

## **Press release**

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### **Details matter: How Trützschler cylinder wires boost efficiency in Pakistan's spinning sector**

**Next-generation GX2 and FGX2 wires extend lifetime by up to 20% and deliver superior carding quality.**

Pakistan's textile industry, especially its spinning sector, is the backbone of the national economy and a vibrant hub of innovation. Today's spinning mills face growing demands for efficiency, quality, and sustainability. From the serene northern valleys to the vibrant port city of Karachi in the south, mills like Suraj Cotton Mills, Liberty, and Nishat Chunian are turning to advanced solutions. What do these leading mills have in common? They all rely on Trützschler Card Clothing's cylinder wires GX2 and FGX2 wires to stay ahead. These wires are more than just tools – they are catalysts driving a new era of productivity and safety in Pakistan's textile sector.

#### **Proven success across leading mills**

From Lahore to Nooriabad, GX2 and FGX2 wires deliver measurable benefits in daily operations:

##### **Suraj Cotton Mills Limited**

Suraj Cotton Mills, operating out of Lahore, is a pioneer in fine-count yarns and operates over 125,000 ring spindles across three units. The company has been working closely with Trützschler since 1992. General Manager Shakaib Raza Zaidi reports: "Trials with GX2 and FGX2 wires on TC 15 and TC 03 carding machines delivered excellent results: A longer wire life up to 1250 tons, over 80% nep removal, grind-free operation and improved safety. These wires have become our preferred choice for sustainable, high-efficiency carding."

##### **Nishat Chunian Limited (NCL)**

As one of Pakistan's leading yarn manufacturers with an annual capacity of 85,000 tons, NCL, based in Lahore, runs eight ring-spinning mills and one rotor spinning plant. Technical Director Sheikh Riaz highlights: "For us, GX2 means reliability. It offers consistent quality throughout its lifecycle and lowers maintenance costs. This stability is essential for meeting our sustainability goals and ensuring smooth operations."

##### **Liberty**

In Nooriabad, Liberty operates advanced rotor and airjet spinning facilities with 10,200 rotors and 960 MVS spindles (Vortex), producing yarns for home textiles, healthcare, and apparel. Technical Director Adnan

Alam confirms: “The FGX2 wire achieved a 15–20% longer service life, consistently high carding quality, and reduces maintenance, making it a safe and reliable solution for modern spinning.”

## **Why GX2 and FGX2 stand out**

GX2 and FGX2 wires are redefining industry standards with features that clearly set them apart from conventional competitor wires:

- **Extended lifetime**  
GX2 lasts up to 1250 tons, even with challenging cotton blends. FGX2 reaches 1200 tons – up to 20% longer than previous generations and competitor wires.
- **Superior nep removal**  
Both wires achieve over 80% nep removal efficiency, resulting in cleaner slivers and fewer downstream defects.
- **Consistent quality and safety**  
Unlike conventional wires, GX2 and FGX2 maintain stable performance throughout their lifecycle.
- **Operational savings**  
Grind-free operation means less downtime, fewer interventions, and lower maintenance costs.

## **Tailored solutions for different needs**

Designed for use with cotton and blends, FGX2 has an extended back that increases both tooth stability and the carding area. Thanks to this geometry, FGX2 wires enable a larger carding surface and deliver superior card sliver quality. Its maintenance-free design eliminates the need for grinding and reduces downtime – a major advantage for mills without in-house expertise or those seeking maximum efficiency. The GX2 wire offers the same geometry but is grindable, fulfilling the demand for a wire compatible with grinding systems. Together, FGX2 and GX2 provide tailored solutions for different requirements.

## **Partners in Progress**

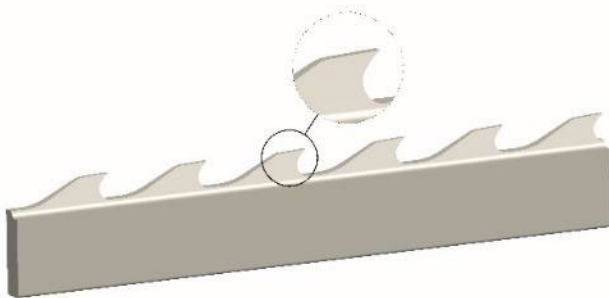
In today's competitive textile landscape, every percentage of efficiency and every kilogram of waste matters. GX2 and FGX2 are more than just wires, they are strategic partners enabling sustainable productivity, consistent quality and operational excellence.

# TRÜTZSCHLER CARD CLOTHING

## Visual Footage:



At this year's ITMA Asia, representatives from Suraj Cotton Mills, Liberty, and Trützschler came together to discuss the advantages of Trützschler Card Clothing wires. From left to right: Ali Bin Tahir (Sales Agent Machpart), Muhammad Tariq (Sales Agent Machpart), Thami Berrada (Area Sales Manager TCC), Shakaib Raza Zaidi (General Manager Suraj Cotton Mills Limited), Gerold Gonska (Regional Sales Manager), Adnan Alam (Technical Director Liberty) and Shaheryar Arif (Sales Agent Machpart).

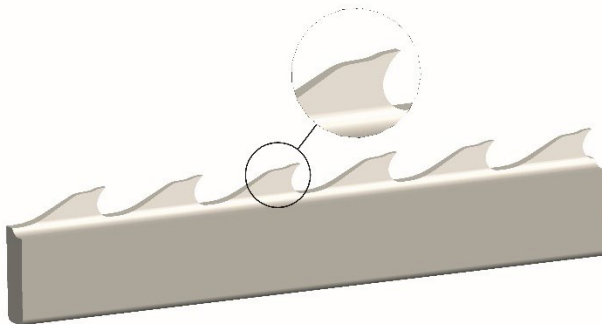


FGX2 wire: Maintenance-free design cuts downtime and boosts efficiency.

# TRÜTZSCHLER CARD CLOTHING



Strengthening partnerships during a visit to Nishat's spinning mill. From left to right: Ali Bin Tahir (Sales Agent Machpart), Sheikh Riaz Ahmed (Technical Director Nishat Chunian Unit 2), Muhammad Waseem Akthar (General Manager Nishat Chunian Unit 6) and Thami Berrada (Area Sales Manager TCC).



With its precision design, the GX2 wire ensures durability and smooth carding performance.

## **About the Trützschler Group:**

The **Trützschler Group SE** is a German textile machinery manufacturer headquartered in Mönchengladbach, Germany. The company is divided into three business units: Spinning, Nonwovens and Card Clothing. **Trützschler Spinning** is the global technology and market leader in spinning preparation in the cotton and man-made fiber sector. With TRUECYCLED, Trützschler Spinning offers a complete solution for state-of-the-art recycling of textile waste – from cutting and tearing textile waste through to carding and drawing secondary fibers, resulting in high-quality, sustainable yarns. **Trützschler Card Clothing** is the global market leader in the production of high-performance card clothing for cards and roller cards. **Trützschler Nonwovens** is a leading supplier of complete production lines and machinery for needle-punched, hydroentangled (spunlaced), through-air and chemical bonded nonwovens. Trützschler machines, installations and accessories are produced and developed in nine locations worldwide. This includes four factories in Germany (Dülmen, Egelsbach, Mönchengladbach, Neubulach), as well as sites in China (Jiaxing and Shanghai), India (Sanand), the USA (Charlotte) and Brazil (Curitiba). Local service companies in Türkiye, Mexico, Uzbekistan and Vietnam and local service teams in Pakistan, Bangladesh and Indonesia provide customer proximity in key regions for the textile processing industry. For more information visit: [www.truetzschler.com](http://www.truetzschler.com)