

Spinning accessories

For improved performance and productivity



CARD CLOTHING AND ACCESSORIES

for cotton and man-made fibres

My Wires app

- Digitalise the current state of wire
- Use My Wires app to optimise wire performance
- Truetzschler and also other makes of wire can be managed in a single app
- To know more, download the My Wires app from Google Play and App Store



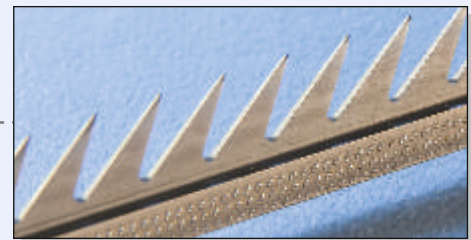
Cylinder wire GX1

- New cylinder geometry and innovative tooth shape
- Optimal wire for best fibre transfer in carding area
- Intensive but gentle carding, best NRE %
- High sliver and yarn quality
- Consistent performance
- Long service life



Doffer wire

- High quality, micro alloy steel
- Long service life
- Available for all fibres
- Scale-free



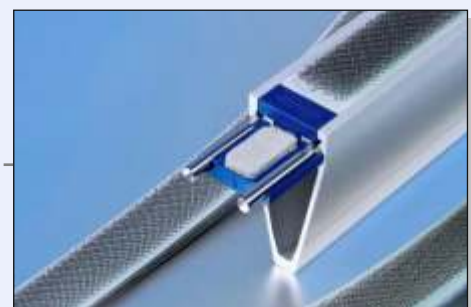
Stationary flats

- Available for all makes of cards
- Uniform settings across the width of the card



Magnotop

- Improvement of yarn quality through higher precision
- Elimination of investments in flat workshop
- Manpower saving; reduced service cost
- No grinding of flat tops after reclothing
- Elimination of investment in spare flat bar sets
- Magnetic mounting saves time



CARD CLOTHING AND ACCESSORIES

for cotton and man-made fibres

Multiroller mounting machine

- Facilitates easy mounting of heavy beaters
- Steady and robust design – German technology
- Compact design and precise accuracy with utmost safety
- Flexible base structure for different mountings



Grinding machine TSG

- Flat grinding device for 1 m and 1.3 m cards
- Grinding device for cylinder and doffer



T-winder

- Specially developed wire guide for mounting of any type of wire
- Precision mounting arm
- Ceramic brakes
- Uniform tension
- High speed mounting
- Well established



Retrofit kits/conversion and accessories

Machine Name	Description	Part number	Remarks
BOA-Blendomat	Seed trap	9019 0095 0067	For seed removal
BOA-Blendomat	Magnet trap - two sets of permanent magnets on both sides with balancing weights and accessories	9019 6195 0025	To remove iron particles
BOA-Blendomat	X axis retrofit	9019 0095 0086	To control X axis faults
BOA-Blendomat	Cover belt tensioning retrofit	9019 0095 0090	For getting proper cover belt alignment
BOA-Blendomat	Cover belt DC to AC conversion	9693 9901 9146	Design updation
BOA-Blendomat	Beater speed sensing retrofit	9693 9001 9043	Prevents beater choking
GBR/GBC - manual bale opener	Spiked lattice - gear motor with AC inverter retrofit (1.1 KW)	9693 9902 3027	For smooth and jerk-free start
BO 1200 - bale opener	Spiked lattice - gear motor with AC inverter retrofit (2.2 KW)	9693 9904 6021	For smooth and jerk-free start
BO-E - universal bale opener	V belt drive conversion	9267 0095 0023	To avoid belt slippage problem
GBR - manual bale opener SRS - step cleaner	STB conversion - seed trap extraction	9023 0469 0000	For seed removal
MPM 236 - Multimixer	Feed roller motor GMB to FU3	9236 9095 0002	Upgraded design
MPM 236 - Multimixer	Feed roller motor GMB To V1000 inverter	9693 9923 6005	Upgraded design
MPM 236 - Multimixer	Variator/DC to AC inverter conversion	9693 9923 3007	Maintenance-free working
BE 961 - trunk feeder	Variator/DC to AC inverter conversion	9693 9996 1013	Maintenance-free working
CVT 1, 3, 4 - Cleanomat cleaner	Variator/DC to AC inverter conversion	9693 9009 7017	Maintenance-free working
TV 425 - fan	Aluminium impeller conversion	9693 9910 9045	For smooth handling of fibre

Machine Name	Description	Part number	Remarks
RN/RV/RK/VFO - opener and cleaner	Variator/DC to AC inverter conversion	9693 9007 0014	Maintenance-free working
RK - opener and cleaner	Beater conversion kit (four Kirschner beater lags)	9070 0711 0001	Optimised fibre opening
RV - opener and cleaner	Beater conversion kit (nine Kirschner beater lags)	9070 0713 0001	Optimised fibre opening
RN/RK/RV - opener and cleaner	Contifeed complete set	9693 9907 0015	For continuous flow of material to card
FBK - EXACTAFEED	DC gear motor to AC conversion	9533 0095 0002	Maintenance-free working
FBK - EXACTAFEED	Steel comb bar	9533 4256 1900	For OE/synthetic process
Card DK-740	Cast iron to aluminium flat conversion	9693 9978 0076 + 9914 2260 0910	For better bard settings and improved quality
Card DK-740	RACK materials	9693 9974 0003	To avoid loose connections and electrical breakdowns
Card DK-740	Metal detector	9630 1074 0059	To detect metal particle and stop the card
Card DK-780	Metal detector	9693 9978 0027	To detect metal particle and stop the card
Cards DK-760/780	Apro doff conversion	9693 9978 0024	For OE process
Card DK-800	Apro doff conversion	9693 9978 1047	For OE process
Card DK-803	Apro doff conversion	9693 9980 3005	For OE process
Card DK-903	Apro doff conversion	9693 1090 3003	For OE process
Card DK-780	Lap feed to chute feed conversion	V780 0000 5231	For continuous flow of material to card
Card DK-800	Lap feed to chute feed conversion	9693 9053 3012	For continuous flow of material to card
Cards DK-740, 780, 800	Doffer and feed roller motor DC to AC conversion	9693 9074 0039	Maintenance-free working
Cards DK-740, 760, 780, 800, 803, 903	Doffer belt cut sensor	9693 9078 1002	To avoid choking of fibre in doffer, if the belt is cut
Cards DK-740, 760, 780, 800, 803, 903	Sliver motion sensor	1360 8290 5169	To monitor the continuous movement of sliver
Cards DK-740, 760, 780, 800, 803, 903	Electronic cylinder brake	9693 0800 0004	To stop the card immediately in case of emergency to avoid any damage to the card
DFK - Tuft Feeder DIRECTFEED	DC gear motor to AC conversion	9693 9956 3039	Maintenance-free working
Card TC 03/TC 5	Sliver motion sensor	1360 8290 5169	To monitor the continuous movement of sliver
Card TC 03/TC 5	Doffer belt cut sensor	9693 9091 4007	To avoid choking of fibre in doffer, if the belt is cut
Card TC 03/TC5	Double side doffer suction retrofit	9913 0095 0210	To improve Classimat faults and reduce winding cuts
Card TC 5	T Con conversion	9693 9991 4281	An electronic gauge of the card, to optimise the settings
Card TC 5, TC/ 10	Apro doff conversion	9693 9991 4009	For OE process
Card TC 10	Doffer belt cut sensor	9916 0095 0050	To avoid choking of fibre in doffer, if the belt is cut
Card TC 10	Double side doffer suction retrofit	9915 2295 0190	To improve Classimat faults and reduce winding cuts
Draw frame HSR 1000	Bosch to Truetzschler module conversion (complete panel components + motor + cables)	9693 9085 2003	Upgraded design
Draw frame TD 03	Retrofit TD DL + retrofit sliver entry	9855 0095 0002 + 9855 0095 0014	New tongue and groove type auto levelling
Draw frame TD 03	Retrofit TD DM + cabling	9855 0095 0018 + 9855 9090 9905	Advanced monitoring 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





Slub attachment



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 inserts 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 10,500 RPM and close at about 4000 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
- Higher level of manufacturing precision for all spindle components
- Only two point contact (at footstep and neck bearing)
- Compact neck bearing manufactured with high precision
- Optimised damping of spindle vibrations with improved design and German components



Weighting arms

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



Flexi weighting arms

- New Flexi weighting arms of PK 3000 series for short staple ring frames
- Higher front top roller load
- Suitable for compact systems
- Options of 5 different loads on each top roller
- Adjustable front top roller off-set
- Suitable for hexagonal as well as round arm bar
- Can accommodate existing top rollers
- Easy height (pressure) setting
- Easily replaceable individual weighting elements for each top roller
- Reliable loading through leveraged force of helical coil springs



Top rollers

- For roving and ring frames
- Sturdy double row ball bearing
- Effective U type seal
- Higher load bearing capacity
- Smooth running



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



YARN CONDITIONING PLANT

YCP NG UF (Pitless)

- Higher vacuum can be achieved which results in higher moisture gain
- Can be used for a wide range of material, cotton waxed/unwaxed, polyester cotton, polyester viscose, 100% viscose, polyester wool/worsted, dyed yarn, melange yarn, Lycra blends, high twisted yarn and industrial yarn
- Additional weight realisation by up to 1.7%
- Fly and fluff liberation reduced by up to 60%
- Higher elongation and work capacity for yarn
- Improved weaving and knitting performance
- Reduced snarling



YARN CONDITIONING PLANT WITH PRE-CONDITIONING

YCP NG Autoline

- Unique technology for additional moisture gain, highest by up to 2.5%
- Fully automated system
- ROI within a year
- Based on FIFO principle



ROVING TRANSPORTATION SYSTEM (RTS)

RTS

- Automate roving bobbin transport between any speed frames and ring frames
- Fully automatic, semi auto, manual system and creel change configuration is available
- The rail is tapered to avoid accumulation of dust and fluff and enhances self-cleaning
- ROVEMASTER: Automatic roving stripping system with automatic bobbin removal, stripping, opening and re-insertion in the line
- RTS - switches and diverters - automatic (or) manual switches with 2 or 3 way systems. The switches are mounted on a sturdy and precisely machined aluminium plate
- Can be installed in existing layout (both building and machinery)



AUTOMATIC OVERHEAD TRAVELLING CLEANER

ATC (OHTC)

- Light weight and state-of-the-art aerodynamic design with CFD, ensuring better performance and aesthetics
- Specially designed closed power duct; longer life of hi-tech carbon brushes
- Base and face mounted motor; reduction in vibration of the unit
- Equipped with unique PLC for machine operation – auto parking, compact yarn suction and blowing arrangement, centralised collection system, obstacle sensor, and blowing for bobbin transport system
- Interlocking design for fan; better stability and performance



AUTOMATIC DOFFING CONVERSION FOR RING FRAMES

ADOF

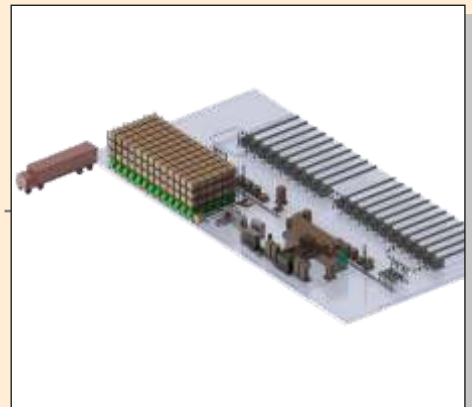
- Advanced doffing mechanism with the shortest doff time of <90 seconds
- Random dumping of empty bobbins
- Feeding is effortless which ensures drastic manpower reduction
- Positive control of under winding coils ensures very less start up breaks (less than 2%)
- Advanced servo drive mechanism for caddy movement to save compressed air
- Unique top bunching mechanism to save manpower
- Unique grippers with spring-assisted bobbin presser. A must for spindles with spring buttons



CONE TO CONTAINER AUTOMATION SYSTEM

C2C

- Automatic cone lifting from winders by cone loaders with RFID sensors
- Pallets are formed by robots; count-wise or lot-wise as per the desired matrix
- Pre-conditioning and conditioning of pallets in yarn conditioning plant (YCP)
- Conditioned pallets are moved to automatic storage system (ASTOR)
- Depending on the individual requirements, conditioned pallets can be de-palletised and fed to Sieger's Automatic Cone Packing System (APAC), wrapped in polybags or boxes
- Fully automatic, efficient system; does not require manual handling
- System is customised to suit the site and process requirements



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



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, techtex, 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, Truetzschler card clothing, Truetzschler spares, DeChang compact spinning retrofits, MAG textile testing equipment, and spares for various kinds of spinning machinery. Also included in the portfolio are yarn conditioning plants, roving transportation systems, automatic overhead travelling cleaners, and more from Sieger.

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 0995

Chandigarh
T: +91-172-269 7179

Coimbatore
T: +91-422-222 3286

Hyderabad
T: +91-40-4050 9200

Kolkata
T: +91-33-2357 6501

New Delhi
T: +91-11-3511 8671

Surat
T: +91-97 2270 0669