Just a thread?



Micro Core Technology®

Threads for the seams of tomorrow

MCT
MICROCORE
TECHNOLOGY

Seamcompetence since 1864.

Gütermann

The quantum leap

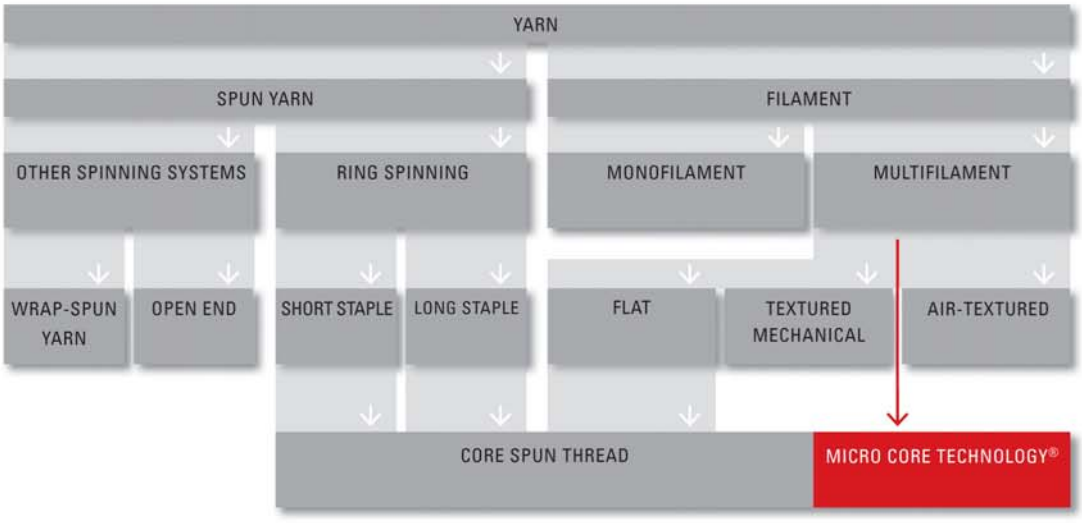
in thread manufacture: Micro Core Technology®



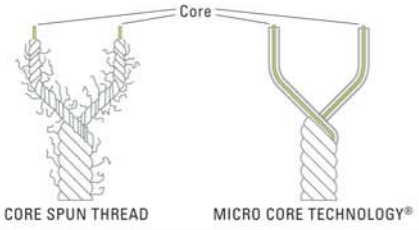
There is no shortage of thread technologies. Gütermann has mastered them all – and still do. Our input actually had a vital impact on some of them. We have now developed a totally new one, which goes by the name of Micro Core Technology® (MCT): A true innovation in thread manufacture. MCT is brand new, and not comparable to any other existing manufacturing technique. It is the first microfilament polyester-based core spun technology. And it heralds the future of thread manufacture.

→ Micro Core Technology®

supersedes conventional production techniques



MCT threads are the first core spun threads with a microfilament wrapping: no fibres, no abrasion. Outstanding surface handle and uniformity.





The future of the seam

An innovation from Gütermann

With MCT, we have opened up a whole new dimension for the textile industry. While existing technologies have exhausted practically all their available potential, MCT offers exceptional scope for innovation. MCT is a standardized technology for every conceivable field of application, which offers threads with a uniform high-quality appearance across the entire spectrum. In MCT, we are looking at the future of the thread. Which is why Gütermann has been the one to launch this technolocigal breakthrough.





Simply a more uniform thread

No fluctuation in diameter

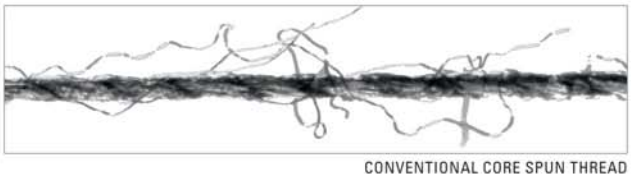
MCT threads are produced from raw material which is technically precise in definition. This results in threads of an equally uniform and precise diameter, without fluctuation in thickness. An important difference, which pays dividends: MCT threads can be processed at constant sewing thread tension levels. They possess even sliding properties and create an impressive impact with a completely even seam and stitch appearance.

Simply more brilliant

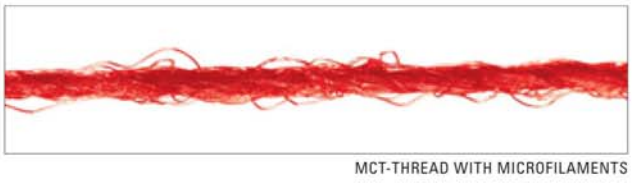
Because filaments are not fibres

Unavoidably, conventional core spun threads involves the ends of fibres escaping from the main body of the thread, creating a hairy appearance. MCT fibres are different because they are the only core spun threads made of filaments which are drawn through the thread without interruption. The textile surface character is made up of micro loops, lending the MCT thread greater mechanical resistance to stress, a unique degree of uniformity and a silky gloss – created as the light is concentrated by the finely structured surface and reflected in one direction. Simply brilliant.





CONVENTIONAL CORE SPUN THREAD

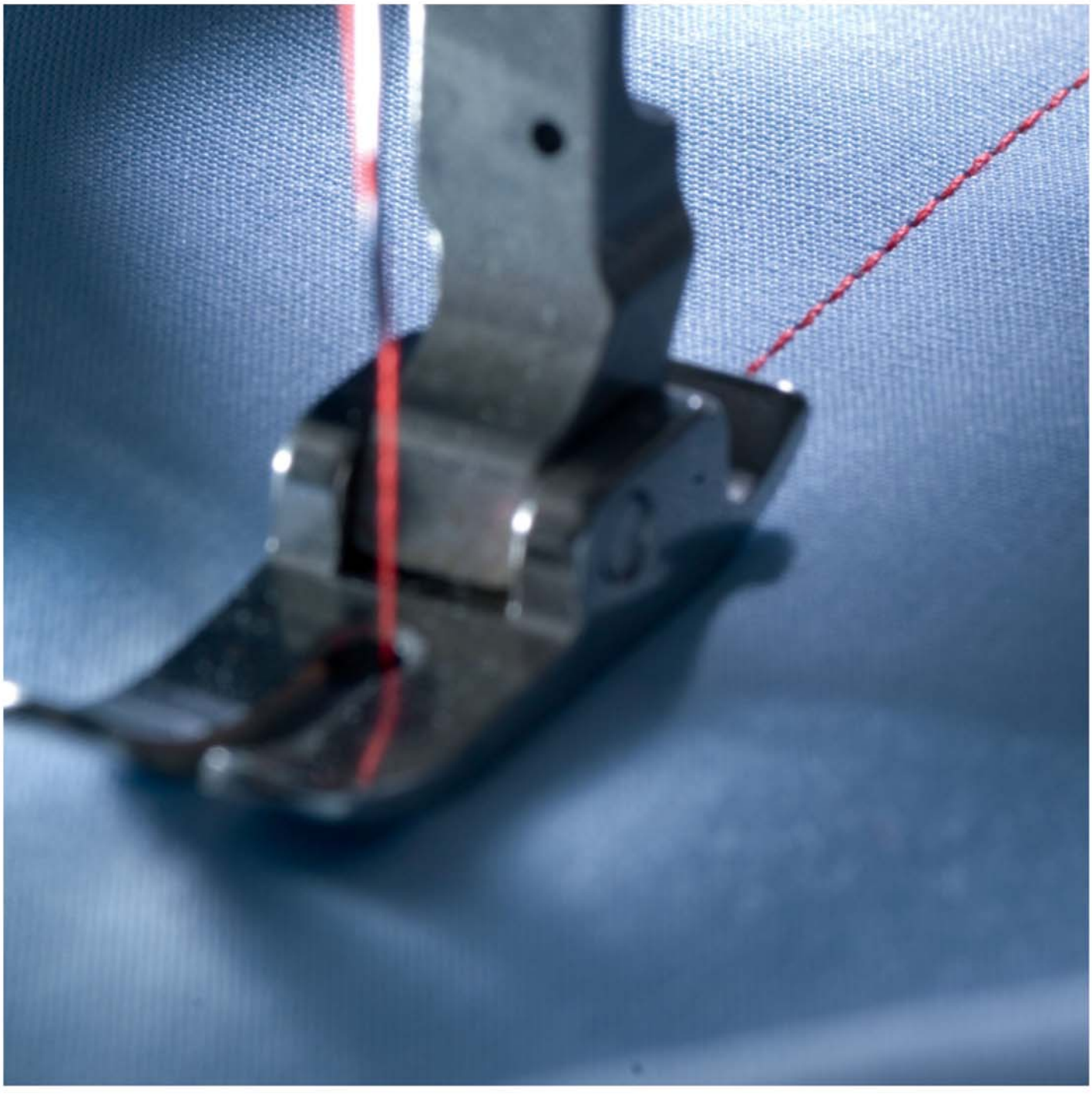


MCT-THREAD WITH MICROFILAMENTS

Simply cleaner

No fibre ends, hardly any abrasion

Where are no fibre ends, there is minimal abrasion. In MCT threads from Gütermann, abrasion is negligible. Which pays dividends: in the form of a tidy seam quality, clean sewing machines and trouble-free production with a far lower maintenance input. No dust is generated during sewing, no fly lint and no projecting fibres. Enjoy the benefits of a clean, tidy seam appearance and a trouble-free production process – with MCT threads from Gütermann.



Perfect reproducibility

Top-class quality from Gütermann

Not only do MCT threads benefit from a better handle, uniformity and gloss than conventional core spun threads, they are also superior to conventional air textured threads. Because MCT threads are produced using a totally controllable, precisely defined process, they provide the guarantee of absolute quality reproducibility. Specially developed polyester types with an ultra-fine microfilament component are used in the production of Gütermann MCT threads. Processing takes place on specially developed machines. All of these benefits – and more – are what make MCT a totally unique innovation from Gütermann. This is a technique without equal.

Micro Core Technology®

All benefits at a glance

Characteristic	Advantage	Benefit
No thick and thin positions	High level of uniformity in the thread and the seam appearance	• High quality seams • High breaking strength and abrasion resistance
No hairiness	No abrasion	• Hardly any fly lint during sewing • Less soiling of the machine and fabric • Less maintenance and cleaning work • Higher productivity
Round, fine thread cross-section	Hardly any fluctuations in tension	• Sewability with constant sewing tension • Less changeover resetting work required at the machine
	Sewable with minimal thread tension (< 25 cN)	• Far less tension puckering
	More thread stored in the seam	• More elastic seams • Less pucker
	Use of finer needles possible	• Less inherent pucker • High level of seam gloss
	Optimum automatic processing reliability	• High level of production reliability, even with poorly adjusted / maintained machines - Human sewing error - Disturbing environmental influences such as fluctuating temperature or humidity
	High resistance against mechanical treatment	• No dismantle of the thread - Less repair work on finish garments
High level of brilliance	Silk-like appearance	• Improved look on the cone • Highly suited for high-quality fabrics