



Cygnat Texkimp's customisable tyre cord creels are used for high-speed unwinding of tyre cord from random or precision cross-wound packages into weaving processes or single cord treatment lines.

These robust mobile or fixed-position creels use a mechanical brake system to maintain the yarn under constant controlled tension as bobbins are unwound from full to empty.

Tension can easily be set centrally or individually for each position, and controlled package braking for high speed, single end dipping processes can be activated without applying additional tension to the fibre.

For more information, contact us:

## **CYGNET TEXTKIMP**

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

Tel: 01606 338748

Fax: 01606 338749

Email: [info@cygnat-textkimp.com](mailto:info@cygnat-textkimp.com)

Web: [www.cygnat-textkimp.com](http://www.cygnat-textkimp.com)

# TYRE CORD CREEL

Specification can be varied to suit any requirement

<b>Process</b>	Airjet weaving and single end cord dipping
<b>Materials / Applications</b>	Polyester, Polyamide, Rayon, Aramid and hybrid yarns
<b>Typical Speed</b>	Typical speeds of 1000 picks/min (10m/min) Up to 200m/min for single end cord dipping (subject to yarn and package quality)
<b>Unwinding</b>	Type: Unrolling Yarn Path: Horizontal between rows
<b>Typical Arrangement</b>	Customisable, trolley or fixed design
<b>Packages</b>	Type: Cheeses, wound on parallel sided tubes, or flanged bobbin packages Precision cross wound or random wound Typ. Traverse: 250mm (10") Typ. Dia.: 310mm (12"), 350mm Typ. Weight: 14kg (30lb)
<b>Features Available</b>	<p>Minimum spindle to spindle tension variation Available as a hybrid creel with quick change adaptors for running either cheeses or flanged bobbins Adjustable tension control at each position Mechanical tension compensation during unwinding Low tension unwinding Quick stopping without over-tensioning the cords All cords kept separate down length of creel to avoid roping and crossing Ideal optimised unwinding triangle to first guide Package holder design enables easy loading and doffing Ceramic Guides. Gravity or centrally controlled tension system Standard or needle bearings for friction / tension requirements of application. Quick thread guide system Braking system for very large packages Mobile module / trolley with single handling of packages between cabler and creel Two operators can change out 1800 positions in approx. 2 hours No rethreading at changeover Each module can be placed anywhere within the creel Centrally adjustable tension system from one position on each creel section All thread paths see similar yarn angles High visibility threading system for easy inspection - eliminates all crossed ends Large diameter wheels for easy movement when fully loaded Narrower gangways between sections for threading only</p>