

Success Story in India:

**PLEVA Sensors and Dens'nDry
speed up textile production**

The Problem



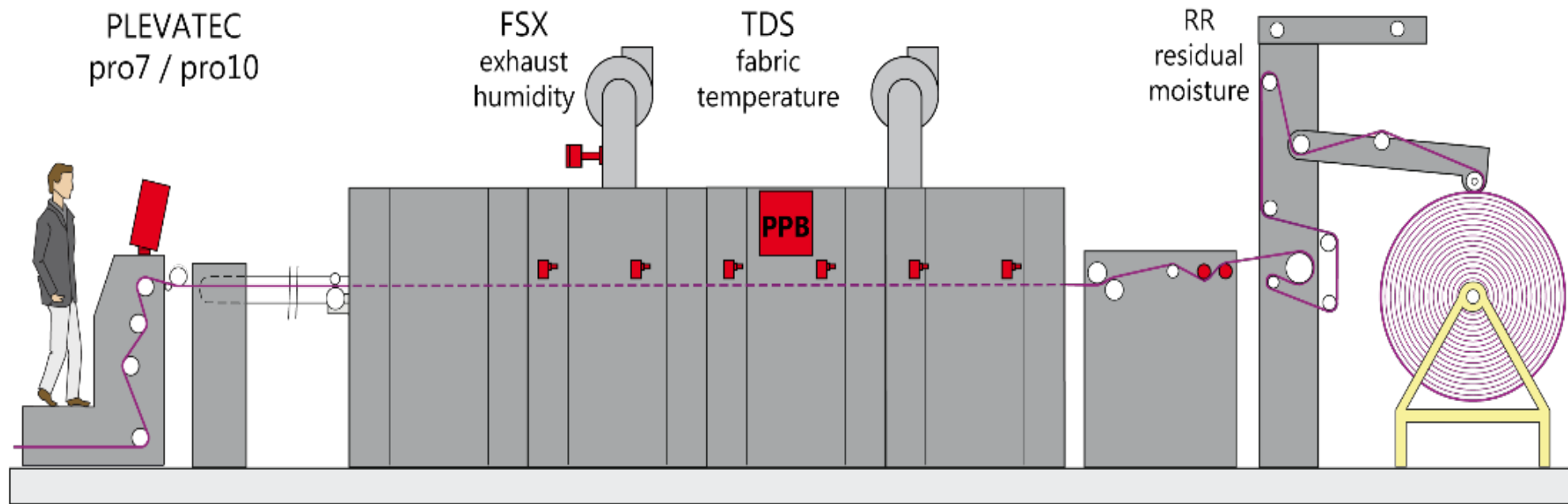
Low stenter productivity

on **different kinds of fabric** (shirting and suiting fabric)

different fibers (poly wool, poly viscose, cotton, cotton/elastane, blends, viscose, modal, linen)

with **different fabric weights** and during **different processes** (heatsetting, finishing, drying)

The Solution



Installation of PLEVA system on stenter:

TDS sensors to measure fabric temperature of different textiles
Dens'nDry for process control and visualization

The Success

Customer 1:

Drying

Fabric	Weight (gm per linear meter)	speed before	speed after (m/min)	
1. Poly Wool	200-250	45-50	60-70	+ 36%
2. Poly Wool	250-300	40-45	55-60	+ 35%
3. Poly Wool	300-350	30-35	40-45	+ 31%
4. Poly Wool	350-400	25-30	35-38	+ 33%

Heatsetting

Fabric	Weight	speed before	speed after (m/min)	
1. Poly Viscose	280-310	50	62-65	+ 27%
2. Poly Viscose	310-340	50	58-60	+ 18%

Customer 2:

Production: Woven fabric 100% Cotton, Cotton/Elastane, Blends, Viscose, Modal, Linen

Heatsetting:

Fabric	speed before	speed after (m/min)	
1. Suiting fabric	21	26 m/min	+24%
2. Shirting fabric	28	32 m/min.	+14%

Finishing

Fabric	speed before	speed after	
1. Suiting fabric	45	55 m/min	+22 %
2. Shirting fabric	55	65 m/min	+18 %

The Success

Heatsetting: up to **27 %** increased speed
Drying: up to **36 %** increased speed
Finishing: up to **22 %** increased speed

→ High efficiency, productivity and quality improvements

Comment of customer: *“Especially during fabric heatsetting, by means of set process control, PLEVA gives increased productivity and consistent quality on performance.”*

Repeated orders from customers represent the strong impact of process control.