



# Mayer & Cie: Relanit celebrates 30<sup>th</sup> anniversary

**Relanit celebrated its 30<sup>th</sup> anniversary on 13 October 2017. Launched at ITMA Paris in 1987, the current version Relanit 3.2 HS is one of the most productive single jersey machines on the market, with 30 percent lower energy consumption as compared to a conventional knitting machine.**

Relanit is also part of Mayer & Cie.'s latest innovation, its spinitystems technology. Thanks to relative technology, a fragile fibre bundle can become a fluffy single jersey fabric.

"Relative technology is still the shape of things to come, 30 years after the start of series production," says Marcus Mayer,

Managing Director Mayer & Cie. in charge of technical development. "It exemplifies what we stand for, for our values and our aspiration to always be one step ahead."

## **Relative technology, a distinguishing feature**

The conventional knitting machines usually work with horizontal sinkers. That means the needle moves up and down while the sinker works horizontally. With relative technology, the sinker too moves up and down. Relatively speaking, it shifts towards the needle. In this movement lies relative technology's biggest advantage: In comparison to conventional technology, the yarn only has to travel half the number of deflection points to form a stitch. Each deflection means less stress on the yarn. That is why Relanit can process difficult yarn or inferior qualities without a hitch. Not only to form a fabric of a certain quality but also without making amends in terms of production speed or machine downtimes. Both would be the case if inferior quality yarn were to be processed on a conventional machine. Because the yarn is the key cost factor in knitting,



*ITMA 1987 opened on 13 October in Paris. It marked the sales launch of a technology that to this day is second to none in terms of productivity, yarn care and energy efficiency.*

Relanit can help the knitter to save a lot of money – and that means to make a profit.

“When we unveiled Relanit at the Paris ITMA 30 years ago, it was unmatched in production, speed, yarn care and energy efficiency,” Marcus Mayer says. “And it still is. We are not aware of any company that has succeeded in replicating the technology. As our patent expired years ago, even today nobody has developed a better technology that combines all these benefits.”

**Trusted technology, latest edition**

While relative technology in itself has remained unchanged, it has grown to keep pace with technological developments. The line’s current flagship is the Relanit 3.2 HS. It is one of the most productive single jersey machines in the market, both for open width as well as tubular knits. At 50 rpm it works with elastomeric yarns just as well as with cotton, the machine’s traditional speciality. Furthermore, the Relanit 3.2 HS uses up to a third less energy than a conventional circular knitting machine.

In addition to the Relanit 3.2 HS, the current Mayer & Cie. portfolio comprises a further eight Relanit machines, with striping machines, electronic and mechanical types among them. Every year, around 300 Relanit machines find their way to clients all around the globe. The specialists in the cotton yarn are most popular in Turkey, followed by Brazil and China. Overall, Mayer & Cie. has sold 10,000 units, delivered to about 90 countries worldwide. That means about a quarter of all machines sold in the past 30 years belong to the Relanit family.

**Future potential: Relative technology for spinitystems**

The spinitystems is the latest innovation, which would not be possible



*This is how a Relanit looked 30 years ago: Relanit 4, one of the machines presented on ITMA in 1987, works with four needle tracks.*

without relative technology. The spinning and knitting machine Spinit 3.0 E combines formerly strictly separated processes – spinning, cleaning and knitting. The raw material it works with is a not a regular cotton yarn but a roving which easily dissolves when rubbing or tearing it. This is exactly the material that Spinit 3.0 processes. Relative technology deserves much of the credit for it succeeding in doing so. The

fibre bundle travels a much shorter distance and is subject to less tension than would be the case with conventional knitting technology. In short, it is thanks to relative technology that a fragile roving can be transformed into fluffy single jersey on Spinit 3.0 E.

“That makes Relanit not only a technology we are very proud of but also an obligation for the future,” Marcus Mayer concludes. ♦

## Conference on Emerging Trends in Knitting

This conference will focus on advancements in Knitting and its novel products. The experts from industry and academia will get a chance to come together and share their thoughts and suggestions on the effective revival of Knitting industry. Furthermore, audience will be introduced with new trends in the global textile market especially in Knitting.

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**Important Dates**

- Registration starts: December 31<sup>st</sup>, 2017
- Abstract Submission: January 10<sup>th</sup>, 2018
- Acceptance Notification: January 15<sup>th</sup>, 2018
- Full Paper Submission: January 29<sup>th</sup>, 2018

**FEBRUARY 7<sup>th</sup>-8<sup>th</sup>, 2018**

For registration and further details please contact:

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