

Spinning accessories

For improved performance and productivity

MAG™
beyond quality



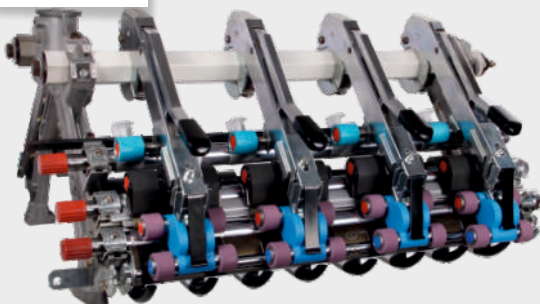
Testing equipment

TERASPIN



Spinning machinery components

得昌纺机
DE CHANG TEXTILE TECH



Compact systems

Craftsman
STORAGE SYSTEMS



Automated storage and retrieval system

TESTING EQUIPMENT

for fibre and yarn

HVT Genius 2

- Fully automatic rapid fibre testing instrument for measuring fibre quality
- HVI calibration with USDA calibration standards
- Combined & independent module testing
- Automatic trash analyzer for measuring lint, trash, dust, micro-dust & invisible loss %. Sample size of 10 to 50 grams
- BaleMAN software (Bale Management Software)



Combo Data DXT

- Determines yarn count and peak breaking force and elongation of yarn
- Operates under standard CRE (Constant Rate of Extension) principle
- Automatic and quick returning of lower jaw to home position after completion of each test
- SpinSoft contains added features such as CSP analysis, wheel change advice, noils & roving stretch %, etc.



DigiCone C

- Table top instrument to measure the collapsing strength of cones and cheeses
- Provision to test different conicity



AccuTrash

- Advanced true trash separation by gravimetric method with buoyancy technique
- Provision to measure trash, lint, dust and micro-dust individually
- Automatic weighing of trash to ensure accurate results
- Flexible sample size of 10 to 50 grams
- Windows based user friendly software with enhanced report options



TensoMaster

- Automatic single yarn strength tester
- Capacity 50 N (optional: 100 & 500 N)
- Elongation range up to 900%
- Simultaneous sample preparation methodology for faster testing
- Provision to accommodate 20 packages



**UH Expert
2012**

- Advanced measurements for evenness and other properties in yarn, roving and sliver
- Output parameters include U%, CV%, thin, thick neps and hairiness
- Extended sensor integrator for higher count sliver
- Application for cotton, wool, flex, synthetic and blends
- Test speeds up to 400 m per minute
- Automatic yarn changer unit with 24 positions yarn stand reduces the testing time (optional)
- Measuring range: 1 tex to 12k tex
- Mass diagram, spectrogram, frequency distribution diagram and variance length curve analysis



**SPinFO
and
RSM**

- Individual spindle monitoring for all major parameters
- Roving stop motion (RSM)
- Six tier information
- Dashboard details
- Vital analysis and reports
- Email and SMS alerts



SLUB ATTACHMENT



**Slub
attachment**

- Latest generation motion control technology to create slubs of multiple diameters and slub over slub
- Specially designed servodrive and sturdy gearbox
- Designed to make patterns and antipatterns, creating enhanced visual impacts in the fabrics
- No production loss during a changeover from slub to normal yarn and vice-versa; the ring frame becomes e-draft after installing FancySpin
- User friendly software and easy programming
- No ends down during doffing or power failure
- Yarn board simulation on screen
- Negative slub (optional)



SPINNING MACHINERY COMPONENTS

for ring frames and speed frames

Spindles and inserts

- For ring frames
- For high speeds up to 25,000 RPM
- For manual doffing and auto doffing
- Suitable for 4-spindle tape drive and tangential belt drive
- With self locking insert and external locking hooks
- With centrifugal buttons and spring type buttons
- With HF-100, HF-1, HF-21 or HF-21C spindle bearing unit to suit different speeds and applications



Smart yarn catcher

- User-friendly clamping device to prevent accumulation of residual yarn
- Automatic opening & closing of clamping faces with change in spindle speed
- Clamping faces open at about 12,500 RPM ($\pm 1,000$ RPM) and close at about 6,000 RPM (± 500 RPM)
- Firm grip of yarn between upper & lower clamping faces which can align precisely with each other due to unique mechanism



Premium series spindles

- Premium ES ring spinning spindles with 18 mm wharve diameter for power saving
- High level of manufacturing precision for all spindle components
- Only two point contact (at footstep and neck bearing)
- Compact neck bearing manufactured with higher precision
- Optimised damping of spindle vibrations with improved design and German components



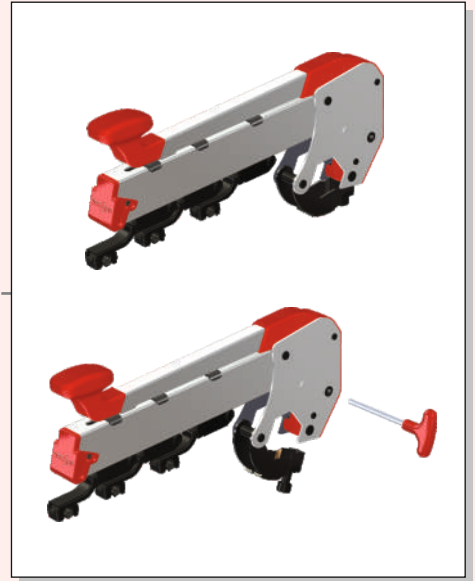
Weighting arms

- For roving and ring frames
- Reliable loading through leverage force of proven helical coil springs
- Choice of load selection on each top roller
- Maintenance free



Flexi weighting arms

- Fits on the existing hexagonal tube of a pneumatic drafting system
- Accommodates the existing top rollers
- Easy height (pressure) setting
- Consistent reliable loading through helical springs
- Options of 5 different loads on each top roller
- Easily replaceable weighting elements
- Adjustable front roller offset



Top rollers

- Sturdy double row ball bearings with low friction
- Through hardened components
- Proven and effective U-type sealing
- Controlled radial clearances
- Lubricated with long life grease – TRG 5



Smart cradles

- For roving and ring frames
- Minimum contact area minimises friction during apron rotation
- Unique design ensures a fixed radius, thus maintaining a uniform distance between nip of the apron and that of the front roller
- Accommodates variations in apron length and maintains uniform apron tension



Grease TRG 5

- For top rollers
- Barium based grease
- High load carrying capacity
- Good metal affinity
- Excellent water resistant properties
- Wider range of working temperature (-30°C to +140°C)
- Higher load bearing capacity
- No ingress of foreign particles



COMPACT SYSTEMS

for ring frames

Four roller compact system

- Higher compacting distance of 24.6 mm
- Longer drafting distance for fibres up to 51 mm
- Smaller top rollers cots – low consumables cost
- Lower torque on front bottom roller
- Long life intermediate 32T gear with/without bearing
- Siro compact attachment



Central suction system retrofits

- Adjustable negative pressure with ABB inverter
- Uniform and minimal pressure difference from first to last spindle
- Concise & elegant design of suction system – saves space
- Improved working conditions & lesser maintenance cost
- Automatic cleaning device (optional)



Compact spares

- Lattice aprons
- Negative suction tubes
- Compact gear boxes
- Tension rods
- 17 T top rollers
- 22 T top rollers
- Intermediate 19 T gear wheels
- Ceramic inserts



AUTOMATED STORAGE SYSTEM



ASRS

- Stacker Crane ASRS: for roll storage into single or double deep racks
- Pallet Crane ASRS: recommended for caged pallets of roll storage into single or double deep racks
- Crane Shuttle ASRS: for higher density storage of finished goods (yarn) and garments
- Multi-deep Shuttle ASRS: a revolutionary multi-deep automated storage system for pallets
- VSTORE vertical storage system: high-performance, durable storage solution that ensures optimal space usage and high ease of use



With over 80 years experience in the textile industry, A.T.E. is an undisputed leader in textile engineering. With its own state-of-the-art manufacturing and its representation of 50+ world leaders, A.T.E. brings cutting edge technologies from across the world to the Indian textile industry encompassing every textile process – spinning, knitting, weaving, synthetics, techtext, non-woven, carpet, finishing, and made-ups. A.T.E. is the only company in India and perhaps in the world with such bandwidth in textile engineering.

The Spinning Accessories division of A.T.E. is dedicated to promote the use of high quality accessories and spares to ensure optimum performance of high-tech spinning machines. The portfolio includes the high precision TeraSpin spinning machinery components, DeChang compact spinning retrofits, MAG textile testing equipment, and spares for various kinds of spinning machinery.

A.T.E. ENTERPRISES PRIVATE LIMITED

Bhagwati House, A-19, CTS No. 689, Veera Desai Road, Andheri (West), Mumbai 400 053, India
T: +91-22-6676 6100 E: poacc@ategroup.com W: www.ategroup.com
CIN: U51503MH2001PTC132921



Our network

Ahmedabad

T: +91-79-2560 1694

Mohali

T: +91-172- 450 7543

Coimbatore

T: +91-422-3528 200

New Delhi

T: +91-11-4285 1778