

Made to map your body

Mayer & Cie.'s new MJ 3.2 E makes a tailor-made job of body mapping

Albstadt/Barcelona, 13 June 2019 – Mayer & Cie. (MCT) is showcasing a mesh and body mapping specialist at this year's ITMA in Barcelona. Specially developed for sporting use, the electronic single jersey machine MJ 3.2 E is a cornerstone of the manufacturer's trade fair concept and its slogan "Stay a Winner: With Mayer & Cie.". Because the new electronic jacquard flagship is based on a 3-in-1 concept it is capable of much more. Its 3-way technology enables the MJ 3.2 E to knit a wide range of patterns while its 2-way technology ensures high productivity.

A mesh and body mapping specialist

"Body mapping is the supreme discipline for an electronic single jersey jacquard machine, the 100-metres sprint, as it were," says Marcus Mayer, Mayer & Cie. managing director in charge of technical development at the German circular knitting machine manufacturer. "In developing our MJ 3.2 E we had that same challenging task in mind and are certain that the MJ 3.2 E will be a strong contender and a powerful track 'athlete'."

Body mapping, like a similar structure, mesh, is much in demand in the sporting market segment. Athleisure is currently a key growth driver for circular knits.

Mesh is a net-like hole pattern. A finer basic thread, usually a monofilament yarn, is responsible for the hole structure while the thicker plating thread – cotton for example – provides the requisite thick spots. Mesh structures require one-sided plating and the basic thread is invisible in the finished fabric. Mesh can serve as both a fashion and a functional element, such as by ensuring ventilation of selected body areas.

Body mapping too takes the different perspiration areas of the human body into account, but double-sided plating creates the patterns. Body mapping also requires larger plain-coloured areas in the back or abdominal region. Because different colours are used, inaccuracies in the plating would be visible. Furthermore, body mapping structures almost without exception require elastomeric plating. That is the only way to achieve a body-hugging fit that also ensures a high degree of freedom of movement.



The new MJ 3.2 E takes all these challenges into account. Reliable plating of both the basic and the plating thread is key. For both the machine can process elastomer yarn. Explaining the benefit, Marcus Mayer says that “if the basic thread is elastomer plated the knitwear is highly elastic. If the plating thread is used, the overall elastomer content of the fabric is lower and a more open structure is possible”. New cam parts and improved thread guides ensure reliable plating. The machine’s conventional sinker technology provides flexibility. This means both press off and plating are handled optimally with a wide variety of yarns and the MJ 3.2 E will always yield a high fabric quality.

One machine, three focal points

The MJ 3.2 E’s capabilities extend way beyond its body mapping and mesh specialities. That is due to the machine’s 3-in-1 concept (there are two conversion kits for the MJ 3.2 E). To produce mesh and body mapping structures the machine runs on 2-way technology and 3.2 feeders per inch. It also runs on 2-way technology to achieve peak productivity for full jacquard, reaching a speed factor of up to 850. That corresponds to an up to 20 per cent higher output than that of the two established Mayer & Cie. electronic jacquard machines, the Relanit 1.6 E and the Relanit 2.4 E. Customers who focus on maximum flexibility and pattern variety can rely on the MJ 3.2 E with 1.6 feeders and 3-way technology.

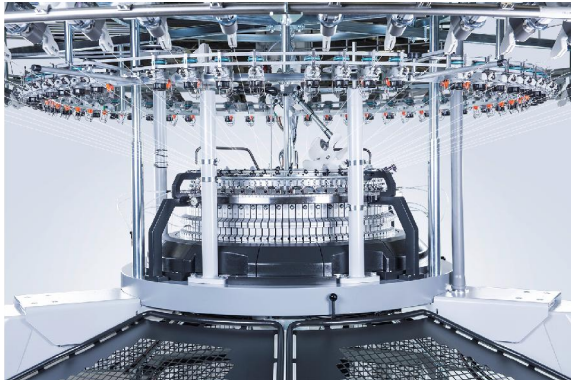
Summarising, Marcus Mayer says “the MJ 3.2 E is an important addition to our machine portfolio for two reasons. For one, it produces high-quality elastomer-plated body mapping structures; for another, it enables our customers to work more productively than with our previous single jersey electronic jacquard machines.”

Mayer & Cie. machine portfolio for sporting uses

Along with the new MJ 3.2 E and the two Relanit machines Mayer & Cie. has other machines in its portfolio that are peak sportswear performers. The MV4-3.2 II and the S4-3.2 produce fine-gauge knitwear made of various synthetic fibres. Both knit fine gauges, the MV4-3.2 II even up to E60, and are suitable for making running shirts, for example.

The D4 2.2 II and the D4 3.2 II, both of them double jersey machines, are also popular models for the production of sportswear. Both produce right/right structures, fine touch and different 8-lock structures. “Overall, double jersey is currently less in demand for sportswear, but its microstructures are truly impressive,” says Mayer & Cie. trend scout Hardy Bühler, adding that “the trend away from smooth surfaces is plain to see. Every user is looking for something special such as an attractive pattern. That is why honeycomb effects, double face and piqué structures are highly sought-after.”

Press photos



The MJ 3.2 E is Mayer & Cie.'s new flagship for single jersey electronic jacquard.

About Mayer & Cie.

Mayer & Cie. (MCT) is a leading international manufacturer of circular knitting machines. The company offers the entire range of machines required for making modern textiles. Fabrics for home textiles, sportswear, nightwear and swimwear, seat covers, underwear and technical uses are made on MCT knitting machines. Furthermore, Mayer & Cie. regularly develops new approaches underlining its leadership in technology. spinitsystems is the latest example in this field.

Since 2019, Mayer & Cie. has augmented its portfolio by braiding machines which produce sheathings for hydraulic tubes used in aviation, automotive industry as well as in further, very specific fields of applications.

Founded in 1905, Mayer & Cie. generated sales of EUR 110 million in 2018 with about 500 employees worldwide, according to preliminary figures. In addition to its headquarters in Albstadt, Germany, where around 370 people work, and subsidiaries in China and the Czech Republic, sales partners for circular knitting and braiding machines in around 80 countries represent Mayer & Cie.

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