

## system grau

A flexible system for converting special applications. Available as a standalone solution or system integration, it can be adapted precisely to applications and customer needs.

**Applications:** Special uses such as aluminium, glass fibre, labelling material and flexible printed circuit boards in a vast range of sizes and constellations, as well as foils and films all the way through to thinner and solid materials.

**System:** Depending on requirements, system grau is available as a cantilever model, as a single- or twin-base layout, or as a module. The system is not a single, strictly designed machine type but an engineering concept that can be designed precisely to customer needs using state-of-the-art tools and proven know-how.

**Advantages:** Thanks to the system's flexibility and the know-how of experienced designers, our customers are guaranteed to receive a solution tailored exactly to their precise needs. For unwinding and rewinding or slitting and winding.



FAES  
system grau



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## Examples of special material converting using flexible system grau

### Small, narrow rolls (covering and adhesive rolls)

system grau for the conversion of small, narrow rolls. Particularly in the case of very sensitive materials such as adhesive or soluble substances, or delicate foils and masking or adhesive tapes made of paper, the system guarantees a high standard of quality in the end product. Converting is possible from core diameters of 8 mm upwards and slitting widths of 4 mm.

### Sensitive surfaces (insulation tape)

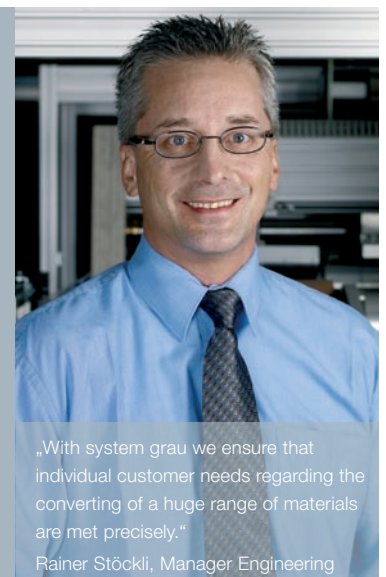
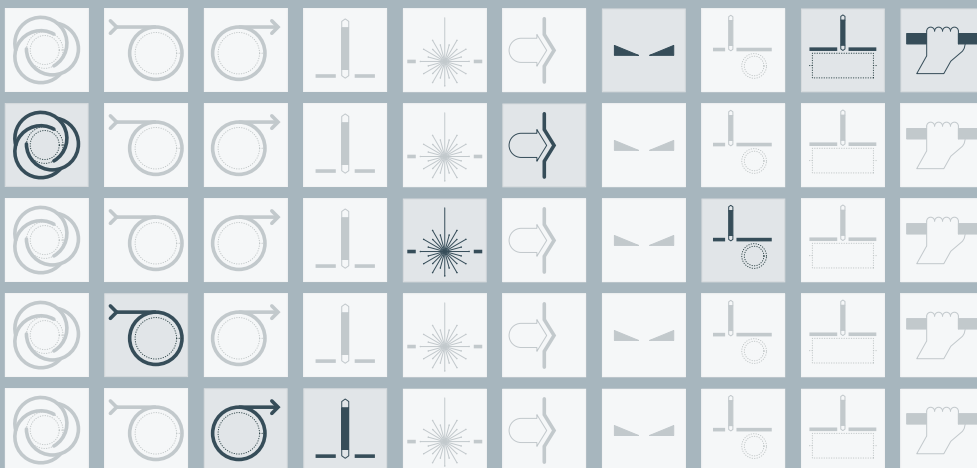
Glass fibre insulation tape – yet another system grau application: In order to convert this material, the machine needs to meet high demands. The specific properties of insulation tape require a system with high winding tension and contact pressure. The roll slitting process achieves slitting widths from 10 mm.

### Unwinding/rewinding unit (FPCB; also solar foils, coated products)

system grau is configured as the ideal unwinding/rewinding unit for flexible printed circuit boards in roll-to-roll processing. The uncoated material is unwound for the coating process. Finally, the finished FPCBs are carefully rewound to ensure that the sensitive material is not damaged.

### Large, narrow rolls

An application designed for the optimal conversion of large rolls in very narrow slitting widths ("pancakes"). The system converts labelling material and various other materials in slitting widths from 5.9 mm up to winding diameters of 400 mm, at a maximum speed of 300 m/min.



„With system grau we ensure that individual customer needs regarding the converting of a huge range of materials are met precisely.“

Rainer Stöckli, Manager Engineering