Press release

New FiberGuard BCF yarn tension sensor

Monitor, adjust, perfect

Neumünster, February 5, 2026 – FiberGuard BCF is the name of the new system for real-time monitoring of yarn tension in all Neumag BCF production processes. Barmag, the innovation and technology leader for filament spinning systems, presented this innovation of its Neumag product line at ITMA Asia + CITME in Singapore last November. The new BCF yarn tension sensor is compatible with all current Neumag BCF machines and can be easily retrofitted to existing Neumag BCF S8 machines.

In FiberGuard BCF, sensors and software ensure that process stability and product quality are sustainably improved. The intelligent system continuously measures the yarn tension between twisting and winding in real time. If there are deviations in the yarn tension, FiberGuard BCF automatically intervenes and adjusts the process independently. The result is less waste, higher efficiency, and greater sustainability.

Operators can use the HMI to call up live data, define individual reporting thresholds, and activate automatic adjustments. In addition, the system enables the creation of customer-specific reference curves for yarn tension during the doffing process.

The solution has been well received by customers, says Jan Pauer, Head of Service Products in Neumünster and responsible for the new system: “Our discussions with interested BCF producers at ITMA Asia have shown that we have listened to our customers. FiberGuard is the next step in all Neumag BCF processes. The combination of hardware and intelligent software opens the door to a new production possibility characterized by reliable thread tension measurement and automated process adjustment.”

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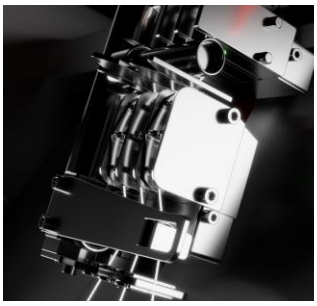

Caption:
FiberGuard BCF uses sensors and software to ensure that process stability and product quality are improved in the long term.

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About Barmag
Since 2026, the Swiss Rieter Group has been operating its man-made fibers business as subsidiary under the traditional name Barmag. This includes the established product brands Barmag and Neumag. As a future-oriented company, the research and development of Barmag is driven by energy-efficiency and sustainable technologies (e-save).

Barmag is one of the leading providers of manmade fibers filament spinning systems, texturing machines, BCF systems, staple fibers systems and solutions for the production of nonwovens. Together with its range of polycondensation and extrusion systems and their key components, Barmag caters to the entire manufacturing process – from the monomer all the way through to the textured yarn – and supports it with customer-oriented engineering services. The product portfolio is rounded off with automation and digital solutions. In addition, Barmag offers high-precision gear metering pumps for the textile industry and other sectors, including the automotive, chemical and paint industries.

The main markets for the Barmag product portfolio are in Asia, particularly in China, India, Türkiye and the USA. Worldwide, Barmag – with round about 2,500 employees – has a presence in 120 countries with production, sales and distribution and service organizations. At the Research and Development centers in Remscheid, Neumünster (Germany), and Suzhou (China), highly qualified engineers, technologists and technicians develop innovative and technologically leading products for tomorrow's world.

For further information, please visit: www.barmag.com

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