

All about TeraSpin

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Message from the Director



K P Singh, Director-Operations, TeraSpin

Dear Readers

TeraSpin is a leading provider of components for the textile spinning industry. Our state-of-the-art manufacturing facility is located near Ahmedabad in Western India. My team of engineers, technologists, and I are committed to deliver precision components of the highest quality for ring frames and speed frames. To this end, our manufacturing operations not only conform to ISO 9001 quality management system, but also use the best practices and tools like SPC, MSA, Kaizen, TPM, FMEA, DOE, DFSS and DMAIC etc. while moving steadily towards the Six Sigma quality levels. "Zero defect" and "zero customer complaints" are our watch words.

TeraSpin is a business unit of A.T.E. and as a part of our group's "green" focus, our manufacturing practices are also as per the ISO 14001 environment management system and we strive to achieve "zero pollution", "zero waste", "zero injuries", and energy and water conservation.

Our facilities are designed with a number of health and environment friendly features – using natural lights to the extent possible to minimise dependence on electrical lighting, minimising building heat load on air conditioning and so on – making ourselves qualified to get us a LEED (Leadership in Energy and Environmental Design) certification.

Not only do we pride ourselves on the quality and consistency of our products, but our R & D team is continuously looking to improve our existing products and develop new ones that are much needed by the industry. With our unflinching commitment to continuously enhance technology, process, product quality, and services, and with your help, TeraSpin is poised for a rapid scale-up.

We invite you to visit our facility and join us in our endeavour to take TeraSpin components to every spinning mill in the textile world. In TeraSpin you will find a dedicated partner, willing to go that extra mile to keep our customers delighted! We are looking forward to working with you.

With best regards

K P Singh

TeraSpin – a business unit of A.T.E.

TeraSpin was established in May 2012 to continue the production of precision components for textile machines based on SKF technology after SKF divested its textile machinery division. A.T.E., which is a leader in textile engineering in India with a legacy of over 75 years, acquired the complete know-how, manufacturing process, and equipment from SKF. TeraSpin components are thus built on the deep foundation of SKF knowledge and expertise, ensuring high product performance and reliability.



TeraSpin factory at Ahmedabad

TeraSpin products

- High speed spindles and inserts
- Weighting arms for ring frames and speed frames
- Top rollers for ring frames and speed frames
- Cradles
- Drafting conversion kits
- Special grease for top rollers
- Plastic components for the drafting zone

New developments

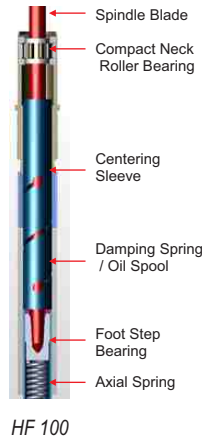
In order to maintain an edge over other component manufacturers and to meet future requirements of the industry, TeraSpin focuses on continual product innovation and new product developments. Building on the SKF product lines, we have developed:

- HF 100 spindle inserts for speeds of upto 25,000 rpm
- OH S 168 active cradles for apron length independent nip distance
- PK 1500 top arms with new ergonomic lifting handle and nickel chrome plating

Each of these components is a proven improvement over existing designs and the customers have experienced their better performance. We are glad to share herewith more information on these products.

Spindle insert HF 100

- Designed for speeds of upto 25,000 rpm with German damping spring to damp vibration
- Increased productivity
- Self-aligning foot-step bearing
- Reduced lubrication requirements
- Buffer spring for axial load
- Long term trials of 8 years with no failures



HF 100



2014 held in June '14 at Shanghai. At this exhibition, TeraSpin products were also on live display on the booths of DeChang Precision Textile Machinery Company Ltd. on the "compact" drafting system for cotton and worsted spinning, Best

Active* cradle for ring frame

- Made from a glass fibre reinforced polymer, maintains dimensional stability under varying operating conditions
- Fixed distance between apron nip and front roller nip ensuring consistent yarn quality
 - Minimum contact surface with apron for longer apron life
 - Uniform apron tension with compensating element
 - Easy to remove and mount apron
 - Light weight



OH S 168

*Patent pending

Machinery Company Ltd. on the ring frame and Electro-Jet on the speed frame.

Since 2012, in addition to India, TeraSpin products have been sold to many countries around the world, such as Indonesia, Vietnam, Korea, Pakistan, Bangladesh, Japan, Italy, Kenya, Taiwan, Turkey, Uzbekistan & Iran. TeraSpin components can be used on Zinser, Toyota, Rieter, LMW, Electro-jet, Marzoli and various other make of machines and are conveniently available from A.T.E. and through its representatives around the world.

Spinners are happy to rely on TeraSpin high quality and innovative products, quick deliveries, friendly sales and service and find excellent value proposition.

PK 1500 weighting arms for speed frame

- Single piece ergonomic lifting knob
- Specially hardened spring
- Easy to remove and mount rollers
- No top roller pressure variation
- Consistent results over years of use
- Maintenance-free
- Better aesthetics



PK 1500

People news

Mr Ajay Joshirao, General Manager – International Business, A.T.E., is in-charge of sales and marketing activities in international markets.

Mr Kamal Kulshreshtha has joined TeraSpin on 19 January 2015 as General Manager – Business Development. He brings with him 24 years of rich experience in sales and marketing, including international business, and will help us to support our channel partners as well as end customers better.

Market news

As we all know, China has a huge installed capacity for manufacturing yarn, fabric, garments, as well as manufacturing textile machinery. In the spinning segment China has nearly half of the world's installed capacity!

As a global supplier, TeraSpin was naturally present at the last major trade show in China, the ITMA Asia - CITME



A.T.E. group

A.T.E., based in India and with a legacy of 75 years, has evolved into a multifaceted engineering group, offering world-class products and solutions spanning the segments, of textile engineering, flow technology, cooling solutions, wastewater solutions, energy efficiency solutions, machine-to-machine solutions, and print and packaging solutions.

Driven by a constant pursuit of excellence, and anchored by strong values and vision, A.T.E. is respected for its competence in all of its business areas.

A.T.E. is a leader in textile engineering and is uniquely positioned as a 'one window solution provider' across the textile value chain in India.