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SAPPHIRE TEXTILE MILLS ROLLS OUT CARBON-POSITIVE, TRACEABLE YARN AND HOME FABRICS

BY ARTHUR FRIEDMAN DECEMBER 3, 2021 10:10AM



A FIBRETRACE SCANNER AND GOOD EARTH COTTON. COURTESY

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Sapphire Textile Mills, a vertically integrated textile mill based in Pakistan, has partnered with Good Earth Cotton, touted as the world's first carbon positive and traceable cotton, to introduce a collection of yarns and home interior fabrics.

The partnership addresses increasing pressure for the global textile industry to substantiate sustainability claims, reduce environmental impact and take full accountability for fiber choices. Good Earth Cotton sequesters more carbon than it emits across its entire growth lifecycle. Led by innovation, primary impact data and best practice, Good Earth Cotton paves the way for cotton farming globally to be carbon positive, traceable and low impact.



The collection consists of several greige, dyed and melange yarns, alongside greige and processed fabrics suitable for bed linens, interior decor, and garden and kitchen textiles.

"Innovation and development is a driving philosophy at Sapphire Textile Mills," Nabeel Abdullah, director at Sapphire Textile Mills Limited, said. "Partnering with Good Earth Cotton is an essential step for us, as suppliers of sustainable products, to provide our customers with accurate and timely information backed by science and transparency. It is our responsibility to care and look after the planet we already have. Awareness, transparency and working toward zero carbon impact is paramount to this journey and we intend on bridging the gap."

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The Sapphire Textiles and Good Earth Cotton yarn is traceable via [FibreTrace](#), a traceability solution that combines physical and digital traceability for the global textile and fashion supply chain. By harnessing FibreTrace technology, textile brands can share the carbon-positive story of their cotton products with the end consumer, communicating its environmental benefits.



GOOD EARTH COTTON HARVEST COURTESY

The Good Earth Cotton yarn and interior collection by Sapphire will be available in the first quarter of 2022. Sapphire will also work with FibreTrace to launch traceability across several other natural, man-made and synthetic fibers in the first quarter of 2022, including organic cotton, BCI cotton and recycled polyester, with the potential for others to follow.

Sapphire Textile Mills offers a fabric processing capacity of 4 million meters per month, along with production of around 8 million meters of greige fabric, and 4,000 tons of yarn per month.

Good Earth Cotton is grown by farmers who are driven by the need to reduce the environmental footprint of the raw fiber through precision agriculture that ensures minimal-to-zero tillage and soil disturbance. Crop rotation, organic waste amendments and cover crops increase biodiversity and soil health, lowering the environmental impact of farming cotton.

The core of the FiberTrace technology is a patented luminescent pigment that is embedded in raw fibers and is traced, verified and audited in real-time at each step of the global textile supply chain. This is achieved via a proprietary handheld Bluetooth scanner that identifies and quantifies pigments in fiber, yarn, fabric and finished goods that sends encrypted data into secure blockchain and software that was specifically designed and engineered for the textile and apparel supply chain.

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