weavetech™

Get More
Get Better

ADW - series

Assembly Drum Winder for upto 20-ply Spun Yarns

ABW - series

Assembly Bobbin Winder for upto 20-ply Filament Yarns

ADW - Assembly Drum Winder

Weavetech's ADW Multi-Ply Assembly Winder is the ideal Winder for use in preparing upto 20-ply Assembly packages using Spun yarns or threads.

The Traversing is controlled by an Aluminum Electro-Plated Groove Drum specifically made for Spun Yarns. The centralized VF inverter provides the speed variations required for Anti-Patterning on the package. The final package is taken on a Parallel Tube for further processing. **ADW** is the perfect companion for producing feed packages for further Twisting in **Weavetech's** CT/CC -series TFO Twister.

ABW - Assembly Bobbin Winder

Weavetech's ABW Multi-Ply Assembly Winder is the ideal Winder for use in preparing upto 20-ply Assembly packages using Twisted Filament yarns or threads.

The Traversing is controlled by a centralised Gearbox which allows parallel winding on the Double-Flanged bobbins for assembling Twisted Filament plys to create a Feed package. This package, with suitable tensioning & flyer system allows **Weavetech's** CT/CC -series TFO Twister to overcome unwinding issues that are typical of Filament Twisted yarn packages at high speeds.

ADW winder is ideal for:

- Groove Drum Traverse for Parallel Tube Take-Up.
- Assembly Winding Spun Yarns upto 5 kg.
- Creating multi-ply Twisted Carpet Yarn Packages.
- upto 20-ply Spun yarn package can be made.
- Random Winding allows stable unwinding.

ABW winder is ideal for:

- Centralized Traverse for Flanged Bobbin Take-up.
- Assembly Winding Twisted Filament Yarns upto 5kg.
- Creating multi-ply Twisted Carpet Yarn Packages.
- upto 20-ply Filament yarn package can be made.
- Double-Flanged Bobbin allows stable unwinding.

- Assembly Wind upto 20-ply Twisted Yarns on Bobbin / Tube.
- Maximum package weight upto 5 kgs for stable operation.
- Individual Motor Driven Spindle with Individual Length Counter.
- Start-Stop Button for each spindle allows easy operation.

- Positive Yarn Feed by Nip-Roller Assembly for uniform tension on all plys.
- Individual Yarn sensor for each Ply sends STOP signal on yarn absence.
- Auto-Stop at set doff length or at feed yarn/ply absence or exhaust.
- Centralized Inverter for Winding Speed Control (optional).

Technical Specifications

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	ABW-20	ADW-20	
CONSTRUCTION			
Frame	Single-Deck, Both Sides	Single-Deck, Both Sides	
Spindle Drive	Individual Motor	Individual Motor	
Traverse Drive	Common Central Gearbox	Groove Drum	
Yarn Speed Control	Common VF Inverter	Sectional VF Inverter	
Doff Length Control	Individual Length Control	Individual Length Control	
No. of positions/Section	4 pos. per Section	4 pos. per Section	
Spindle / Section Guage	500 / 1260	500 / 1260	*[mm]*
Machine Width	1050	1050	*[mm]*
Creel Width	1000	1000	*[mm]*
Working Space	600 (btw Creel & Machine)	600 (btw Creel & Machine)	*[mm]*
Total Machine Width	4250	4250	*[mm]*
Machine Height	Machine: 1950; Creel: 2300	Machine: 1950; Creel: 2300	*[mm]*
TAKE-UP			
Yarn Feeding for Take-Up	Positive Yarn Feed by Nip Roller	Positive Yarn Feed by Nip Roller	
Take-Up Type	Double-Flanged Bobbin	Parallel Tube	
Take-Up Bobbin /Tube Length	274	170 / 290	*[mm]*
Take-Up Dia (max.)	220	300	*[mm]*
D/F Bobbin Diameter	ID:92; OD:100; F:220	Customer Specific	*[mm]*
Type of Winding	Parallel Winding	Random Winding	
Spindle Brake	Individual Start/Stop Button	Individual Start/Stop Button	
Length Counter	Inidividual with Display	Inidividual with Display	
Length Setting	Individual On-Screen Settable	Individual On-Screen Settable	
Max. Weight on Take-Up	5000	5000	*[gms]*
Max. Mechanical Speed	150	150	*[m/min]*
SUPPLY			
Frame Type	Separate Creel Stand	Separate Creel Stand	
No. of Feed Pckgs (max.)	20 Feeds per Spindle on Creel	20 Feeds per Spindle on Creel	
Max. Dia of Feed Pckg	220	220	*[mm]*
Yarn Sensing	Individual Sensor on Each Ply	Individual Sensor on Each Ply	
Yarn Tensioning	Spring Type Yarn Tensioner	Spring Type Yarn Tensioner	

* Note: Product Technical Specifications May Change Without Prior Notice. It is recommended to verify the important specs before placing order.

DIMENSIONS / POWER DATA

Number of Spindles	24	32	40	48	56	64	72	80	*[nr]*
Connected Power* (Spindle)	6	8	10	12	14	16	18	20	*[hp]*
Connected Power* (Take-Up)	1	1	1	1	1	1	1	1	*[hp]*
Connected Power* (Total)	7	9	11	13	15	17	19	21	*[hp]*
Machine Length	7.86	10.38	12.90	15.42	17.94	20.46	22.98	25.50	*[mtrs]*
	25.78'	34.05'	42.32'	50.59'	58.85'	67.12'	75.39'	83.66'	*[ft]*

* Note: Connected Power Suggested at Avg. Denier & 85% Process Speed. Connected Power may differ based on Maximum parameters.

Contact

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