EKTL Series Take Up Winder for PAN Precursor for Carbon Fiber

Features

- Developed for winding PAN precursor for carbon fiber production.
- EKTL series can control winding tension appropriately by dancer roller system. Furthermore, EKTL adopts yarn path with proper angle to minimize damage to yarn.
- Perfect package formation for large packages with even density & excellent unwinding characteristics is possible through delicate tension & pressure controlling.
- Touch screen furnished with 250kg & 350kg-class machines makes it possible to select any pattern of step winding.

Standard Specifications

Specifications	EKTL-17D	EKTL-20D	EKTL-20D-135	EKTL-20D-250	EKTL-26D250	EKTL-29D-250	EKTL-29D-350
Traverse Length (mm)	432	500			660	737	
Type of Package	Square-end (0°0')						
Standard Dimensions of winding bobbin (ID x OD x L) (mm)	133x154x496	133x154x550			133x154x710	133x154x820	
Max. Dia. of Package Size (mm)	550		640	770			900
Approx. Weight of Full Package (kg) (Density 0.8/cm³)	75	90	120	180	235	260	360
Adjustable Range of Initial Tension (cN)	200 ~ 2,000					200 ~ 2,000 (CPU Control)	
Adjustable Range of Initial Contact Pressure (N)	4 ~ 10			4 ~ 12		4 ~ 12 (CPU Control)	
Winding Ratio	3.4 ~ 8.5*	4 ~ 10*				4 ~ 10 (CPU Control)	
Max. Winding Speed (m/min) (Depend on winding ratio)	400			500			
Driving System	Individual drive on each spindle by 1.5kW motor with timing belt			2.2kW motor with belt			3.7kW motor with belt
Traverse System	Scroll cam traverse system (Stationary traverse cam with axis)						
Control System	PID control system with dancer roller						
Yarn Passage	Yarn passage through guide roller and dancer roller to take up yarn from upper level of machine						
Power Supply	3 phase, 200 V, 50-60 Hz						
Compressed Air (MPa)	Not less than 0.5						
Option: Timer device for full package / Cutter & Suction device for full package / Pusher device for full package / *Changing winding ratio depend on supplementary							

Please contact Izumi International, Inc. for special requirements

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