

PRODUCT RANGE

**Rapier Looms | WaterJet Looms | AirJet Looms | TFO Twisters | Thread / Doubler TFO
Carpet Cablers | Industrial TFO | Dye Package Winders | Assembly Winders**

CONTACT

For Sales & Service:
ALIDHRA WEAVETECH GROUP
 eM: Sales@Weavetech.com
 Wb: www.Weavetech.com
 Ph: +91-261-3070707, 2278374

Manufactured By:
WEAVETECH ENGINEERS LTD.
Plot A5/4, Road # 10, Gate # 2,
Sachin Hojiwala Industrial Estate,
Surat, GJ - 394230

Ahmedabad:
1/2 Shree Krishna Center (Tower),
Nr. Mithakali Six Roads,
Navarangpura, Ahmedabad,
GJ - 380009
M: 098335 12703

Mumbai:
8 Vibgyor Towers,
G-Block C62,
Bandra Kurla Complex,
Mumbai, MH - 400098
L: 022 40907282

Coimbatore:
1045, 3rd Floor, Regus Center
Srivari Srimath, Avinashi Road,
Coimbatore, TN - 641018
M: 095975 84555

Surat:
Plot 195, Rd 3-F,
New Estate,
Udyognagar Udhna,
Surat, GJ - 394210
L: 0261 3070700

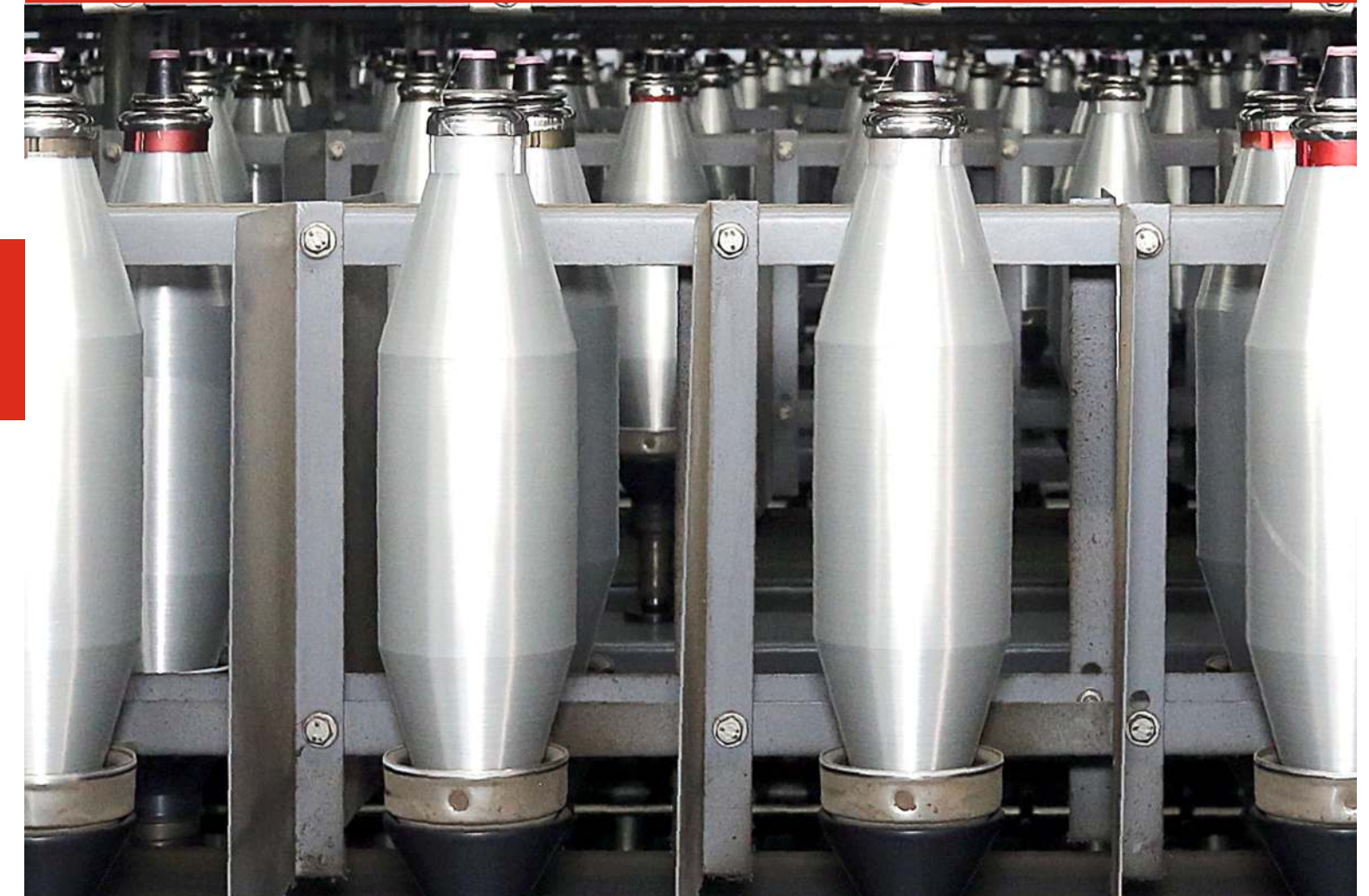
R&D Center:
Plot 606, Main Rd # 6,
Sachin GIDC Gate # 1,
Surat, GJ - 394230
E: info@weavetech.com

For Sales Inquiries:
Sales@Weavetech.com
www.weavetech.com
M: 098798 48091

$$\begin{aligned} \text{Yarn speed (mtrs/min)} &= \frac{2 \times \text{Spindle RPM}}{\text{TPM}} & \text{Doff time (minutes)} &= \frac{9000 \times \text{Feed Wgt in gms}}{\text{Denier} \times \text{Yarn Speed in mtrs/min}} & \text{Max. Production (gsm/day/spinder)} &= \frac{0.32 \times \text{Spindle RPM} \times \text{Denier}}{\text{TPM}} \end{aligned}$$

L-series

TFO Twisters for Filament Yarns (BiConical Package)



L-series

High Speed TFOs for BiConical Packages



Weavetech's **L-series** Filament TFO Twister is for the most economic production for Low Twist Filament yarn for use in warp yarns for weaving clothing, garment, Industrial & Technical Fabrics offering high-speeds operations.

Soft Packages on Dye-Springs for further dyeing can also be obtained with the standard Edge-Breaking Traverse System. For Low-twist yarns, Bi-Conical packages with individual tapering offers ready-to-market delivery packages directly on **Weavetech's L-Series** TFO Twister.

- L-series TFO is ideal for twisting**
- 30-1000 denier Filament Yarns Only
 - Longer Knotless packages of 1 kg & higher
 - Soft-Packages for Direct Dyeing
 - At High Yarn speeds of upto 100 m/min



Highlights

- Direct feeding of Textured / Drawn yarn packages for optimum efficiency & productivity.
- Individual Tapering for critical ribbon yarns offers uniform density packages for market.
- Sturdy Cradle with Dampening & Auto-Pressure adjustment system for precise package built
- Individual Oil-Roller System controlled centrally for precise oil application on yarn.
- Complete Ceramic Yarn Path for smooth handling of Filament Yarns.
- Overfeed ratio centrally adjustable offers precise control of required density.
- Individual Droppers at every position activates during yarn breaks & feed exhaust.
- De-stressed Metallurgy of Traverse CAM reduces wear-n-tear maintenance.
- Complete Oil Bath Gearbox for lifetime trouble free operation with the lowest maintenance.
- Star-Delta Motor starter with overload protection standard. VF Inverter Drive (Optional).



Individual Tapering

System ensures uniform density throughout the package & consistent result on every spindle, while offering random doffing possibility to the users for higher efficiency.



Soft-Package for Dyeing (Optional)

Edge-Breaking systems along with Anti-Patterning system and Individual tapering allows the user to obtain soft-packages with uniform density on dye-springs to be processed directly from TFO.



Plasma Coated Spindles

State of the Art in-house spindle manufacturing line allows us to offer wide range of spindles as per the customers' requirement from processing a range of feed packages for optimal energy savings.



High-Speed Gearbox (Oil Bath)

Continuous Oil-circulation with Sturdy Gearbox design allows CAM to operate at high traverse CPM for high yarn speeds. All Adjustable features are conveniently located for ease of use.

TECHNICAL SPECS

L -Series	
TAKE-UP	
Take-Up Tube Lengths	170mm/200mm/230mm
Knotless Weight Capacity	upto 1800 sms / 2400 gms/ 3000 gms
Overfeed	Teeth-Type with DeTensioner (optional)
Cradle System	High Pressurised Cradle System with Diameter Feedback for Tapering
Package Density	Can be provided for Hard or Soft package (For Dyeing)
FEED	
Spindle Type	80mm / 90mm / 110mm / 125mm / 145 mm
Feed Type	Parallel Cops / Flanged Cops / DTY Cheese
Tension Type	Ball-Ceramic Type
TRAVERSE	
Package Formation	Individual BiConical
Winding Features	Anti-Patterning & Edge Breaking
Lubrication	Closed Oil-Circulation with Motorized Pump
OPERATING RANGE	
Yarn Range (Max)	300 / 450 / 600 denier
Twist Range (recommended)	150 - 1400 TPM
Spindle Speed (Max)	12000 / 10000 / 8000 RPM
Yarn Speed (Process / Max)	90 / 120 mtrs/min & 40 / 45 CPM
FRAME STRUCTURE	
Structure	Double-Deck, Both Sides
FRAME STRUCTURE	Laser Cut, Steel Frame Structure
Drive End	Programmable RPM with VFD Inverter

*Note: Product Technical Specifications May Change without prior Notice
*Note: It is recommended to verify the important specs before placing an order

