

IDF VORTEX SPINNING

at Sri Cheran India



The first successful development trials for the new shortened “IDF+1 VORTEX” were carried out at the customer Sri Cheran Synthetics Private Ltd. in Tamil Nadu, South India.





Sri Cheran belongs to the Pallavaa Group and already invested in 2017 in a first smaller project with eight Truetzscher cards and IDF2 for the Pallavaa Unit 2 site.

After delivery and commissioning of the line, the customer gathered experience and his verdict is: Excellent. Based on the results to date and the entirely positive feedback from the market, the customer invested in seven more Truetzscher cards with IDF2 at the end of 2018 plus a small expansion reserve before mid-2019.

The customer appreciates the good performance of the machines as well as the savings in various areas. One of the main arguments in the customer's calculation is the saving of machine operators by eliminating two draw frame passages. Another important point is the reduction of running costs for the shortened process.

The special feature of the shortened air-jet preparation process is the use of the Integrated Draw Frame IDF 2. Due to the direct drafting of an individual card sliver, in which the trailing hooks are "drawn out" by the draft in the IDF, short faults can be compensated particularly well. Thus, the A1 defect in the yarn could be significantly improved throughout all tests. This error class is of particular interest because these defects cannot be cut by yarn clearers and therefore always remain in the yarn.

Dominik Küsters, Jose Flores Molina



Mr. L Muthu, General Manager of Unit 1-3

**We talked to the General Manager of
Unit 1 through 3, Mr. L Muthu**

The Pallavaa Group was founded in 1976. Towards which market segments has the company since developed and established itself?

Mr. L Muthu We have developed into one of the leading companies in the field of viscose processing spinning. Initially, the introduction of VORTEX in our company was met with scepticism by our customers. Over time we have been able to establish a good reputation with good quality and the natural advantages of VORTEX yarns. We also manufacture our own knitted and woven fabrics.

The markets are in a state of continuous change. Where do you see the next challenges for your company? How does the Pallavaa Group manage to adapt to changing market conditions?

Mr. L Muthu A constant reduction of production costs makes it possible to stay competitive. Nevertheless, the quality of the product must not suffer. We try to find a good balance between reduction of workers and performance of the plant. Our increasing focus is on electronic and program-based monitoring of the complete installation.

How important is the Vortex solution of the Truetzscher / Murata cooperation in your company? Is it possible to quantify the resulting benefits?

Mr. L Muthu In this day and age it is very difficult to keep up with cheap products from China, especially when it comes to price. Reducing two draw frame passages allows savings in the form of employee costs as well as through the one-time investment. An exact value of what we save in manufacturing costs cannot yet be determined.