



wires & fabriks

An ISO 9001:2008 Company



UNO-TIER®

UNIRUN POSITIONS &
HIGH SPEED MACHINES
DRYER SCREENS

unotier@wirefabrik.com

UNO-TIER® Dryer Screen

- ✓ Energy Costs (- -)
- ✓ Machine Speed (++)
- ✓ Life Potential (++)
- ✓ Sheet Quality (++)

UNO-TIER® Dryer Screen:

Dryer section accounts for over 60% of total energy costs on a paper machine.

The unique weave pattern of **two-tier** flat warp, provides following advantages:



Saves Energy Cost :

- Reduce Steam Consumption
- Faster Thermal Heat Transfer
- Low air carrying value hence less air entrainment in pockets.



Increases Machine Speed :

- No Sheet Flutter
- Higher capacity for Heat Transfer
- Low screen caliper yet higher dimensional stability
- Highest contact area possible



Increases Life Potential :

- Increased life due to unique stacked warp, double layer construction
- Higher dimensional stability of screen
- Clean running



Improves Sheet Handling/Stability:

- Controlled & Uniform air-flow
- Very high surface contact points
- Strong & Non-marking seam

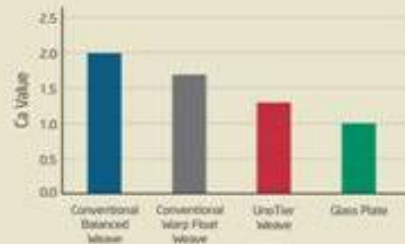
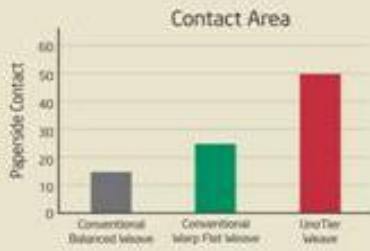
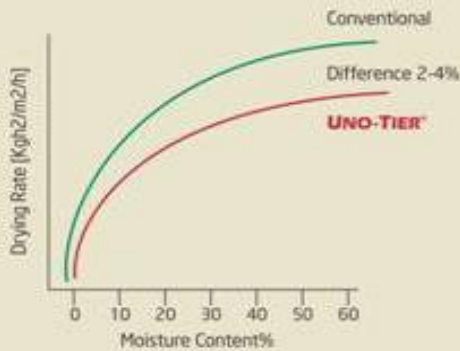
UNO-TIER®

DRYER SCREENS FOR UNIRUN POSITIONS & HIGH SPEED MACHINES

Machine side



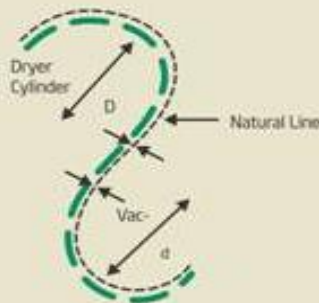
SPEED : Increased machine speed and runnability



CLEAN & ECONOMIC RUN: Increased Life time & less prone to contaminant build up.



EXCELLENT HEAT TRANSFER: Thinnest yet Strongest



4th Generation Dryer Screens

UNO-TIER® Dryer Screen was developed to optimise single tier, unirun and conventional top/bottom dryer section operation where sheet transfer, stability and quality requirements are paramount.

The design concept of Uno-Tier is based on providing the highest contact area possible to increase heat transfer and sheet handling (through it's very even surface and long contact points) at the most critical stage when an even pressure distribution is required by the sheet on it's surface as well as the cylinder surface.

It has the potential to increase drying efficiency, lower energy costs and increase machine productivity by maximising sheet contact and heat transfer during production, while running clean.

Two Seam Types Available:



Pin seam - no marking.



Spiral seam - Exceptional seam strength.



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WORKS & HEAD OFFICE:

63, Industrial Area, Jhotwara, Jaipur 302 012
Tel : +91 (141) 234 1722
Fax : +91 (141) 234 0689, 234 0078
Email : enquiry@wirefabrik.com

REGISTERED OFFICE:

7 Chittaranjan Avenue, Kolkata 700 072
Tel : +91 (33) 2237 0116/17, 4012 4012
Fax : +91 (33) 2225 7136, 2237 2721
Email : enquiry@cal.wirefabrik.com

www.wirefabrik.com



BRANCH OFFICES:

North

802 Madhuban, 55 Nehru Place
New Delhi 110 019
Tel : +91 (11) 2621 4893/94
+91 (11) 2621 7753
Fax : +91 (11) 2621 3975
Email : north@wirefabrik.com

East

7 Chittaranjan Avenue
Kolkata 700 072
Tel : +91 (33) 2237 0116/17
+91 (33) 2221 7205/8952
Fax : +91 (33) 2225 7136
Email : east@wirefabrik.com

West

"ARIHANT" S. No. 39/32, Premises No 1,
1st Floor, Karve Road, Pune 411 004
Tel : +91 (20) 2543 6007
+91 (20) 2543 9777
Fax : +91 (20) 2545 5660
Email : west@wirefabrik.com

South

Gowtham Centre, 2nd Floor
1055/19, Avinashi Road
Coimbatore 641 018
Tel : +91 (422) 224 0156
Email : south@wirefabrik.com