





Our Vision

To facilitate the Textile Industry for achieving Global Leadership by innovating design and products with technological research and application development.

Our Mission

To provide a comprehensive Textile Research and Development setup for facilitating innovation, quality up-gradation & efficiency improvement in fibres, yarns and fabrics, and to promote the Textile Brand globally.

Truly, one of a kind _____



State of-the-art research and development centre set up with an investment of US\$ 15 million



One of its kind in the world: A total solution provider to the global man-made cellulose textile, clothing & made-ups industry



Deploys the best of diverse technologies for small sampling, mid-bulk & bulk in yarn, fabric, apparel & made-ups for different applications



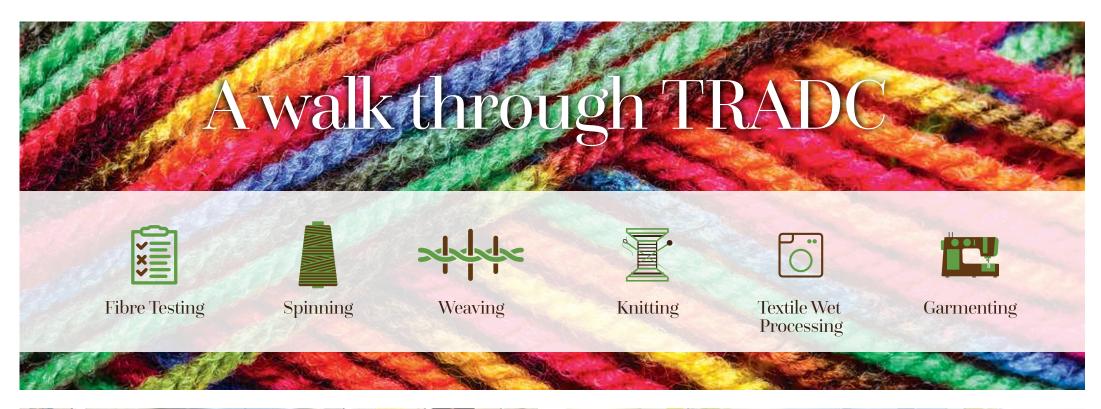
Driven by a strong team of research scientists, respected in the industry and textile community

Making Business Sense

Birla Cellulose believes in total value chain services and has a team to facilitate the services of TRADC

- Business Development Managers to bring market insights and carry forward TRADC innovation to the value chain
- Technical Managers at TRADC to research and deliver differentiated products and services
- Design & Developement Team to bring creativity to the entire collection







Testing Facilities

Quantum 2, Twist Tester & other yarn testing related Seam slippage. Flammability tester, Digital scan inst., Friction tester.

Fabric Testing: Equipped with most of the instruments related to fabric testing. Special Instruments: Air permeability tester, ASTM NABL Certification

Yarn Testing: Uster UT4, Uster Tensorapid4, Uster random tumbler, Tensile strength, Stretch growth, microscope

> Test Procedure : IS, AATCC, ASTM, BIS, ISO Certificate Available: Confirm to ISO17025,



Spinning

Bulk Production

Count Range: 10s – 100s single & two ply Fibre Blends: Man made & natural Lot Size: 2 kg -500 kg Technology: Ring & OE Other Features: Slub, Stretch, Double

Pilot Plant

Lot Size: 50gm per sample Technology: Ring & OE



Weaving

Weave: Plain, Twill, Dobby, Jacquard, GSM Range 50gsm to 350 gsm Technology: Airjet, Rapier, Projectile Other Facilities: Sizing equipment, Sample warp, Single end sizing machine, Jacquard

Pilot Weaving

- CCI Sample Warper
- CCI Single end Sizing CCI Sample Loom
- Capability 20 shaft dobby design
- 3 mts. Sample with 18" width



Knitting

The hallmark of TRADC's knitting department is the technological versatility. We have both circular as well as flat knitting technology available with us. Circular knitted fabrics in a wide range of counts, structures and styling can be achieved.

Circular Knitting Machine

- Machine make Mayer & Cie
- Machine Cylinder dia. 30" Gauge can be changed as per need – 24/32 • No. of feeders – 96
- Plain, pique, fleece, pleating, mock rib structures & feeder
- striper possible. • Spandex feeder attachment

Matsuya Flat Knitting Machine

- Machine Make Matsuya. V bed flat knitting
- Gauge 12s
- With two head system
- Multi color feeder system
 - Spandex feeder attachment
 - Flat knit rib fabric for collar, cuffs.



Textile Wet Processing

Bulk Production

Dyeing Equipment : Package Dyeing, Carrier Dyeing, Soft flow, Air Flow for fabric, Cold Pad batch, Jigger & Garment dyeing. Capacity: 2.50 kg to 150 Kg Capability to Dye: Fibre, yarn, Fabric, Garment, Man made and Natural both, Woven & Knit. Other Equipments : Singeing, Sanforizer, RF Dryer, Air

tumbler, Stenter, Compactor, Digital Printer.

Dyeing Equipment : Package, Carrier & Jigger dyeing, Infrared Dyeing, Pot Dyeing, Automatic dye dispenser Capacity: 200gm to 1 Kg Other Equipments: Padder, Lab stenter, Hose knitting machine & Color Computer Matching System.



Garmenting

Men's wear, Women's wear, Kids wear, Curtains, Bed Sheets, Pillow covers for woven + Knitted fabric 6 needle Embroidery, Swatch making etc. Total capacity: 100 pcs including 10 pcs Knitted.

With us, you are at the leading edge





Product Perfection & Technology Transfer

Recipe formulation for innovative fabric designs are carried out and thereafter the product and process technology and know-how is transferred to the textile value chain



Reactive Orders From Customers

Pilot and 'scale-upto-commercial' yarn quantites are routinely manufactured based on customer orders to facilitate bulk order fructification.



New Fibre Development Support and Feedback

Fibre innovations like Birla Modal, Birla Excel, Flame Retardant, etc. are intrisically studied for its benefits till garment and made-up stage, and feedback is given to main fibre plants.



Research Projects & Training Services

Technical projects and training services for academics are imparted at the centre for updating and upgrading skills.



Tests, Evaluation & **Solution Services**

With its testing facility and interpretation skills, the Centre offers in-depth testing analysis, evaluations and inferences based on logical reasoning and demonstration.



Proactive Collections

Innovative yarns and fabric are developed for showcasing versatility of Birla Cellulose Fibres.

EOur support, every step of the way



Testing

TRADC houses one of the finest laboratories in the country. Our ultra-modern facilities along with a range of research and application development equipment is used for varn testing, fabric testing, colour value measurements and colour matching in order to understand our consumer's needs.





Spinning

We work in tandem with our clients to develop effective spinning solutions with state-of-the-art equipment. This machinery is capable of handling almost all man-made cellulosic fibres and blends in ring and open-end spinning routes.





Unique requirements demand customised, co-created processes. in shuttle-less weaving. The best of projectile, positive and negative our value chain partners.

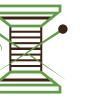




Weaving

Our weaving department is proud of its technological versatility, available rapier and air-jet technology makes TRADC fabric a dream come true for





Knitting

Through meticulous research we provide our clients with the capability to sample out designs with auto striping, pique, mock rib, and jersey in a single machine. We also achieve structures and styling with auto feeders to manufacture knitted fabrics.





Textile Wet Processing

Our innovative wet processing technology is well-renowned. We believe in improving it with the help of our partners, so that we may offer superior dyed and finished products in fibre, yarn, fabric and garment forms.





Garmenting

In order to develop breakthrough garmenting processes, we take into account the specific problems faced by our clients. Then we channel our cutting, styling, designing, sewing, buttoning and embellishment techniques accordingly.





















Welcome to the Studio

At Birla Cellulose TRADC, we let our garments speak for themselves. Our Lifestyle Studio, which displays Birla Cellulose fabrics and garments, is the star attraction of the centre. This enables us to facilitate consumer and trade appreciation along with feedback which helps us gain insight for further developments.



Aditya Birla Group

- A USD 41 billion (Rs 2,50,000 cr) MNC
- Operates in 36 countries
- Over 130 state-of-the-art manufacturing units
- Over 50% revenues from international operations
- Anchored by 120,000 employees belonging to 42 different nationalities
- Ranked No. 4 in the Global "Top Companies for Leaders" survey and ranked No. 1 in Asia Pacific for 2011 (Aon Hewitt, Fortune Magazine and RBL)
- Topped the Nielsen's Corporate Image Monitor 2014-15 for the third year running emerging as the Number 1 corporate "Best in Class".



Birla Cellulose

Birla Cellulose is a global brand that represents both, the balance of nature and the power of science. On one hand, our cutting edge technology keeps our partnerships with customers strong and on the other, eco-friendly innovations keep our conscience clean.

- Birla Cellulose is the umbrella brand and flagship of the Aditya Birla Group
- World leader in Regenerated Cellulosic Fibres (Viscose Staple Fibre)
- Established in 1954, Birla Cellulose is a trusted raw material partner of global textile and non-woven value chain.











Birla Spunshades