

High-performance applicator for epoxy resin coatings using environmentally friendly solvent-free technology



1,650-mm-wide epoxy resin applicator for applications in the aerospace, automotive and sports industries

The PAK 400 EP was specially developed for use with the difficult resin coatings used in the prepreg industry. Since 1984 we have supplied film coating systems for composite material manufacture based on solvent-free 100% epoxy resin. The majority of modern producers in this sector rely on our technology. Using standard components each system is tailored to the needs of the particular customer.



PAK 400 EP with a working speed of 150 m/min for parallel run and reverse running operation

Our spectrum comprises high-performance applicators that enable the lowest coating weight tolerances, down to +/- 0.5 g/m² (parallel run). Machines for the manufacture of commercial products, in particular for the sporting equipment industry, are running successfully at speeds of up to 150 m/min.

Our systems can be fitted both as single winding stations or as double reversal winders for flying reel-change, without stopping the machine.

Technical data PAK 400 EP

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|---------------------|--------------------------------|
| Working width | : 600 - 1,700 mm |
| Working speed | : up to 150 m/min |
| Viscosity | : 2,000 - 500,000 mPas |
| Min. coating weight | : approx. 10 g/m ² |
| Max. coating weight | : approx. 500 g/m ² |

Ideal for use in the composite materials industry

The PAK 400 EP is marked by particular fittings necessary for use in the composite materials industry:

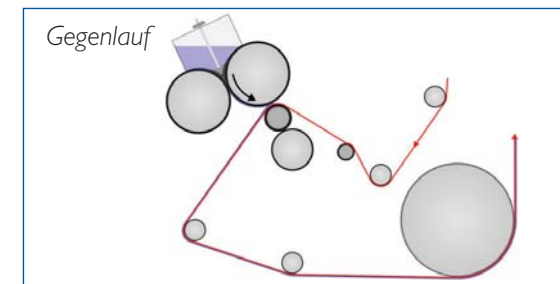
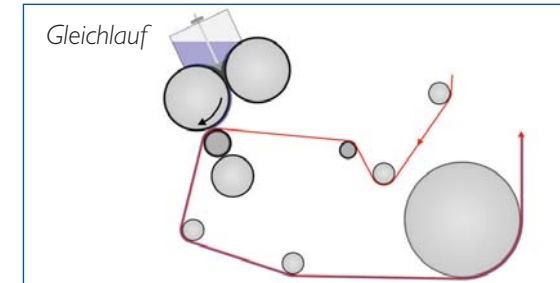
- High-precision rolls and select roller bearings with tight tolerances for highly even coating weights
- Bending compensation for the applicator and metering rolls
- Ceramic coating of the application rolls for a life that is several times longer than without
- Very precise temperature control of the rolls and of the upper case to provide more even application
- Fast changes of parallel and reverse coatings
- Clean compound application due to small, opposing pressure roll
- Coolable supporting roll
- Modern control and drives for precise roll speeds
- Non-stick coating on the material guide parts for easy cleaning

The following additional options are available in order to adapt the machine to various customer requirements.

- Laminating station to admit PE foil or inlays
- Coating weight measurement (beta radiation)
- Strip coating
- Sleeve technology of opposing pressure roll
- Optical roll gap measurement
- Motorized roll gap adjustment
- Semi and fully automatic unwind and winder with buffer for butt-splicing. Also turret unwinding and winding for shaftless or roll shaft
- Menu-driven control of the machine and data management
- Turnkey installation

The PAK 400 EP is used for epoxy resin coating in the following industries:

- Aerospace
- Automobile
- Sports equipment
- Wind Energy Plant
- Ship Building
- Medical Technology



For the highest quality: Continuous cleaning of application and metering roll