

CS & CD series

Crepe Texturising TFO Twisters for Polyester Filament Yarns with Magnetic False-Twist Spindles & Electric Heaters

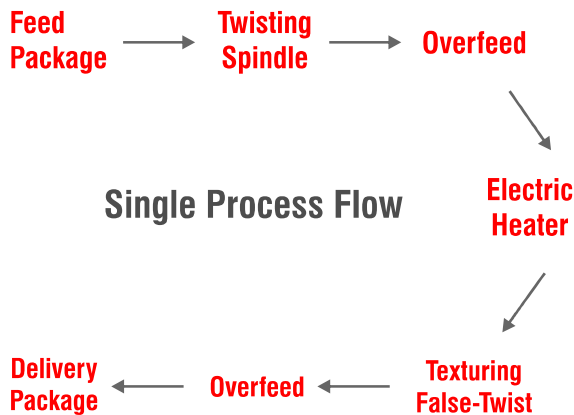
Weavetech's **CS & CD series** Crepe Twister is for the most economic production of Crepe Textured Polyester Filament yarn packages for use in clothing & garment fabrics to give an ultra soft feel.

The convenience of Twisting & texturing in single setup offers high yield & low lead time. The Electric heaters are more efficient on energy consumption saving extensively on operating costs. **Weavetech's CS & CD series** truly offer the lowest production cost for Crepe yarns.



CS & CD series Crepe Twister is ideal for:

- 30-150 denier Polyester Filament Yarns
- 600 to 2000 TPM for highest viability
- Knotless Feed & Take-up upto 1.0 Kgs
- Delivery Package on Paper Tube Take-Up



Highlights

- Extremely low power & Highly economical for manufacturing Polyester Crepe yarns.
- Double-Deck Frame option is the most efficient space saving structure with high output.
- Timing Belt drive from Spindle to De-Twist Spindle ensures Precise Ratio for operation.
- Electric Heaters with quick start-up times allows lower energy costs over liquid heaters.
- Micro-Processor based control of Electric Heaters ensures optimum Temperatures.
- Complete Ceramic Yarn Path for smooth handling of Filament Yarns.
- Overfeed ratio centrally adjustable offers precise control of required density.
- Dynamically Balacnced Precision Spindles & Nylon Sandwich belt controls variation within close ISI limits for consistent & reliable quality.
- Complete Oil Bath Gearbox for life-time trouble free operation with lowest maintenance.



False-Twist Spinner Body

Die-Cast Aluminum Body with precision machining gives extremely sturdy vibration free operation at high speeds for that optimum Crepe effect.



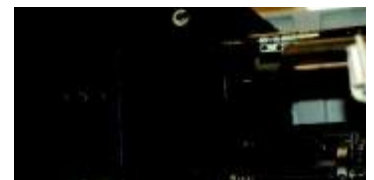
Cheese Take-Up on Paper Tube

Traverse Gearbox with Anti-Patterning allows delivery of ready-to-market package of upto 1.0 Kgs of knotless Crepe Textured Polyester filament yarn.



Plasma Coated Spindles

State of the Art in-house spindle manufacturing line allows us to offer wide range of spindles as per the customers requirements for processing range of feed packages.



Oil-Bath Gearbox

Continuos circulation of lubricant enables higher performance at high speeds & lowers maintenance. All Adjustable features are conveniently located outside for ease of use.

$$\text{Yarn Speed (mtrs/min)} = \frac{2 \times \text{Spindle RPM}}{\text{TPM}}$$

$$\text{Doff Time (minutes)} = \frac{9000 \times \text{Feed Wgt in gms}}{\text{Denier} \times \text{Yarn Speed in mtrs/min}}$$

$$\text{Max. Production (gms/day)} = \frac{0.32 \times \text{Spindle RPM} \times \text{Denier}}{\text{TPM}}$$

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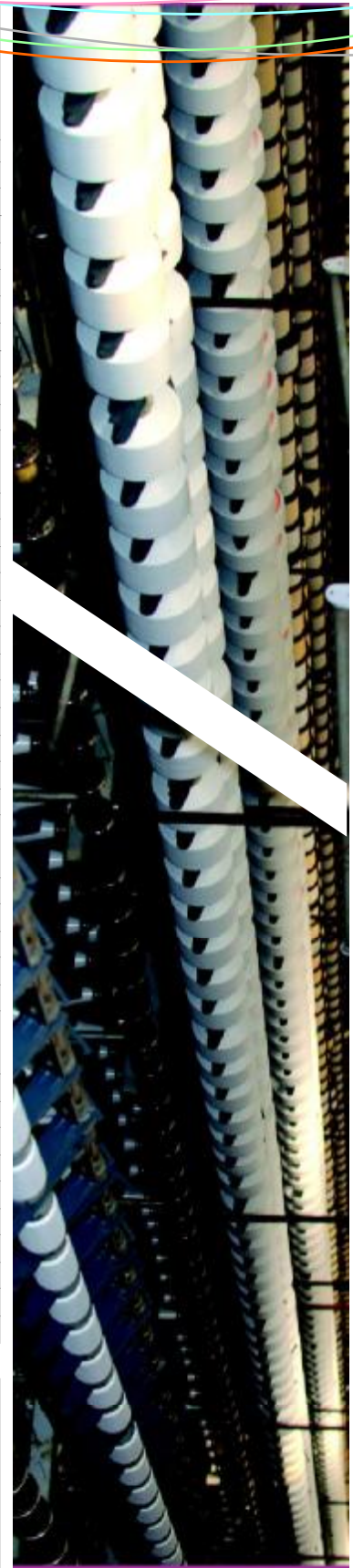
	CS-135	CS-170	CD-60	
SPINDLES				
Guage	165	205	165	[mm]
Spindle Type	60CP	80CP	60CP	
Yarn Range	30 - 90	30 - 150	30 - 90	[Denier]
Twist Range	600 - 2000	600 - 2000	600 - 2000	[TPM]
Spindle Speed (Process / Max)	14000 / 16000	13000 / 15000	14000 / 16000	[rpm]
Feed Package Type	Cops	Cops	Cops	
Feed Package Length (max.)	240	300	240	[mm]
Feed Package Diameter (max.)	70	90	70	[mm]
Feed Package Weight (max.)	750	1000	750	[gms]
Feed Tensioner Type	Ball-Ceramic	Ball-Ceramic	Ball-Ceramic	
Spindle Coating	Plasma Ceramic	Plasma Ceramic	Plasma Ceramic	
Spindle Break	Separate Hand-Break	Separate Hand-Break	Separate Hand-Break	
TAKE-UP				
Take-Up Tube Dimens. (Length)	135	170	135	[mm]
Traverse GB System	Cylindrical Cheese	Cylindrical Cheese	Cylindrical Cheese	
Anti-Patterning System	Yes	Yes	Yes	
Edge-Breaking System	No	No	No	
Cradle System	Steel Cradle	Steel Cradle	Steel Cradle	
Damping System	Yes	Yes	Yes	
Auto-Pressure Adjustment	Yes	Yes	Yes	
Lift-Lock System	Yes	Yes	Yes	
Yarn Oiling Device	(optional)	(optional)	(optional)	
Package Diameter Max.	200	200	180	[mm]
Max. Weight on Take-Up	1500	2000	1500	[gms]
Max. Mechanical Speed	50	60	50	[m/min]
HEATER & DE-TWIST				
Heater Type	Electric 400mm Tube	Electric 400mm Tube	Electric 250mm Tube	[nr]
Temperature Adjustable range	50 - 250° C	50 - 250° C	50 - 250° C	[nr]
Heater Connected /Avg. Power	220 Watts / 100 Watts	220 Watts / 100 Watts	220 Watts / 100 Watts	[nr]
False-Twist Spindle	Magnetic 150000 rpm	Magnetic 150000 rpm	Magnetic 150000 rpm	[nr]
Max. Machine Length	25.10	25.10	25.10	[mtrs]
FRAME				
Spindles / Section	20	16	38	[nr]
Number of Decks	1	1	2	[nr]
Max. No. of Sections	14	14	14	[nr]
Max. No. of Spindles	280	224	532	[nr]
Max. Machine Length	25.10	25.10	25.10	[mtrs]
Machine Width	750	750	980	[mm]
Machine Height	1850	1850	1980	[mm]
Height at Take-Up (Up/Low)				[mm]
VF Inverter Drive for Main Motor	(optional)	(optional)	(optional)	[Kg]

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

DIMENSIONS / POWER DATA (CS135 / CS170 / CD60)

	10	11	12	13	14	
Number of Sections						[nr]
Number of Spindles	200 / 160 / 380	220 / 176 / 418	240 / 192 / 456	260 / 208 / 494	280 / 224 / 532	[nr]
Connected Power* (motor)	12.5 / 12.5 / 15	12.5 / 12.5 / 15	12.5 / 12.5 / 20	15 / 15 / 20	15 / 15 / 20	[hp]
Machine Length	18.50	20.15	21.80	23.45	25.10	[mtrs]
	60' 9"	66' 2"	71' 7"	76' 11"	82' 4"	[ft]

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



Contact

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