized coordination of photopolymer material and exposure parameters are crucial parameters in order to achieve the required print results in a repeatable manner. UV-LED exposure systems in the production of flexographic printing plates, in conjunction with automation processes, contribute to the high reproducibility of the flexo printing plates produced, as well as high exposure quality.

Gravure cylinders and embossing rollers for special applications

→ Electromechanical engraving - there is always a better way

Over 80% of the gravure cylinders for package printing in Europe are electromechanically engraved. The electromechanical engraving process, including the quality check of the gravure cylinders, is a standardized and fully automated process that no longer requires an operator. But that's not entirely true: Changing the engraving heads is still a manual process. Hell has now developed a new engraving head that is intended to reduce the number of changing processes to a necessary minimum.

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26 August 2022

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ERA Packaging & Decorative Conference,
Baveno / Italy:
21-23 September 2022

FachPack,
Nuremberg / FRG:
27-29 September 2022

K Show,
Dusseldorf / FRG:
19-26 October 2022

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

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

Flexo Tief Druck The special section Digital Printing today appears twice a year as an magazine-in-a-magazine

Flexo Tief Druck 6 x per year as a print edition, always up to date on flexotiefdruck.de

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Corona- and plasma technology: surface treatment of recyclable packaging films

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

→ Quo vadis Bobst?

The transition from a pure machine manufacturer to a sustainable, digital and networked solution provider is not an easy path for Bobst either, but it will be decisive for future viability. How far is the Bobst Group and will it be successful with this strategy?



Source: Bobst

→ Is 7C even possible in gravure?

Normally, gravure printing has all the prerequisites for printing in the extended color space: a metallic printing form that ensures a highly stable register in the print run and a highly automated form production that guarantees a high standard and reproducibility. However, there are some „pitfalls“ in prepress that should be avoided to ensure that the results in 7C gravure correspond to what was previously agreed with the customer.

Special Extrusion & Converting (n° 2/2022)

Special Section
Extrusion & Converting

Twice a year, everything revolves around packaging film in our special section Extrusion & Converting.

→ Film technology (extrusion, stretching, pretreatment)

→ Retrofit of extrusion and coating plants

→ Coating processes: advantages and disadvantages, areas of application, doctor blade solutions

→ Additional benefits: coating and printing with laminating machines

→ A laminating machine for demanding lidding films

At the end of 2021, a team from Megapak and Nordmeccanica carried out the assembly, commissioning and start of production of a combined LH/LF laminating machine of the Duplex Combi Linear type at Selig Flexibles, based in Niederglatt in Switzerland. After almost two years of consulting, specification and project phases, the new machine was delivered and was ready for factory testing.

→ Winding up properly: technical rollers, expansion chucks, brakes, safety chucks, winding shafts

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