



FV 2.0



Rib quality: a new dimension in efficiency.

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.

High performance, top reliability – the FV 2.0 offers a whole new quality dimension at reasonable cost!



*THE KNITTING
FUTURE!*
Mayer & Cie.
Circular Knitting Machines

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Performance which adds up.

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.

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.

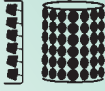












The FV 2.0 is capable of high quality plating on the dial needles with optimum elasticity – for normal plating and when using elastomers.

Positive needle guidance, gentle deflection.

The FV 2.0 is designed with the emphasis on quality plus output. The positive needle guidance with gentle deflecting action in the cam curve means that needles are guided smoothly and safely for less wear and tear and a longer service life.

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 with reserve (up to 24"), as of 26"* ● VARI-creel ● VARI-creel with aluminium tubes ● VARI-circular creel with aluminium tubes ● double-end knitting 	
	Yarn feeding <ul style="list-style-type: none"> ● CONI+ 03 ● 1 ring, 1 double drive, 1 single drive, 3 tapes 		Yarn feeding <ul style="list-style-type: none"> ● CONI+ 01 ● CONI+ 01, 2 units/feeder ● CONI+ 03, 2 units/feeder ● elastomeric plating in dial needle ● 3-hole-yarn guide ● MCTmatic componens ● yarn carrier with ceramic tube (only for endless yarns)
	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 920 mm fabric rolls (from 13") ● two-step platform
	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 ● 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"> ● 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 with rolls and take down rollers for elastomer and sensitive yarns (from 13") ● 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, 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"> ● Intus for CONI+ and CONI SEP ● electr. supervision system with display (e.g. yarn feeding systems, oiler, safety guards and pneumatic unit) ● needle detectors 		Miscellaneous <ul style="list-style-type: none"> ● Interface for MDA ● Argus ● gauge/magnet fixing ● sample cutter/weight scale ● Intus for MER and MPF



Cylinder diameters	8" – 24", 26", 30", 34"
Machine gauges	E10 – E20, E22*
No. of feeders	2/inch (62 fdrs. at 30")
Speed up to	1.5 m/s (38 rpm at 30")
Minimum space requirement appr.	8 m ² – 20 m ²
Weight appr.	1000 kg – 2800 kg

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

* on request