

FV 2.0

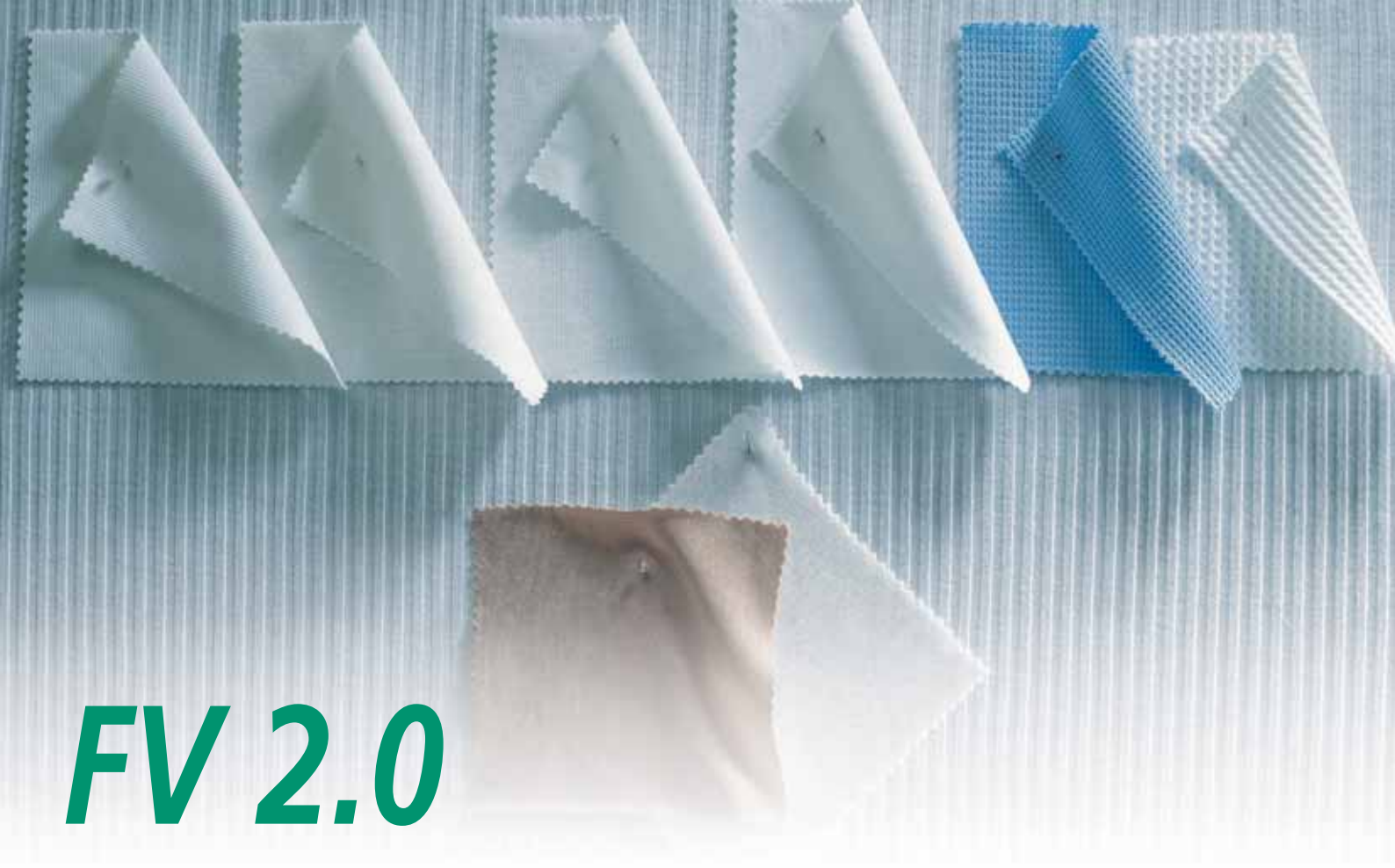
Rib quality: a new dimension
in efficiency.



Created in Albstadt. Made in Germany!



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



FV 2.0

The complete underwear spectrum from plain rib to tuck rib including plated fabrics.

The FV 2.0 covers practically every standard market segment in men's, ladies' and children's underwear. Its outstanding precision forms the foundation for a whole new standard of fabric quality with outstanding elasticity, while its speed and number of feeders make for efficient bulk production. The FV 2.0's outstanding reliability is due to its diagonally guided knockover elements which ensure immediate and controlled tension relief of formed stitches.

After stitch adjustment there is no longer any need to reset the yarn feeders. Exchange cams permit the FV 2.0 to be simply reset for the tuck or miss-knit positions.

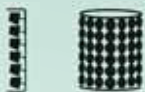












2 feeders per inch diameter and a speed of up to 1.5 m/s – statistics which add up to high performance yard by yard. Reliable in continuous operation.

Cylinder diameters	8" – 24", 26", 30", 34"
Machine gauges	E10 – E20, E22*
No. of feeders	2/inch (62 feeders at 30")
Speed up to	1,5 m/s 38 rpm at 30"
Minimum space requirement	8 m ² – 20 m ²
Weight appr.	1000 kg – 2800 kg

*on request



Specifications and facts:

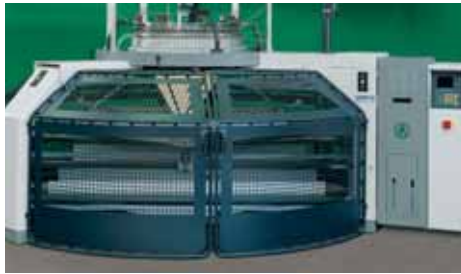
STANDARD		OPTION	
	Creel		Creel <ul style="list-style-type: none"> ● Flexcreel without tubes ● Flexcreel with alu-tubes ● Flexcreel-circular creel with alu-tubes ● air-jet for Flexcreel ● double-end knitting
	Yarn feeding <ul style="list-style-type: none"> ● MPF 30 ● 1 ring, 1 double drive, 1 single drive, 3 tapes ● full ceramic yarn carrier, 3 holes 		Yarn feeding <ul style="list-style-type: none"> ● MPF 10 ● MPF 10, 2 units/feeder ● MPF 30, 2 units/feeder ● elastomeric plating in dial needle ● MCTmatic components see index
	Needles/Sinkers <ul style="list-style-type: none"> ● 1 type of cylinder needles ● 1 type of dial needles ● 5 mm delayed timing 		Needles/Sinkers <ul style="list-style-type: none"> ● needles with large hook ● blind needles* (pls. consider support cams)
	Cam parts <ul style="list-style-type: none"> ● cam segments made of perunal ● cylinder cam box 1 A-cam/feeder ● dial cam box 1 A-cam/feeder ● synchronized/delayed timing ● individual segments and needle door 		Cam parts <ul style="list-style-type: none"> ● 2nd stitch length area ● exchange cams for support ● exchange cams for rib structures
	Frame <ul style="list-style-type: none"> ● portal frame for 520 mm fabric rolls 		Frame <ul style="list-style-type: none"> ● industrial frame for 920mm fabric rolls (from 13") ● giant frame for 1250 mm fabric rolls up to 38" (from 20") ● sliding platform ● open-width frames ● steps for the open-width frame
	Drive/Electric <ul style="list-style-type: none"> ● frequency controlled drive (AC) ● 400 V, 50/60 Hz; 2,2 KW (8-18"); 4 KW (19-34") ● 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 ● MCT trapezoid spreader (from 13") ● MCT spreader up to 12" 		Take-down <ul style="list-style-type: none"> ● folding device ● fabric work box (in case of an folding device standard till 24") ● fabric box up to 24"* ● MCT trapezoid spreader w. rolls and take down rollers for elastom.a. sensit. yarns (from 13") ● 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 ● centr.l control f. oiler, counter and periph. access. ● working hour counter ● stationary and rotating lintblower (air: min. 6 bar, 250 l/min.) ● peripheral equipment control by display ● VG 3 		Control <ul style="list-style-type: none"> ● 4/5-shift-counter ● flutter blower
	Miscellaneous <ul style="list-style-type: none"> ● electr. supervision syst. with display (e.g. yarn feeding syst., oiler, safety guards and pneum. unit) ● needle detectors 		Miscellaneous <ul style="list-style-type: none"> ● Interface for MDA ● Argus ● gauge/magnet fixing ● Intus for MER and positive feeding units ● MDA.web software f. machine data acquisition ● measur. device of yarn length ratio of elastomeric yarn

*on request

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

Knit what the market wants.

The exchange cams offered for the FV 2.0 open up enormous scope for fine rib fabrics and structures. Plain rib, 2:2 rib, colour stripes, double-end knitting, plating, rib tuck, half cardigan, thermal, tuck ripple, cross-tubular, double face and Milano rib are just some of the main constructions which can be reliably and efficiently knitted on the FV 2.0.



Plating.

The FV 2.0 is capable of high quality plating on the dial needles with optimum elasticity – for normal plating and when using elastomers.

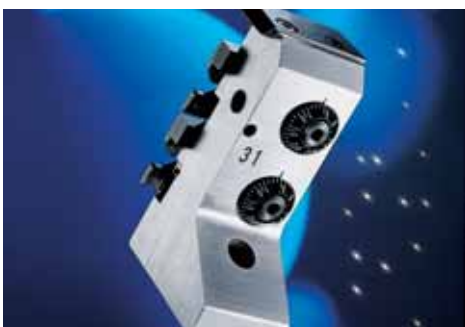
Simple Operation via Touch Screen Display.

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.



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.



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 de-signed take-down bearings are just some of the reasons for the groundbreaking new standards set by Mayer & Cie. open-width devices. The brush roller is a standard for a gentle open-width technology.



Sliding step platform for industrial frame and giant frame.

The new, patented sliding step platform is ideal for the work at the knitting head. It can be moved along the machine over a hoop guide without the operator having to descend. It is functional, space-saving and excellent value for money. To take out the fabric and to clean the machine it can simply be moved to the side.



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