

Thermoset pre-preg lines are the most widely used. Thermoset resins require heat to cure the resin, therefore are sensitive to thermal inputs and dwell times. Thermoset lines produce a material referred to as beta-staged pre-preg that, once produced, requires refrigeration to prevent additional curing of the resin.

Pre-preg lines combine a number of Cygnet Texkimp core skills and products. Most pre-preg lines consist of:

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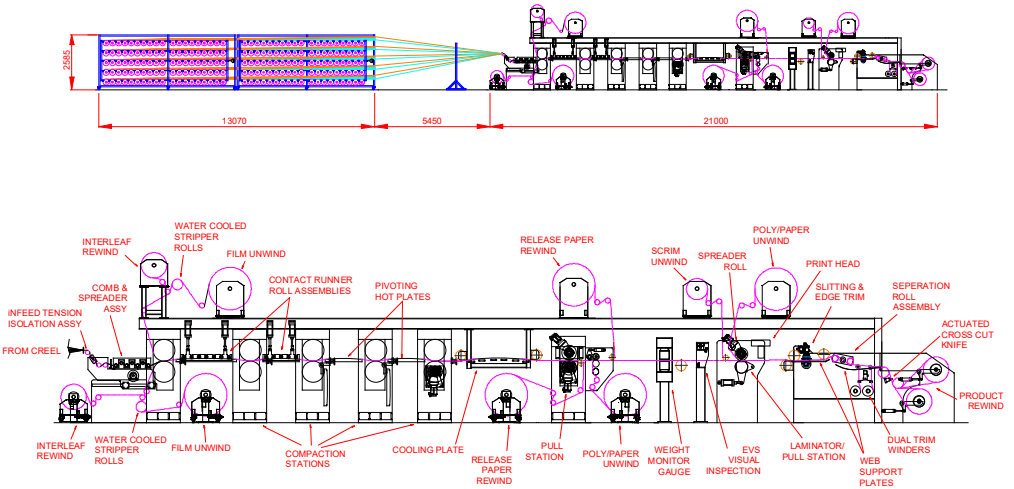
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- Unwinding: of paper, films, filaments, and fabrics
- Spreading
- Tensioning
- Coating
- Compaction
- Thermal Treatment
- Slitting and Trimming
- Rewinding

THERMOSET PRE PREG



Specification can be varied to suit any requirement

Process Speed	0-20m/min
Product Width	up to 70 inches (1780mm) wide
Temperature	Up to 200C (392F)
Materials	Fibre Glass, Carbon, Aramid
Polymer	Epoxy, Vinyl polyester, Phenolics, Bismaleimides

Cygnit Texkimp maintains both thermoset and thermoplastic testing lines at its research and development laboratory. The pilot equipment is available for use by our clients to enable process/product development and process evaluations.