

TeraSpin – the smart choice for high spinning precision components

What sets a spinner apart from the rest? The answer obviously is the absolutely consistent production of yarns of best quality, year after year. That's exactly where TeraSpin comes in – in helping spinning mills to produce yarns of finest quality consistently with its high precision spinning components.



TeraSpin came into being in 2011 with A.T.E.'s acquisition of the textile component business of SKF India. SKF had been the last word in precision components for spinning machines for several decades. With TeraSpin this legacy is seamlessly taken forward.

What led to TeraSpin's rise to emerge as a brand to reckon with for precision spinning machinery components within such a short span of time? The answer is TeraSpin's unwavering focus on quality – with a target of 'zero' defects – and product development through continuous R&D, without resting on the legacy of SKF alone, as well as a no-compromise approach to customer satisfaction. This has earned TeraSpin the trust of its rapidly increasing customer base, earning it a reputation as a reliable brand – at par with some of those that are best-in-class.

TeraSpin's product portfolio

TeraSpin's product range includes weighting arms, top rollers and cradles for ring spinning and roving frames and spindles and spindle inserts for ring frames:

Spindles : designed for high production speeds of more than 20,000 rpm

Spindle inserts : HF 1, HF 100 and HF 21

Ringframe drafting : PK 2025, PK 2035, PK 1601 and components

Roving frame drafting : PK 1500 and components

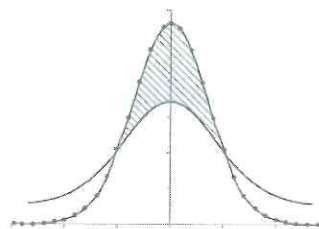
These products are much in demand by OEMs as well as spinning mills for replacement and upgradation in all major textile producing countries like Bangladesh, China, Germany, India, Indonesia, Japan, Mexico, Turkey, and Vietnam etc.

Quality – a credo

At TeraSpin, the manufacturing programme and practices are designed to produce high quality products, with quality now an integral part of its shop floor culture. A high degree of automation and a well-trained work-force allows consistent quality on mass scale.

While most manufacturers would be satisfied to produce quality that lies between predefined specification limits, TeraSpin strives

for more. It continually seeks to produce as close as possible to exact values as shown in the peaked bell curve of the normal distribution. This is reflected in its goals for 'zero defects' and 'zero customer complaints'. In a nutshell, TeraSpin is driving towards the achievement of Six Sigma quality level for its TeraSpin product range, as opposed to most other manufacturers that are satisfied with just 3-Sigma quality levels.

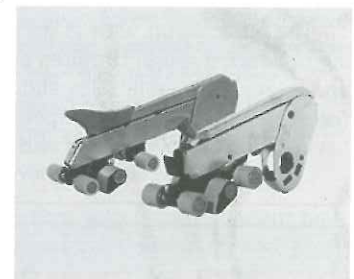


— Normal distribution curve for products manufactured within the tolerance limit
— A peaked bell curve for TeraSpin products show a much higher proportion manufactured close to the exact dimensions

Obviously, the product performance is best at the nominal/perfect specification and likely to deteriorate as we move away from the nominal specification. As per the Taguchi loss function, the loss to the customer and/or society increases exponentially with deviation from the nominal specification. Thus the TeraSpin components are designed to last longer and deliver better yarns over their entire lifetime.

Product development

Innovation and product development through continuous R&D are other overriding areas of focus at TeraSpin. One such development is a new cradle for ring spinning machines – the 'Smart' cradle. It is different from what is available in the market in a number of ways. This cradle can accommodate the change in the length of an apron, thus ensuring uniform tension in the apron. Moreover, for smooth movement of the apron, the contact area between cradle and apron has been minimised.



Also the design is such that it facilitates easy removal of apron from the cradle. TeraSpin has also released a completely new speed frame top arm, which has a new cradle for better roving quality, a special finish for longer life, and an ergonomic handle. There are many more such innovations in the pipeline.

Manufacturing facility

TeraSpin's modern manufacturing plant, built on a sprawling 21,000 square metre plot at Sari, near Ahmedabad in Western India, embodies some unique features to make the ambience conducive for the manufacture of high precision components. Further, being a part of the environment conscious group, A.T.E., the TeraSpin facility encapsulates a number of sustainable technologies and

features and will receive LEED certification soon, being green building compliant. TeraSpin is already certified under ISO 14001:2004 Environment Management System, besides ISO 9001:2008 certification for its quality management practices, and OHSAS 18001:2007 Occupational Health And Safety System.

"Our biggest achievement is the excellent improvement in our product quality. As a result, our manufacturing process rejections have considerably reduced and customer complaints for in-house manufactured products have almost disappeared. This has been



possible because of our dedicated focus on quality and our efforts to deploy new initiatives like Lean Six Sigma" said Mr K P Singh, Director, A.T.E. Enterprises, who is operationally responsible for TeraSpin business unit.

With TeraSpin's unflinching commitment to continuously enhance technology, process, product quality, and services, TeraSpin is poised for rapid scale-up. In TeraSpin one will find a dedicated partner, willing to go that extra mile to keep the customers delighted!



A.T.E. Enterprises Private Limited of India and Savio Macchine Tessili group from Italy have entered into a strategic partnership at parity position for sales & marketing of Automatic Winders, Two-For-One Twist-ers (TFO), Continuous Yarn Shrinking Machines, OE Rotor Spinning Machines in India from 1st April 2016.

The Savio group for more than 100 years after its modest beginning in 1911 has played major role in development of textile industry worldwide and with its manufacturing facilities in Italy, India and China that offers state of the art machines.

Savio India Ltd., the advanced TFO manufacturing set up of Savio group in India, will continue to provide and ensure state of the art Customer Support and Spare Parts Services.

The A.T.E. group, with its strong marketing network through 11 offices across India and a knowledgeable sales and marketing force, complements the competence of the Savio group as Savio's sales and marketing

partner in India. A.T.E. is in the unique position of being the only company with a presence across the entire textile value chain for textile machinery & accessories, utilities and complete after sales service solutions (for key segments). A.T.E. thus is the only company with the capability of offering to Indian customers a 'one window solution' from spinning to garment making.

The Savio group has taken a quantum leap and cemented its technological trend setter position with its new automatic winder series EcoPulsarS, launched during the recently held ITMA at Milan. Through the new winder EcoPulsarS, Savio has introduced an entirely new concept, which has a capability of giving users up to 30% energy savings and up to 10%, enhanced productivity. Savio's well proven and the best selling automatic winder model Polar is still the #1 winder in many world markets.

Savio is also a front runner with a wide range of Two-For-One twist-ers diversified for different market requirements. The Savio twisting technology combined with an

ingenious machine design offers low investment costs together with minimum power consumption, low maintenance times and the lowest life-cycle costs. With two models : the new generation machine Sirius with an Electronic Drive System (EDS) and the traditional twisting machine Cosmos, Savio has been able to address the different needs of different segments of the markets, offering long term benefits to its customers through cost effectiveness, energy saving and low investment cost.

The partnering of Savio with A.T.E., is set to immensely benefit the Indian textile industry, as the expertise from these two leading groups, offer complete winding and twisting solutions to the Indian customers which will give them a sustainable competitive advantage in their business

Savio and A.T.E. will soon be organising customer days across India for presenting the most advanced winding and twisting technology solutions to the Indian customers.

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