

## **HEAD OF MANUSCRIPT**

spinitystems® – Fibre-to-Fabric Single Jersey production. A game-changing technology made by Mayer & Cie.

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### **ABSTRACT**

spinitystems® – Fibre-to-Fabric Single Jersey production. A game-changing technology made by Mayer & Cie.

spinitystems® is a technological innovation by Mayer & Cie., combining the spinning and knitting process. Single jersey knitwear is manufactured straight from the fibre roving, not from yarn. The three process steps spinning, cleaning and knitting are incorporated in one machine. The rewinding process that was previously required has been eliminated. This 3-in-1 production process of single jersey knitwear is much shorter than the conventional process. Consequently, fewer machines are needed and capital expenditure is reduced. That also leads to significant space and energy savings; even yarn storage can be reduced. Also, less waste is produced. Overall production costs decrease considerably. The reduction in CO<sub>2</sub> emissions makes a valuable contribution towards sustainability – spinitystems® is 2017 winner of the [IKU-Award](#).

Furthermore, spinitystems® produces a new dimension of single jersey knitwear. Its unique quality – the Spinit Look & Feel – results from false-twist spinning. In this process, the roving is being processed directly into knitwear. This means fibres without twist are gently knitted into stitches. The resulting high-quality single jersey fabric stands out with various new properties: fabulously soft, fluffy and even, with a luxurious sheen and without spirality after washing.

An additional highlight is Fancy Module, a patterning unit which allows users to create totally new kinds of unprecedented Single Jersey qualities – switching freely between transparent and opaque pattern areas makes fascinating new pattern effects possible, similar to devoré, slub and intarsia designs, regular, irregular, gradual and much more.

spinitystems' successful market launch at ITMA 2015 demonstrated that professionals worldwide have identified the technology's great potential. After having delivered the first pre-serial machines to pilot customers 2016 and 2017, Mayer & Cie. started 2018 with the serial production and the delivery of machines to customers all over the world.

[www.spinitystems.com](http://www.spinitystems.com)