

SANTEX RIMAR GROUP

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*Tradition is our strength
Innovation is our mission*

CAVITEC® ISOTEX®   SOLWA SperottoRimar

SANTEX RIMAR GROUP Worldwide

- Italy
- Switzerland
- China
- India



CAVIPREG

SANTEX
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GROUP

SANTEX RIMAR AG

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Prepreg lines

Machines for technical textiles

CAVITEC®

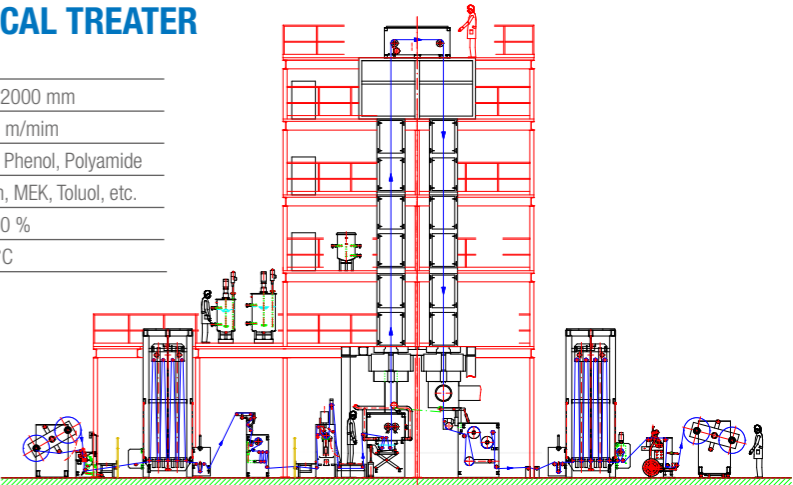
Plants for the impregnation of various types of glass and carbon fiber materials, nonwovens and papers, as intermediate products for PCB's in the electronic industry and for structural composites for aerospace and aeronautic industries, wind energy, sport goods, civil engineering and many more.

» Prepreg can be produced by a solvent bases or a holmelt process

CAVIPREG - VERTICAL TREATER

TECHNICAL DATA

Working width	500 - 2000 mm
Working speed	1 - 30 m/mim
Type of resin	Epoxy, Phenol, Polyamide
Type of solvent	Aceton, MEK, Toluol, etc.
Resin concentration	25 - 50 %
Temperature accuracy	+/- 1°C



Advantages of CAVIPREG

Holmelt - process

- High precision coating weight by patented gap setting system (tolerance +/- 1 micron)
- Automatic web handling systems for non-stop operation
- Perfect impregnation rate by precise gap control and cylindricity of the rollers
- High production speed by efficient consolidation

Solvent Based Process

- Virtually no air inclusion in the Prepreg
- Consistent curing from the core to the surface
- Optimum precise control of heating circuits
- Maximum energy efficiency
- Largely maintenance free
- High product quality at short curing time

Film Line

Matrix Film Production (Film Line)

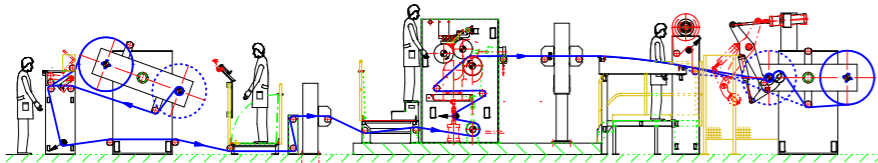
Coating of release paper with resin

Coating by direct roll, reverse roll or knife coating

CAVIPREG - FILM LINE

TECHNICAL DATA

Working width	600 - 1600 mm
Working speed	1 - 50 m/min
Type of resin	Hotmelt Epoxy
Coating weight	10 - 250 gsm
Roll concentricity	+/- 0.001 mm
Roll cylindricity	+/- 0.001 mm
Temperature accuracy	+/- 1°C



Tape Line

Impregnation / Transfer (Tape Line)

The reinforcement (UD-fibers or fabric) is between the 2 release papers

Transfer of the resin from the release paper into the fibers; from one or from both side

Saturate the fibers by heating and consolidation

CAVIPREG - TAPE LINE

TECHNICAL DATA

Working width	600 - 1600 mm
Working speed	1 - 20 m/min
Type of resin	Hotmelt Epoxy
Line pressure	up to 35 kg/cm
Temperature accuracy	+/- 1°C
Working process	impregnation by transfer

