

Helix Thermo-Bonder Paintroller Winding Machine

Edward Jackson
Paint roller machinery



The Jackson Helix Thermo-Bonder winds and bonds pile fabric onto pre-cut core tubes

Key Features

- High Speed – up to 16 metres (52 feet) per minute
- Only one operator required
- Thermo Bond – molten polypropylene for strong adhesion
- Synchronised servo-drives to give reliable winding pitch control
- Continuous process, delivering consistent product
- Automatic loading
- Self-setting start-up with minimal operator intervention
- HMI touch screen control with product options and diagnostics
- Wide scope for product differentiation due to diversity of widely available polypropylene materials
- Interchangeable parts available for different tube diameters
- Extruder integrated into machine cycle, with centrally located control panel
- Remote monitoring, enabling real time production information to be relayed to office or smartphone



Specification

Output	Up to 16m/52 feet/ 10 tubes per minute	6 seconds per full length tube
Core Tubes	Material: Polypropylene Diameter : 35 – 58mm (1 ³ / ₈ "-2 ¹ / ₄ ") ID	Length: up to 1.8 metres Wall thickness: 1mm or thicker
Fabric	Knitted or woven	Standard strip width: 73mm Pile height: <32mm (1 ¹ / ₄ ")
Resin	Polypropylene	Thickness: 0.3-0.4mm
Finished roller	Overall OD <100mm	
Loader	Capacity <300 tubes	
Power supplies	25kW 50-60Hz 3-phase 400-480V	Air: 30 l/min (1 cfm) at 5.5 bar (80 psi)
Dimensions	850 kgs net	5.15 x 2.15 x 1.7m

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