



Cygnet Texkimp offer a range of newly developed Multi Axis Winders to provide enhanced winding capabilities for complex parts, at high rates of fibre placement.

These winding systems are suitable for a range of fibres, tow-pregs or slit tapes. They use industry standard bobbin sizes and weights, to produce wound parts quickly and accurately.

Cygnet Texkimp are further able to utilise our automation and processing expertise to provide a turnkey manufacturing cell.

For more information, contact us:

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High Speed Winding for:

- Dry Fibre - Carbon, Aramid, Glass, Dyneema, etc.
- Tow Pregs
- Slit Tapes
- Automated Composites Manufacturing

MULTI AXIS WINDING SYSTEMS

Specification can be varied to suit any requirement

Process	Filament winding of multiple tows onto a stationary or rotating mandrel.
Materials / Applications	Carbon, Aramid, Glass, Dyneema, etc. Thermoset or thermoplastic tapes
Typical Speed	60 rpm x 16 bobbins per ring pair. No process limitation on number of bobbins
Bobbin Sizes	250mm Diameter typical, 250mm traverse on 3" or 94mm cores Cygnet Texkimp also offer a range of standardised package holder sizes
Balanced Fibre Tensions	Torque and bending loads are balanced around the part, allowing for mandrels with reduced strength
Features available	<ul style="list-style-type: none">• High fibre deposition rate• Balanced fibre tensions• More than 1kg/minute possible• Torque and bending loads are balanced around the part allowing for mandrels, with reduced strength