

Relanit 1.6 R

Stripes with up to 12 colours -
now also with elastomer!



NEW NEW NEW NEW NEW
Relanit 1.6 R QCe
with
Quick Change easy and Striper units AT
NEW NEW NEW NEW NEW

Created in Albstadt. Made in Germany!



*Always in fashion -
Quality!*
Mayer & Cie.
Circular Knitting Machines



Relanit 1.6 R

Single jersey and structures with stripes with the benefits of Relanit technology – the ideal partnership.

Relanit technology is characterized by its clear, uncluttered access to the needle bed – which provides just about the ideal work environment for stripes. The Relanit 1.6 R offers the whole application range of a 4-needle machine: Single jersey fabrics, crepe, 2-thread fleece and single jersey plated structures. Stripe patterns with 4, 5 or 6 colours can be knitted. And a special MCT feature: 12 coloured stripes with 2 feeders - also with elastomer plating! This new MCT technology is patented world-wide.

Speed-up Function for High Production.

At a diameter of 30 inch, the Relanit 1.6 R reaches a rotational speed of up to 22 rpm in striping mode and making use of our Speed-up function up for the one color areas of the fabric up to 30 rpm.

Relative technology brings more profit.
















In relative technology, there are fewer deflection points for the yarn. The yarn is thus subject to less strain. The result: greater productivity, fewer faults in the knitted fabric, reliable processing, higher working speeds and optimum quality of the knitted fabric – even in the case of plated fabric with elastomer yarns.

Cylinder-diameter	26"	30"	34"
Machine gauges	E 12* - E 28		
No. of feeders	42	1,6/inch 48	54
Speed up to	22 UPM at 30" (30 UPM without stripes)		
Minim. space requirement	32 m ²	32 m ²	36 m ²
Weight appr.	2700 kg	2900 kg	3100 kg

*on request



Specifications and facts:

STANDARD		OPTION	
	Creel		Creel <ul style="list-style-type: none"> ● Flexcreel without tubes ● Flexcreel striper-creel with alu-tubes without res. ● Flexcreel striper-creel with alu-tubes with reserve ● air-jet for Flexcreel
	Yarn feeding <ul style="list-style-type: none"> ● MJS 2 ● 1 ring, 1 double drive, 2 tapes ● intermediate stop motion ● yarn stop motion with cymbal brake and knotcatcher ● 4 colour striper 	 	Yarn feeding <ul style="list-style-type: none"> ● elastomeric plating ● MPF 30 ● jacquard feeding units instead of MJS 2 (4/feeder) ● 5/10 color striping device ● 6/12 color striping device ● yarn supply w. yarn tension stop motion on top (working without tube)
	Needles/Sinkers <ul style="list-style-type: none"> ● 1 type of cylinder needles ● 1 type holding-down sinkers (in cylinder integrated) 		Needles/Sinkers <ul style="list-style-type: none"> ● 2 types of cylinder needles ● 3 types of cylinder needles ● 4 types of cylinder needles ● spoonless needles*
	Cam parts <ul style="list-style-type: none"> ● cam segments made of perunal ● cylinder cam box 1 A/C-cam/feeder ● 1 track for holding-down sinker ● individual segments ● positive needle guidance 		Cam parts <ul style="list-style-type: none"> ● exchange cams for structures (A/C, B see TA) ● cylinder 4 needle tracks slider cams from outside adjust. in 3 pos.: miss-tuck-knit ● kit for 2 tracks, single+Lapiqué ● kit for 3 tracks, single+Lapiqué+3:1 fleece ● kit for 4 tracks, single+Lapiqué+3:1 fleece
	Frame <ul style="list-style-type: none"> ● portal frame for 520 mm fabric rolls 		Frame <ul style="list-style-type: none"> ● open-width frames ● industrial open-width frame ● steps for the open-width frame
	Drive/Electric <ul style="list-style-type: none"> ● frequency controlled drive (AC) ● 400 V, 50/60 Hz, 4 KW ● 1 KW peripheral units ● machine controller with colour display, touch screen and USB-port ● control voltage 24 V 		Drive/Electric <ul style="list-style-type: none"> ● 200-260 volt ● 346-600 volt ● fabric light in the side legs
	Take-down <ul style="list-style-type: none"> ● adjustable take down with positive drive ● rubber covered rollers ● 2-roller take down ● MCT trapezoid spreader 		Take-down <ul style="list-style-type: none"> ● folding device ● fabric work box ● MCT trapezoid spreader rollers and take down rollers for elastom. and sensitive yarns ● 3-roller take down ● fabric cutting device ● MFT-multi function take-down
	Control <ul style="list-style-type: none"> ● SENSO P pressure oiler (oil: VG 22, VI 110±20) ● 3-shift counter ● central contr. for oiler, counter and periph.access. ● working hour counter ● stationary and rotating lintblower (air: min. 6 bar, 300 l/min.) ● peripheral equipment control by display ● VG 3 ● striper blowing attachment 		Control <ul style="list-style-type: none"> ● 4/5-shift-counter
	Miscellaneous <ul style="list-style-type: none"> ● needle detectors ● electr. supervision system with display (e.g. yarn feeding syst., oiler, safety guards a. pneum. unit) ● striper-control integrated in machine controller with color-display and USB-Port ● Datatransfer via Bluetooth (Stick to be provided by customer) 		Miscellaneous <ul style="list-style-type: none"> ● rapport and striper-software ● Interface for MDA ● gauge/magnet fixing ● Intus for MER and positive feeding units ● MDA.web software for machine data acquisition ● measurement device of yarn length ratio of elastomeric yarn

Striper units by Mayer & Cie. - simply reliable operation.

Because they have been developed consistently with the focus on optimal function, MCT striper units have significantly fewer parts than usual. All 6 striper fingers are used for the colours, and the stripe-out function takes place specifically in the striper units. With stripes over 2 feeders, yarn clamps transfer the yarn from one to the other feeder.



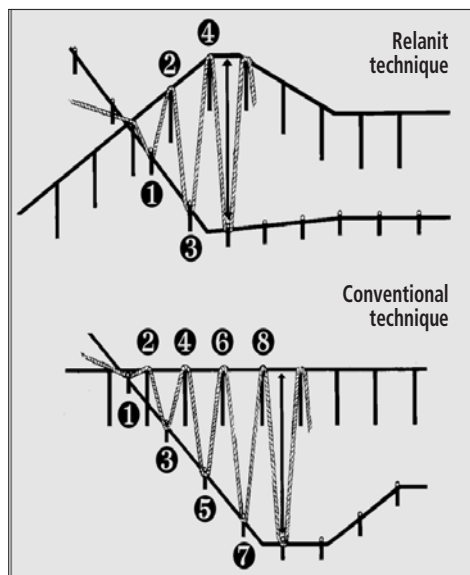
The optimum workplace – just the job for stripes!

There is nothing obstructing access to the needle bed. Sinker guidance is integrated in the cylinder cambox, making the Relanit 1.6 R exceptionally user-friendly – which makes all the difference when knitting stripes. And – Relanit technology takes optimum care of the yarn, and avoids the occurrence of stains caused by oily lint in the fabric. All of which means lower material costs – particularly important when working with costly coloured yarns.

High performance in both quality and output – also with open-width.

With the increasing use of modern synthetic fabrics and elastomer plating, open-width technology is gaining in importance. Mayer & Cie. open-width devices are designed to match the stringent technical, quality and performance standards of the circular knitting machines. MCT open-width take-down systems achieve up to 40 rpm in continuous operation both in the mechanical and the electronic version.

With the utmost reliability. This type of high-speed open-width technology calls for a highly stable frame construction. New drive systems, special inverters, internally developed and modified MCT software, a speed-controlled braking system and suitably designed take-down bearings are just some of the reasons for the ground-breaking new standards set by Mayer & Cie. open-width devices.



Simple Operation via Touch Screen Display.

The state-of-the-art, clear touch screen display, which has a USB port and permits the wireless transmission of patterns via a Bluetooth adapter, guarantees easy-to-understand prompting. At 2 GB it has a high memory capacity. Software updates can be carried out by the user without having to use the MCT service.

Gentle action enhances productivity.

The needle butts run in a completely enclosed track, the needle tracks remain constant. This helps increase not only operating reliability but also fabric quality. As the stitch-forming length is set by raising of the sinkers, press-off reliability is retained even when working with lightweight fabrics. Flat cam angles help reduce friction, increase machine speed and extend the life of sinkers and needles.



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