

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 WEAVENTECH 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

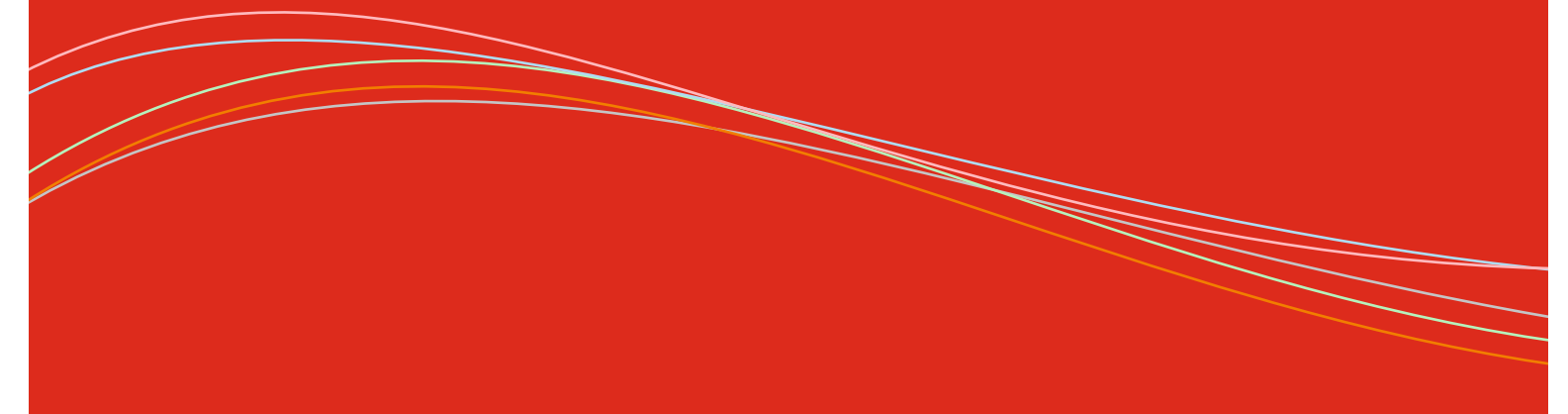
R&D Center:
Plot 606, Main Rd # 6,
Sachin GIDC Gate # 1,
Surat, GJ - 394230
E: info@weavetech.com

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

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

CW-series

Winder for Filament Yarns (Cops/Pirns/Bobbins)



CW-series

High Speed Winders for Cops / Pirns / Bobbins



- CW-series is ideal for
- Preparing fine to medium deniers Pirns/Cops for further twisting / covering.
 - Assembly of 2 filament yarns of similar type to produce various BSY yarns.
 - Making smaller packages for easier unwinding/rewinding to eliminate tensions variations.



PLC with Programmable Parameters

The PLC control with **CLOSED-LOOP** system provides accurate working of programmed parameters to ensure minimal tension variation in packages. Following parameters can be programmed.

- + Yarn: Denier, Weight, Speed
- + Traverse: Length, Bi-Conical Angle, Coil Angle, Strokes

Belt Pressure Pulley

A dedicated belt pressure pulley between every two spindles ensures zero-slippage free operations. – (keep it either slippage-free or only zero-slippage operations.)

Individual Spindle Brake

Individual brakes at each spindle ensure fastest doffing time with maximum operator productivity while ensuring lowest maintenance costs.

Length Counter (optional)

Individual Length counters with cutters for each position can be installed to ensure even length packages on all positions. This reduces wastage & ensure higher productivity due to lot-doffing in downstream processes.

Precision Dial Tensioner

High Precision Dial Tensioner with super-finishing ceramics ensure that even tension is applied to ensure optimum package quality.

Weavetech's **CW-series** Filament Winders come standard with with standard SERVO Traverse System with high-precision LFR Ball-Screws which provides unmatched accuracies in winding that were not possible with mechanical traverse systems. The **CW-series** Servo Winder provides full flexibility to programme the shape & winding, so as to extract maximum package weight & productivity from your investment.

TYPE OF PACKAGE FORMING FOR PROGRAMMABLE WINDING					
Warp Wind	Filling Winding	Wandering Winding	Compound Winding	Bottle Winding	Bobbin Winding

TECHNICAL SPECS

CW - Series	
TAKE-UP	
Take-Up Types	Cops / Pirns / Bobbins
Length / Weight Capacity	210 mm to 420 mm, upto 2.5 Kgs
Spindle Gauges	165mm / 205mm
Winding Type	Warp, Compound, Bottle, Bobbin, Filling Winding
Tensioner Type	High-Precision, V-Type Knob Control
SUPPLY	
Package Type	Cheese / DT Cops / Cakes / Hanks
Package Dia	Ø300mm / Ø330mm / Ø450mm
Yarn Sensing	(optional) 2-ply can be provided with Yarn Sensor / Cutter
Intermingling	(Optional) IM Jet system can be provided
DRIVE SYSTEM	
Spindle Drive	Single Motor with 'Straight' Tangential Belt
Belt Pressure	Individual Pulley for each spindle
Spindle Brake	Individual Lock-Brake for each spindle.
Traverse System	Ball-Screw with Servo Motor & Counter Weight System
WINDING SYSTEM	
Control System	Closed-Loop, PLC based with Servo & VFD
Programmable Features	Denier, Type, Weight, Strokes, Taper, Winding, Speed with Recipe Saving Function
Power Backup	On-Line UPS for PLC & Servo Motor for 'Ringless' Stop
OPERATING RANGE	
Yarn Range (Max)	30-1200 denier
Yarn Speed (Max)	upto 700 mtrs/min
FRAME STRUCTURE	
Structure	Single-Deck, Both Sides
FRAME	Laser Cut, Steel Frame Structure
Creel	(Std) Flat Bottom Creel; (Optional) Vertical Creel

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

