PAK 400 EP

Possible applications


Aerospace


Automotive


Structural components


Wind turbines


Ship building


Aircraft interior

High-performance filmer

FOR EPOXY RESIN COATINGS

PAK 400 EP

The PAK 400 EP is especially developed for the coating of high viscous resin films in the prepreg and composite industry.

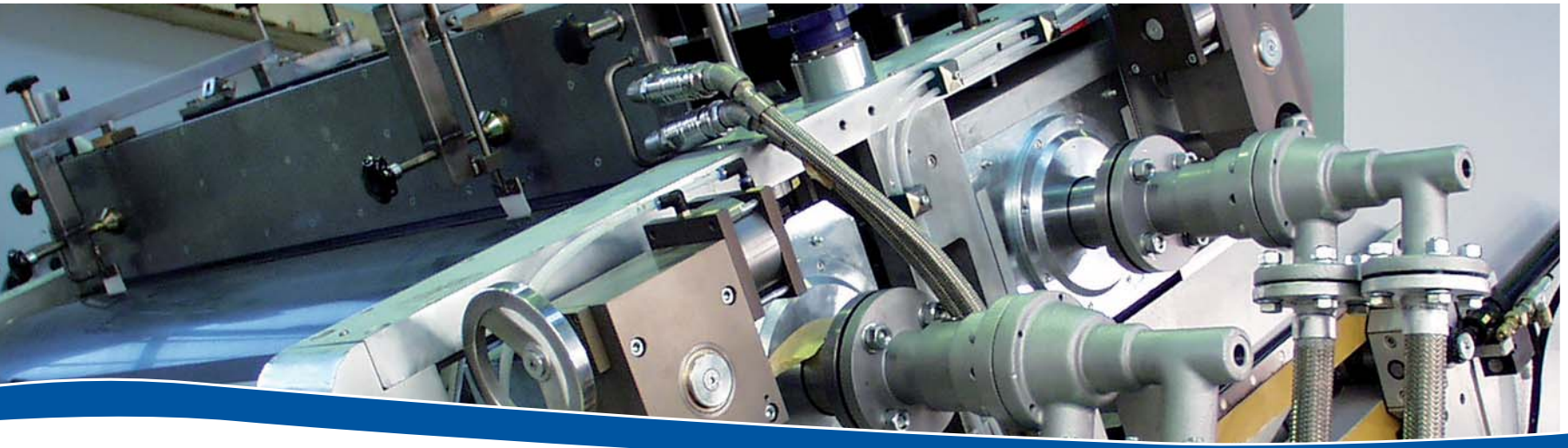
Since 1984 we supply film coating lines for the composite material manufacturing industry based on solvent-free epoxy resins. The majority of worldwide renowned producers in this sector rely on our technology. By using standard components, each line is tailored to the needs of the particular customer.

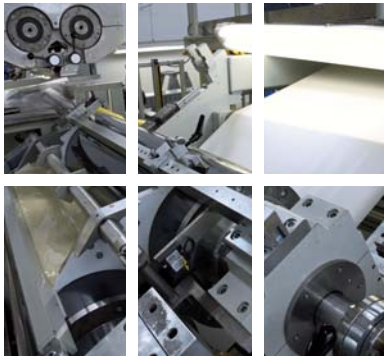
The spectrum comprises high-performance stations enabling the lowest coating weight tolerances of +/- 0,5 g/m². Temperature accuracies of +/- 1 °C of the high precision coating rollers are fulfilling and even exceeding the highest requirements. Operation speeds up to 150 m/min can be achieved.

The PAK 400 EP can be fitted with both, single and turret winders for flying reel-change without stopping the line.

KROENERT
The Coating Machinery Experts

KROENERT GmbH & Co KG · Schützenstr. 105 · D - 22761 Hamburg
Tel. +49-40/853 93 01 · Fax +49-40/853 93 171 · www.kroenert.de · info@kroenert.de





Ideal for use in the composite materials industry

The PAK 400 EP is characterized by particular features necessary for the operation in the composite materials industry:

- 4 roller coating station
- High-precision rollers and roller bearings with tight tolerances for very precise coating accuracies
- Bending compensation for the applicator and metering rollers
- Ceramic coating of the application rollers for an elongated lifetime compared to chrome plated rollers
- Precise temperature control of the rollers and of the feeding box to assure accurate coatings
- Fast changeovers from forward to reverse coating mode and vice versa
- Precise and clean mass transfer from the coating roller to the substrate due to pressure roller with small diameter
- Coolable steel supporting roller
- Non-stick coating of the parts in contact with the resin for easy cleaning
- Controlled cooling of the coated substrate
- Precise and efficient resin melting and feeding by the RESINMELT
- Modern control and drives for precise roller and substrate speeds as well as web tension

Comma bar coating

RESINMELT

The following options are available in order to adapt the line to various customer requirements:

- Comma bar coating station
- Slot die coating station
- Laminating station to allow PE film or scrim lamination
- Coating weight measurement (beta radiation or ultrasonic)
- Stripe coating
- Sleeve technology of pressure roller
- Optical roller gap measurement
- Motorized roller gap adjustment
- Shafted and shaftless operation of winders
- Menu-driven control of the line and data management
- Master or Turnkey installation
- Various executions of resin melting and feeding devices (e. g. RESINMELT)

Forward operation

Reverse operation

Technical data

Working width	500 - 1.800 mm
Operation speed	up to 150 m/min
Viscosity	2 - 1.000 Pas
Min. coating weight	apprx. 10 g/m²
Max. coating weight	apprx. 500 g/m²
Temperature	up to 180 °C
Reel diameter	500 - 1.500 mm