



Cygnat Texkimp's state-of-the-art composite creels are designed for the unwinding of high performance multifilament packages into a large range of low and high speed downstream processes.

Each creel is specifically designed and configured to accommodate packages of precision cross-wound fibre weighing up to 22kg and measuring up to 450mm in diameter.

The layout of the creel and design of the yarn path ensure all tows remain separate from package to process to eliminate damage caused by touching and crossing.

For more information, contact us:

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COMPOSITE CREEL

Specification can be varied to suit any requirement

Process	Low speed – Weaving, Prepreg, Tow preg, Pultrusion, Impregnation, Coating, Laminating, Braiding High speed – Beaming, Warping and Section warping
Materials / Applications	Carbon Fibre, Aramid, Glass, others
Typical Speed	Low speed - Standard CF - Up to 25m/min High speed - Upgraded CF - Up to 200m/min
Unwinding	Type : Unrolling Yarn Path : Vertical or Horizontal
Typical Arrangement	Trolley or fixed design
Packages - Standard CF range	Type : Precision cross-wound packages, on tubes Max. Traverse : 250mm (10") Max. Dia : Up to 310mm (12") Max. Weight : Up to 14kgs (30lbs)
Packages - Upgraded CF range	Type : Precision cross-wound packages, on tubes Max. Traverse : 350mm (14") Max. Dia : Up to 450mm (16") Max. Weight : Up to 22kg (50lbs)
Features Available	Bespoke layouts to suit project requirements. Precise calibration of each running position at commissioning stage. All tows kept separate from package to process. Centrally adjustable tension system or Automated Tension Control System based on diameter or load to ensure constant tension control from full to empty cell. Low cost simple gravity weighted tension system. Interchangeable package holders or adaptors for different tube sizes. Standard or needle bearings for low friction / tension requirements. Pneumatic quick stop braking linked to downstream processes.
Optional Extras	Quick thread or closed eyelet guide systems. Fixed or variable-width condenser boards. End break detection systems.