

Case Study

25%+ improvement in yarn quality with TeraSpin Smart cradles!

Background

This case study relates to a well-known textile mill in north India with an installed capacity of approximately 100,000 spindles. The mill's product portfolio is mainly made up of medium and fine yarn counts of a very high quality to keep up with their brand image.

The mill was quite impressed with the design concept, features, and benefits of TeraSpin Smart cradles. However, not willing to take any chance with quality, they initially placed a small order for TeraSpin Smart cradles for conducting trials on one ring frame to assess the performance of the Smart cradles. Fully satisfied with the outstanding results after the trial run, the mill replaced their existing cradles with TeraSpin Smart cradle OH S 168 on approximately 26,000 spindles.



Result

With TeraSpin Smart cradle OH S 168, the mill achieved significant improvement in the quality of the yarn count Ne 30s CH.

- 5% improvement in U%
- 28% reduction in total imperfections (IPI)
- 37% reduction in micro imperfections
- 23% reduction in total winding cuts/100 km of yarn
- 37% reduction in total faults/100 km of yarn

As with the trial run, the customer is very happy with the performance of TeraSpin Smart cradle OH S 168!

TeraSpin offers Smart cradles for roving frames and ring frames	
<p>Smart cradles for roving frame drafting:</p> <p>OHP 110 – Short cradle</p> <p>OHP 310 – Medium cradle</p>	<p>Smart cradles for ring frame drafting:</p> <p>OH S 168 – Short cradle, suitable for 70 mm spindle gauge</p> <p>OH S 175 – Short cradle, suitable for 70 mm spindle gauge</p>

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