



Relanit 1.6 ER



Fully electronic 3-way jacquard with striping attachment for fast fashions.

Single jersey jacquard and jacquard structures
with stripes – simple, flexible and fast.

The Relanit 1.6 ER sets a whole new standard in the highly productive knitting of the latest fashions. 1.6 feeders per inch and 1 striping attachment per feeder mean bulk production and comprehensive patterning variation. New patterns are transferred to the machine by the MCT electronic control system in a matter of seconds, ensuring that the electronic individual needle selection produces reliably without pattern errors – even at varying temperatures.

Working with and cleaning the striping attachments with their easily accessible design is just as simple as changing the pattern. And characteristically for the whole of the Relanit design, optimum care of the yarn is guaranteed.

These outstanding features make the Relanit 1.6 ER a high-performance, easy-to-operate universal machine for fashion patterns.



**THE FUTURE
IN KNITTING!**

Mayer & Cie.
Circular Knitting Machines

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Relanit 1.6 ER



Knit what the market wants – with maximum output

Making use of the three-way technique, the Relanit 1.6 ER produces just exactly what you want: 1, 2 and 3-colour jacquard, tuck jacquard, jacquard two-thread fleece, all with stripes. As well as knitting plated fabrics with elastomer yarns in a top standard of quality and outstanding performance.

A sure thing – Jacquard with positive needle guidance!

Gentle deflection and reliable prevention of double and dropped stitches make for reduced wear and fewer faults in the fabric.

Fast resetting, fault-free knitting of every pattern.

Following pattern preparation at the PIC 3, the Relanit 1.6 ER is able to accept any pattern in a matter of seconds and immediately start to knit – without faults. This facility permits the fast, economical implementation of creative ideas and fashion trends, particularly in combination with stripes.













Relanit: the ideal workplace – especially for stripes!

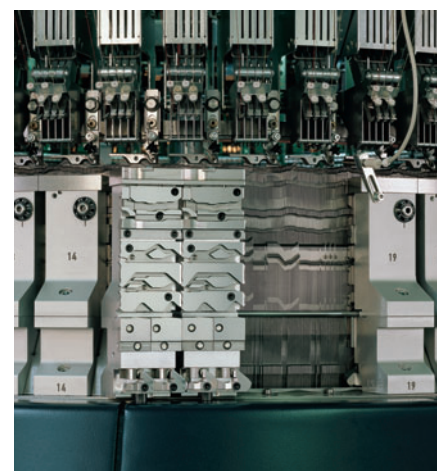
There is nothing to block access to the needle bar. Sinker guidance is integrated into the cylinder cam, making the Relanit 1.6 ER user-friendly –

particularly when using the striping attachment. And the Relanit technology ensures maximum care of the yarn and this reduces material costs especially important when using high-grade coloured yarns.

Exclusively from Mayer & Cie. – cam segments made of Perunal.

Perunal is a high-tech material derived from the world of aerospace engineering. It is characterized by outstanding dimensional stability at different temperatures, so enhancing knitting quality and reducing wear. Other benefits: Perunal does not oxidise, is substantially harder and permits improved dissipation of heat.

STANDARD		OPTION	
	Creel 	Creel <ul style="list-style-type: none"> ● Top creel single-end without reserve (not in combination with elast. or additional feeding units) ● VARI-striper creel with aluminium tubes without reserve ● VARI-striper creel with aluminium tubes with reserve 	
	Yarn feeding <ul style="list-style-type: none"> ● CONI RS ● 1 ring, 1 double drive, 2 tapes ● yarn stopmotion with cymbal brake and knotcatcher ● intermediate stop motion ● 4 colour striper 		Yarn feeding <ul style="list-style-type: none"> ● elastomeric plating ● CONI SEP instead of CONI RS (4 per cam box) ● CONI SEP 03 ● CONI+ 03
	Needles/Sinkers <ul style="list-style-type: none"> ● 1 type of cylinder needles ● 1 type of control sinker ● 2 control magnets/feeder ● 1 type holding-down sinkers (in cylinder integrated) 		Needles/Sinkers <ul style="list-style-type: none"> ● spoonless needles* ● sinker for long stitches
	Cam parts <ul style="list-style-type: none"> ● 1 needle track ● 3-way-technique on every feeder ● Positive needle guidance, independent of stitch length adjustment 		Cam parts <ul style="list-style-type: none"> ● float plated stitch device ● 48 exchange segments/ 48 additional yarn carriers, including yarn feeding (not in combination with elastomeric plating)
	Frame <ul style="list-style-type: none"> ● portal frame for 520 mm fabric rolls ● one-step platform ● temperature regulator from gg22 on 		Frame <ul style="list-style-type: none"> ● Open-width frame for 330 mm fabric rolls (incl. steps)
	Drive/Electric <ul style="list-style-type: none"> ● frequency controlled drive (AC) ● 400 V, 50/60 Hz, 4 KW ● 1 KW peripheral units ● central processor unit with display ● control voltage 24 V 		Drive/Electric <ul style="list-style-type: none"> ● 200 – 260 volt ● 346 – 600 volt
	Take-down <ul style="list-style-type: none"> ● EPA take-down system ● rubber covered rollers ● 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 elastomer and sensitive yarns ● fabric cutting device
	Control <ul style="list-style-type: none"> ● SENSO P pressure oiler (oil: VG 22, VI 110±20) ● 3-shift counter ● central control for oiler, counter and peripheral accessories ● working hour counter ● stationary and rotating lintblower (air: min. 6 bar, 300 l/min.) ● Peripheral equipment control by display ● VG 3 		Control <ul style="list-style-type: none"> ● 4/5-shift-counter
	Miscellaneous <ul style="list-style-type: none"> ● Intus for CONI+ and CONI SEP ● needle detectors ● electr. supervision system with display (e.g. yarn feeding systems, oiler, safety guards and pneumatic unit) 		Miscellaneous <ul style="list-style-type: none"> ● PIC 3-software ● rapport and striper-software ● Interface for MDA ● battery in case of power failure ● Intus for MER and MPF ● gauge/magnet fixing ● sample cutter/weight scale



Cylinder diameters	26"	30"	34"
Machine gauges	E14 – E28		
No. of feeders	42	48	54
Speed up to	0,8 m/s 20 U/min (bei 30")		
Minimum space requirem. appr.	32 m ²	32 m ²	36 m ²
Weight appr.	2800 kg	3000 kg	3200 kg

Subject to design changes.
Illustrations may depict accessories which are not included in the standard machine equipment.

*on request