



Cygnat Texkimp's spreading technology draws on the company's extensive process knowledge to overcome the challenge of maintaining the integrity of the formed sheet of fibres.

This machine is predominantly, but not exclusively, used to process UD (unidirectional) fibres used in thermoplastic and thermoset prepreg lines.

For more information, contact us:

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Spreaders are used to control the fibre area weight (FAW) of the material by increasing (spreading) or decreasing (condensing) the width of each fibre tow bundle.

Spreading is often achieved by passing the fibre over a surface such as:

- Curved Surface
- Static Roll
- Rotating Roll
- Static Bar
- Vibration/oscillation

OVER END CREEL

Specification can be varied to suit any requirement

| | |
|---------------------------------|--|
| Process | Beaming, warping, coating, twisting lines Pultrusion, filament winding, impregnation, direct weaving, knitting, coating lines |
| Materials / Applications | Any fibre where twist is acceptable or desirable and continuous running is required |
| Typical Speed | Limited by process and yarn type |
| Unwinding | Type: Over-end. Internal or external unwind. Continuous running or block loading. Yarn Path: a) Vertically to the guide eyelet above each package and then horizontally through guides or tubes b) Horizontally to a guide eyelet in front of each package c) Horizontal through swing arm, with either inside or outside yarn sheets |
| Typical Arrangement | Customisable, trolley or fixed design |
| Packages | Type: Cheeses, bottles and cones Dia: Up to 450mm (18") Weight: Up to 30kgs (66lbs) Other weights and diameters can be accommodated |
| Features Available | Very rigid welded and bolted framework Defined yarn paths with high quality guidance Wide range of tension units available for this creel, including S-wrap static bars Low maintenance requirements Bobbin locking device Anti-balloon wires or sheets Adjustable guide system for different tube size Closed eyelet or quick thread guides down length of creel |
| Optional Extras | End break detection system – Banner type End break detection system – Dropper Type Fixed and variable condenser boards and combs Splicers, splice tables, splice ovens |