



Thermoset prepreg lines are the most widely used.

The process involves applying a thermoset resin to a fibre or mix of fibres, such as carbon or glass, before curing or setting the resin in a chemical process to create a continuous sheet of thermoset compo site material that can be moulded into parts or slit into tapes for tape laying and filament winding.

Thermoset lines produce a material referred to as beta-staged prepreg that, once produced, requires refrigeration to prevent additional curing of the resin.

Prepreg lines combine a number of Cygnet Texkimp core skills and products, which mostly consist of:

For more information, contact us:

CYGNET TEXKIMP

Swan House, Kimpton Drive, Off Wincham Lane, Northwich, Cheshire. CW9 6GG

Tel: 01606 338748

Fax: 01606 338749

Email: info@cygnet-texkimp.com

Web: www.cygnet-texkimp.com

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

THERMOSET PREPREG

Specification can be varied to suit any requirement

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

Cygnet 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.

