

Relanit 1.6 E



Full jacquard electronic capability with the 3-way technique for fast fashion production. The entry – level electronic single jersey machine.

All single jersey and jacquard structured knits – fast patterning, high production output, two possibilities for “Mesh”.

The Relanit 1.6 E is Mayer & Cie.'s answer to the successful OVJA 48 E/OVJA 1.6 E concept for double jersey in a single jersey version.

This makes it a high-production alternative for all single jersey jacquard and jacquard structured knits. As versatile and flexible as the fashion market itself through use of the three-way technique. Fast, simple pattern resetting using MCT full electronic control. High output due to the number of feeders, the use of Relanit technology and high speed. Exemplary in terms of quality due to positive needle guidance with gentle deflection and reliable prevention of double and dropped stitches.

And as for machine operation: Simplicity itself!



Mayer & Cie.
Circular Knitting Machines

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Certified: DIN EN ISO 9001

Relanit 1.6 E



Knit what the market wants – with maximum output.

Making use of the three-way technique, the Relanit 1.6 E produces just exactly what you want: 1, 2 and 3-colour jacquard, tuck jacquard, jacquard with float, jacquard two-thread fleece, intarsia patterning and much more. As well as knitting plated fabrics with elastomer yarns in a top standard of quality with outstanding performance – at up to 23 rpm with 30".

Fast resetting, fault-free knitting of every pattern.

Following pattern preparation at the PIC 4, the Relanit 1.6 E 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.













Relanit technology for enhanced simplicity and productivity.

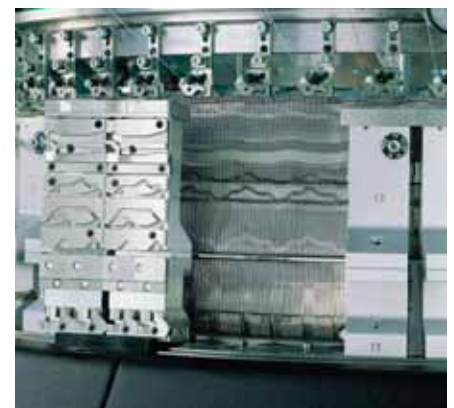
There is nothing to block access to the needle bar, threading up could not be simpler. Fewer deflection points mean maximum care of the yarn and reduce faults in the fabric. The exclusion of oily lint in the area of the fabric tube helps avoid oil stains. Which means lower material costs – particularly important when processing costly dyed 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.

Relanit 1.6 E – simple, unlimited, fast. Forget about mechanical patterning.

STANDARD		OPTION	
	Creel		Creel <ul style="list-style-type: none"> ● VARI-creel ● VARI-creel with aluminium tubes ● VARI-circular creel with aluminium tubes
	Yarn feeding <ul style="list-style-type: none"> ● CONI SEP 03 ● 1 ring, 2 drives, 3 quality wheels, 3 tapes ● ceramic yarn guide 		Yarn feeding <ul style="list-style-type: none"> ● elastomeric plating ● CONI+ 01
	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 ● latch opener
	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 ● temperature regulator from gg22 on 		Frame <ul style="list-style-type: none"> ● industrial frame for 920 mm fabric rolls ● one-step platform ● two-step platform ● open-width frames ● industrial open-width frame ● sliding platform ● steps for the open-width frame ● sliding doors for open-width frame
	Drive/Electric <ul style="list-style-type: none"> ● frequency controlled drive (AC) ● 400 V, 50/60 Hz, 4 KW ● 4 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 ● fabric light in the side legs ● add. light assembled in the yarn feeding
	Take-down <ul style="list-style-type: none"> ● adj. 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 a. take down rollers f. elastom. a. sensit. yarns ● 3-roller take down ● fabric cutting device
	Control <ul style="list-style-type: none"> ● SENSO P press.oil.(oil:VG22, VI110±20) ● 3-shift counter ● centr. contr. foiler, count. a. periph. access. ● working hour counter ● stationary and rotating lintblower (air: min. 6 bar, 250 l/min.) ● Peripheral equipment control by display ● VK 3 		Control <ul style="list-style-type: none"> ● 4/5-shift-counter ● VG 3
	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 4-software ● rapport and striper-software ● Interface for MDA ● battery in case of power failure ● Intus for MER and MPF ● gauge/magnet fixing ● MDA.web softw.f. mach. data acquis. ● measur. device of yarn length ratio of elastomeric yarn



Cylinder diameters	26"	30"	34"
Machine gauges	E 14 – E 28		
No. of feeders	42	48	54
Speed up to	26 rpm	23 rpm	20 rpm
Minim. space requirement	20 m ²	23 m ²	27 m ²
Weight appr.	3300 kg	3500 kg	3700 kg

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

*on request