

Case Study



VSM Weaves
achieves
excellence in sizing
with
**KARL MAYER's
PROSIZE**

CLIENT

VSM Weaves

Erode, Tamil Nadu, India

Located in Erode (Tamil Nadu, India), VSM Weaves is a well-known manufacturer of yarns, woven fabrics and bed linen. Step-by-step, the company has built a strong presence in India and also international markets.

Challenges

VSM's production processes were bottlenecked and this caused difficulties in dealing with large volume orders. To deal with this problem, the management was looking for solutions that could increase the production of warp beams and reduce downtime, and at the same time also reduce the quantity of size required and maintenance costs.



Solution


As per A.T.E.'s recommendation, VSM installed KARL MAYER PROSIZE – an innovative sizing machine. The PROSIZE offers several advantages:

- Reduced application of size on yarn leading to lower sizing recipe consumption
- High yarn coverage zone in the size box - hence, a single size box is adequate, instead of 2 size boxes
- High production rate (increased production speeds of 150-160 metres/min)
- Uniformly controlled stretch and tension while sizing
- Cleaner size recipe application on yarn
- Increased weaving efficiency

Results

- Viscose spun warp could now be processed on PROSIZE at speeds of 140-150 metres/min compared to 100 metres/min on conventional sizing machines
- Size add-on has been reduced by 5 to 10%
- SOFTDRY system guarantees a smooth increase of tension and preserves the elasticity of the yarn
- Minimal sizing stop marks and occurrences of lappers for the increased weaving efficiency
- Improved warp quality, thanks to filtering process in PROSIZE

VSM is extremely pleased with the performance, flexibility, and efficiency of the PROSIZE warp preparation line.



“The KARL MAYER PROSIZE sizing technology gave us higher productivity, reduced the wastage of yarns and chemicals and improved the weaving efficiency compared to the conventional sizing machine. We feel that with this machine, we now have a competitive advantage in the industry. The company has grown by 25% in the past two years, and I expect it to continue growing in 2021. We also expect that A.T.E. and KARL MAYER will be our partners during our next phase of expansion.”

– Mr M Ravi, Director, VSM Weaves

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