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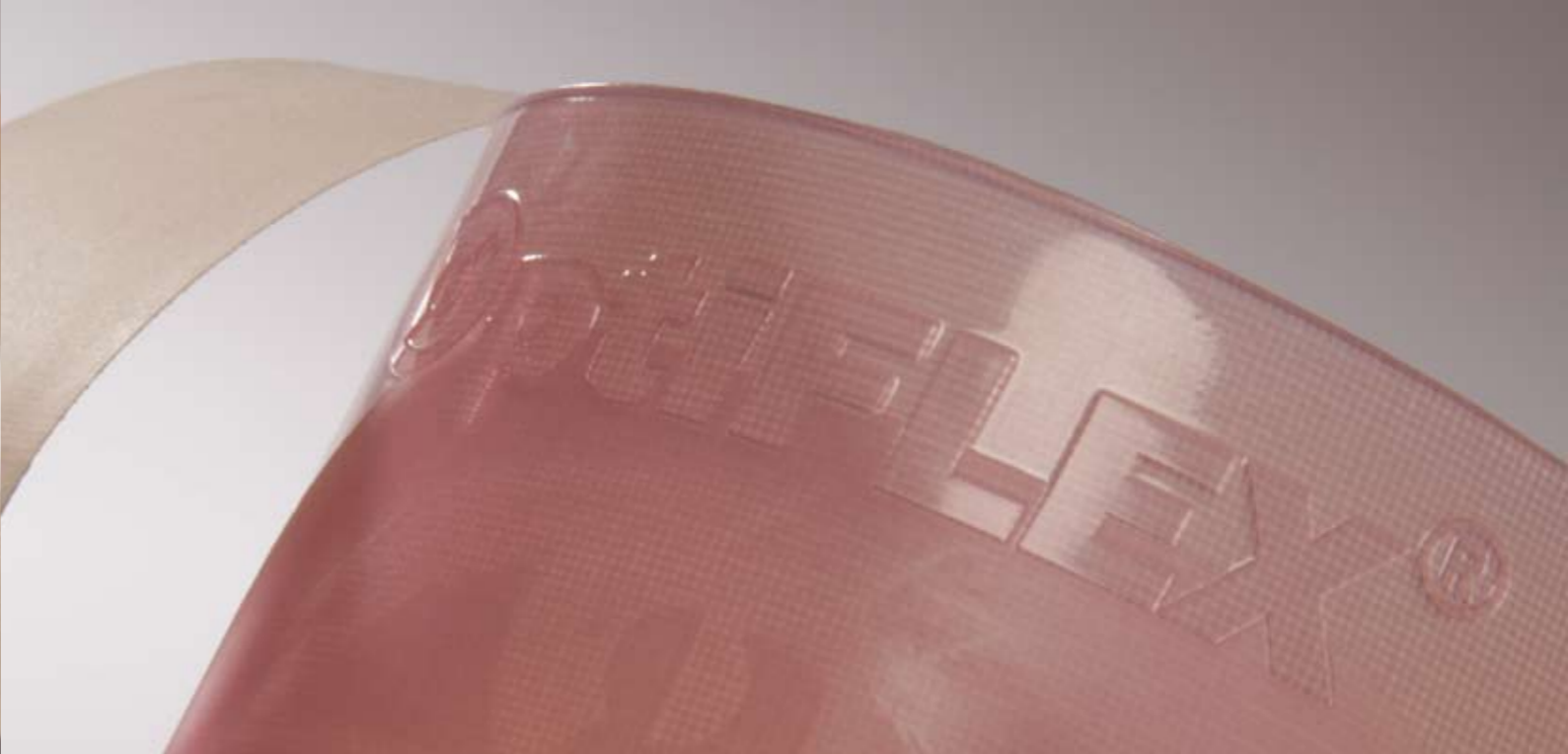
OptiFLEX® thinsleeve system for mid and wide web

Quality. Repeatability. Productivity.

AKL Flexo Technik

STORK® knows-how

AKL
FlexoTechnik
part of stork prints



OptiFLEX® thinsleeve system

AKL Flexo Technik is a member of Stork Prints group of companies and a leading manufacturer of OptiFLEX® thinsleeves, mounting sleeves, bridge sleeves, laser sleeves, anilox sleeves and inline washing machine adapters for the printing industry.

The patented OptiFLEX® thinsleeve system is an industrial flexographic printing forme solution, comprising a seamless photopolymer-covered thinsleeve and OptiFLEX® foam adapter, with integrated cushion layer.

AKL Flexo Technik is the only provider on today's market that configures a photopolymer

seamless sleeve and foam adapter to match the requirements of the application.

The OptiFLEX® thinsleeve system explained

The first step is the installation of the OptiFLEX® foam adapter, which is mounted on to the air mandrel of the print position. This is made possible by an air cushion, created between the mandrel and the inner cylinder of the adapter, via orifices on the cylinder surface of the mandrel.

The air cushion expands the inner cylinder of the adapter, enabling it to slide on to the air cylinder.

The adapter is locked with the appropriate interface of the printing press.

Integrated air holes pass the air pressure to the outside of the adapter. Now, the OptiFLEX® thinsleeve can slide easily over the adapter. When air pressure is released, the system is locked and ready for print.

The OptiFLEX® thinsleeve system reduces your makeready time at least 50 per cent and ensures consistent, precise and fast registration.

Printing benefits of OptiFLEX®

- High registration accuracy;
- OptiFLEX® foam adapter has a fast restore capability;
- Consistent first dot over the print length;
- Consistent first dot in circumference;
- Consistent compressibility over the full width.
- Drastically reduced bounce and vibrations;
- Seamless design gives new design opportunities;
- No plate lifting.

Economical benefits of OptiFLEX® thinsleeve system

- OptiFLEX® enables at least 25 per cent higher printing speeds;
- Faster makeready time;
- Reduced ink and substrate waste;
- No plate mounting;
- Higher production efficiency;
- Increased production output per employee;
- Higher profitability;
- Excellent lifespan of the OptiFLEX® thinsleeve and foam adapter.

Benefits for the brand owner and print buyer

- Consistent quality on repeat orders;
- Excellent print quality.

Product Specifications

- Available repeat range from
- 260 mm up to 1050 mm
- Sleeve width up to 1700 mm
- Fast delivery time
- Laser Ablative Mask for digital laser imaging
- Robust compressible layer in different hardness levels to meet the required application.
- Roundness accuracy to within 20 micrometer.

