

Case Study



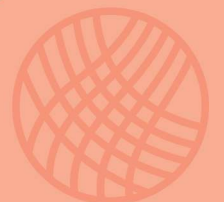
Suryaamba Spinning
saves **4.29%** power
with
TeraSpin Premium
ES spindles!

CLIENT

Suryaamba Spinning Mills Ltd.

India

Suryaamba Spinning Mills Ltd., with an installed capacity of 44000 spindles, are specialists in producing varieties of synthetic yarns in the coarse and medium count ranges. They are well known in India and also export their yarns to various other countries.



Challenges

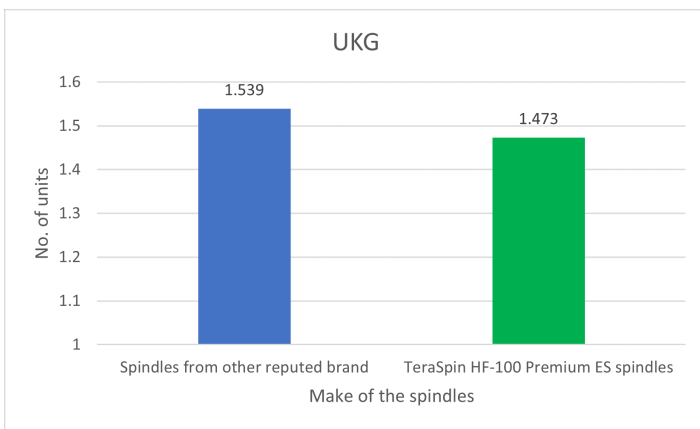
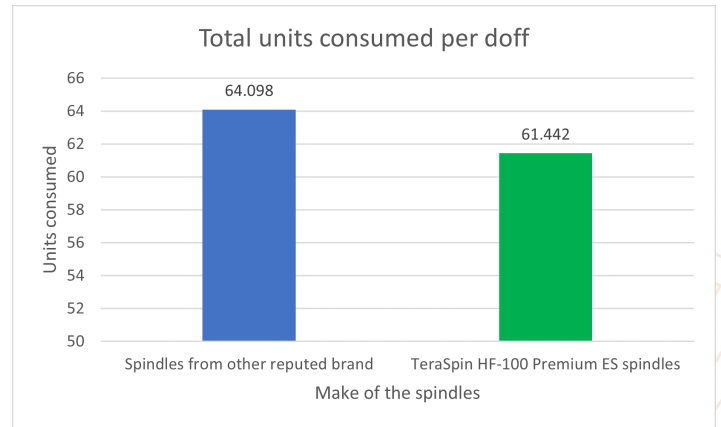
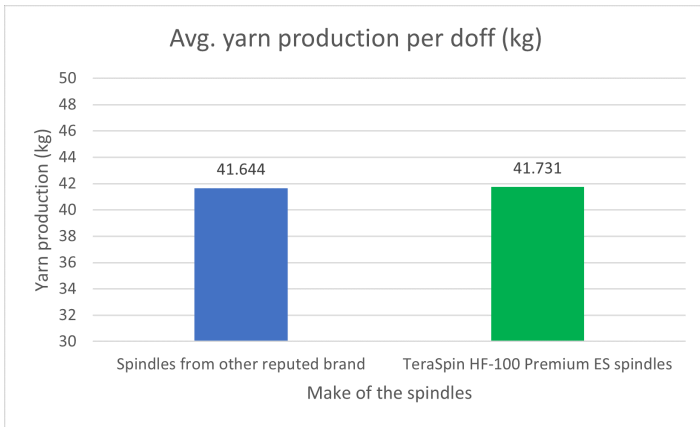
In spinning, power contributes to 14%-18% of the total yarn cost. In today's competitive market, every spinning mill wants to reduce their cost in order to be more competitive. So, the mills decided to try out the TeraSpin Premium ES spindles for one complete ring frame in order to evaluate and compare the performance against a set of newly purchased spindles of another reputed brand.

Parameters employed

Make & model of the ring frame	LMW LR 6/S
Number of spindles per ring frame	720
Bobbin length	200 mm
Ring dia.	38 mm
Yarn count	Ne 38 (100% dyed polyester)
Max. spindle speed	19500 rpm
Avg. spindle speed	17779 rpm

Result

	Other spindles	TeraSpin HF-100 Premium ES spindles
Wharve dia.	18.5 mm	18 mm
Avg. yarn production per doff	41.644 kg	41.731 kg
Total units consumed per doff	64.098	61.442
UKG (Unit of power consumed per kg of yarn)	1.539	1.473



As is clear from the above charts, the UKG is reduced by 0.066 units with the TeraSpin Premium ES spindles, which work out to a power saving of 4.29% as compared to the other reputed brand of spindles.

Naturally, Suryaamba Spinning is extremely pleased with the power saving achieved with the TeraSpin Premium ES spindles and has continued to buy more Premium ES spindles.