

## Mayer & Cie: Latest generation of striper machines

The latest version of a single jersey machine S4-3.2 II R with fully automatic striper selection was displayed at ITMA Barcelona. Mayer & Cie is represented in Pakistan by Noon International based in Lahore.

The new machine S4-3.2 II R combines productivity and flexibility in a way not imaginable so far. According to Rainer Mayer, Managing Partner and Director, this is the first striper machine in the world, which can produce single jersey striper fabric of three or – by combination of individual feeders – also of more colours with 3.2 knitting feeders per inch.

It may pointed out that so far the majority of today's striper machines produce single jersey striper fabric with half of the knitting systems, for example with 1.6 knitting feeders per inch. And so far, the absolute limit was a 3 color striping fabric knitted with 2.4 knitting feeders. And that's why this patented solution of Mayer & Cie. offers a unique production output for customers, based on the 100% higher number of knitting feeders.

The production output of this new machine is excellent, as it produces striper fabrics of three and more colours with a diameter of 30 inches and gauge E28 with 78 feeders and thus achieves an up to 162% higher productivity compared to a previously possible production output of striping machines. From this day onward, production quantities of 300 kg per day will become a standard, explained Mr. Mayer.

This implies for customers considerably reduced production cost for single jersey striper fabrics and thus possibly also a higher percentage of striper fabrics within their garment collection in future.

He added further, this enormous productivity increase is not reached at the expense of flexibility – quite the contrary: S4-3.2 II R offers the full striper functionality also for single jersey structures which can be produced with up to 3 needle tracks and full plating of elastomeric yarns in each knitting feeder. The automatically programmable striper designs of up to 6 colours are implemented by the simple interconnection of 2 striper feeders each. Even fabric designs of more than 6 colours become a piece of cake with the in-house software package "Cone Editor" which automatically calculates the total set up plan of the yarn cones production - optimized for the complete yarn supply.

While talking about the selection of the striper units, he explained, that the currently available striper machines select the striper units by a multitude of mechanical actuators or by one magnet per striper finger. The striper control system of the new Mayer machines uses only 6 large-dimensioned magnets altogether. Additionally, the magnets (contrary to the actuators) are not subject to mechanical wear and tear and thus can work trouble-free on a permanent basis.

In order to be successful in today's textile world, one has to be fast and flexible, and Rainer Mayer says that with 39 RPM respectively and a linear speed of 1.56 m/s, this exhibit at ITMA Barcelona has catapulted itself directly to the top of the most productive single jersey structure



Rainer Mayer, Managing Partner and Director of Mayer & Cie.

machines in the world. Flexibility is a good point: With just a few manipulations, customers can turn off the striper functionality and get a fully-fledged high-performance single jersey machine with up to four needle tracks in no time.

A good example for time saving is the patented system for a quick gauge change "Quick Change Easy". Thanks to this system approx. 75 % of the time can be saved particularly when using the S4-3.2 II R as striper machine. This can be achieved since the striper units remain threaded and the yarn itself is kept under tension on the machine. The included patented cam-groove system automatically does the pre-centering of the cylinder so that the centering itself can be done without much of an effort.

The new S4-3.2 II is really a proof for high performance and flexibility in circular knitting. ♦

## Atlas® presents new product enhancements

Atlas is a recognized leader in material testing, offering a complete line of instruments and services for accelerated and natural weathering.

In November 2010, Atlas joined AMETEK as part of AMETEK Measurement & Calibration Technologies (M&CT), a division of AMETEK's Electronic Instruments Group - (EIG) is active in advanced monitoring, testing, calibrating and display instruments.



Xenotest® 220+ for textile lightfastness testing.

### Xenotest® 220+

Atlas Material Testing Technology is one of global leaders in accelerated light fastness testing equipment for the textile industry.

The Xenotest® 220+ for textile lightfastness testing shown at ITMA Barcelona is ideal for testing under standard conditions and for applications such as ISO 105 B02, AATCC TM16 and Marks & Spencer C9 (Color Fastness to Light) and C9A (Color Fastness to Wet Light).

New features include Xeno Touch software with remote control, E-Mail Service and Online Monitoring add-ons.

### Ci3000+ Fade-Ometer®

Atlas also displayed the Ci3000+ Fade-Ometer® with a new two-tier rack option providing a 50% increase in capacity. The Ci3000+F is well-established as the standard instrument for textile testing for many years, meeting all of the primary internationally recognized standards for textile lightfastness, including AATCC, ISO, Marks & Spencer, and GB/T. ♦



Ci3000+ Open with two tier.