Coating Solutions for Fibre Reinforced Composite Products
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Coating Equipment
Prepreg
Impregnation technologie

Dipping / Foulard
Coating technologies

Direct coater or reverse roll
Coatema prepreg coating system
Coating technologies

Direct coater or reverse roll

Coatema prepreg coating system
Coating technologies

Slot Die Coating
Coating technologies

Extrusion Die / Hotmelt
Coating technologies

Powder Scattering
Curing systems

Drying with hot air technology
Curing systems

Drying with IR technology
Production line layouts

Thermosetting process

Resin coating process and laminating process separately

Step 1: Producing of the resin layer on release liner

Layer design and layout

✓ release paper
✓ epoxy resin
✓ release paper
Production line layouts

Thermosetting process

Resin coating process and lamination in one step

Pilotcoater for thermosettings and thermoplastic

- release paper
- epoxy resin
- release paper

layer design and layout
Production line layouts

Thermosetting process

Resin coating process and laminating process

layer construction
✓ release paper / polymer film
✓ epoxy resin
✓ carbon fabric
✓ epoxy resin
✓ release paper
Production line layouts

Thermosetting process

Combination of coating and laminating in one unit
Production line layouts

Thermosetting process
Production line layouts

Thermosetting process
Production line layouts

Thermosetting process
Production line layouts

Thermosetting process
Production line layouts

Thermoplastic process

Double Side Extrusion of thermoplastic resins
Production line layouts

Thermoplastic process

Powder scattering for thermoplastic resins

glass or carbon fiber material
Production line layouts

Thermoplastic process

Heating plate with protective film and lamination rolls
Production line layouts

Thermoplastic process

High precise calender systems with heating plates
Production line layouts

Thermoplastic process

Encapsulated cooling plates
Coating Equipment

Multi Purpose Line

3–30 m/min
Roller width 1.300 mm
working width 1.200 mm
✓ Thermosetting
✓ Thermoplastics
✓ Bobbin creel
✓ Inline cutting
✓ Touch panel control
✓ Automatic turret rewinder
Coating Equipment

Fibre Coating Module

- 5–60 m/min
- Roller width 300 mm
- Working width 250 mm
- Double chamber knife system
- Dual UV curing
- Touch panel control
Coating Equipment

Multi Purpose Line

0.1–20 m/min
Roller width 1,000 mm
Working width 800 mm

✓ Bobbin creel
✓ Fibre spreading module
✓ Web unwinder
✓ Partial Click and Coat design
✓ Multiple coating applicators
✓ Inline calender
✓ Hot air and hot plate curing
✓ Touch panel control
✓ Eex design
Coating Equipment

Coating Line

0,5–10 m/min
Roller width 400 mm
Working width 300 mm
✓ Bobbin creel
✓ Fibre spreading module
✓ Web unwinder
✓ Inline calender
✓ Eex design
Coating Equipment

Multi Purpose Line

0,5–50 m/min
Roller width 1.500 mm
Working width 1.300 mm

- UV curing hot melt
- Fibre spreading module
- Epoxy lamination
- Direct impregnation
- Transfer impregnation
- Powder scattering