



MCPE 2.4



Reliable knitting of even the longest float stitches.

More colour, more versatility and a lot more output. Colour jacquard all-over plush – with fully electronic control for top quality, fault-free fabrics.

Since its market launch, the MCPE has represented the standard in quality colour jacquard all-over velour. In the form of the MCPE 2.4, it offers even more colour, more versatility and higher output. Equipped with sinker segments based on a newly developed transfer sinker technique, it can take even long float stitches and large-area colour motifs easily in its stride. The tried and tested double sinker technique helps cut down on shearing waste and guarantees dense, all-over plush. Electronically controlled needle selection at every feeder ensures pattern variety as well as high-speed machine resetting. And outstanding continuous performance is guaranteed by the high number of feeders (72 feeders with 30" dia.). The MCPE 2.4 opens up interesting new markets – not only with appealing fashion products but also for the automotive engineering and furniture industries.



**THE FUTURE
IN KNITTING!**

Mayer & Cie.
Circular Knitting Machines

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MCPE 2.4



Unrivalled when it comes to long float stitches.

Because the newly developed transfer sinker technique guarantees a regular loop position no matter what the pattern combination, the MCPE 2.4 knits even long and difficult float stitches flawlessly every time.

The standard for all-over plush quality.

The MCPE 2.4 knits all loop colours according to the pattern on every single course. And every stitch has its own plush loop. Only the selected needles knit at the loop feeders, non-selected colours form a float stitch over the formed loops

– all in the pin-point precision guaranteed by the proven MCPE double sinker method. The ground and loop thread are pre-formed into loops before knockover takes place and the loops are precisely calibrated. All the loops are absolutely evenly formed with maximum care of the thread. The result: greater production reliability, lower loss through shearing.

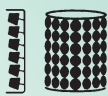











Greater pattern variety – quickly put into practice.

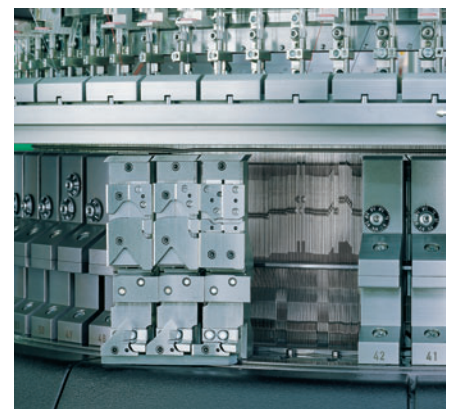
Electronically controlled needle selection at every feeder gives you absolute independence when it comes to pattern design. An optional number of colours and different structures in the ground

fabric, such as 1:1 selection, allow you to respond flexibly to the changing demands of the market without losing valuable production time to laborious resetting work.

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* ● VARI-creel ● VARI-creel with aluminium tubes ● VARI-circular creel with aluminium tubes 	
	Yarn feeding <ul style="list-style-type: none"> ● CONI SEP 03 48/56/64 units ● 1 ring, 1 double drive, 1 single drive, 3 tapes 		Yarn feeding <ul style="list-style-type: none"> ● elastomeric plating (on ground feeder) from 2 colours on ● coated yarn carrier
	Needles/Sinkers <ul style="list-style-type: none"> ● 1 type of cylinder needles ● 1 type of control sinker ● 1 control magnet/feeder ● 1 holding-down (loop) and knock over sinker/slot each 		Needles/Sinkers
	Cam parts <ul style="list-style-type: none"> ● Cam segments made of perunal ● 1-3 coloured jacquard ● 48/56 ground/loop segments ● 20/24 knock-over segments ● 2/2 cast-off segments for (2+3) colour jacquard 		Cam parts <ul style="list-style-type: none"> ● exchange cam parts for additional 1:1 ground courses (+ 4 colours, 5 colours or 6 colours) ● exchange cam parts up to 12 colours ● exchange cam parts and yarn carriers for tuck in the ground ● zero loop equipment ● cutting attachment
	Frame <ul style="list-style-type: none"> ● portal frame for 520 mm fabric rolls ● one-step platform 		Frame <ul style="list-style-type: none"> ● industrial frame for 920 mm fabric rolls ● two-step platform
	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
	Take-down <ul style="list-style-type: none"> ● adjustable take down with positive drive ● rubber covered rollers ● MCT spreader 		Take-down <ul style="list-style-type: none"> ● fabric cutting device
	Control <ul style="list-style-type: none"> ● SENSO P pressure oiler (oil: VG 22, VI 110±20) ● 3-shift counter ● working hour counter ● central control for oiler, counter and peripheral accessories ● 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
	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) ● ball yarn brakes for plush thread 		Miscellaneous <ul style="list-style-type: none"> ● PIC 3-software ● rapport and stripper-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	E 18 – E 22		
No. of feeders	62	72	82
Speed up to	0.72 m/s		
	21 rpm	18 rpm	16 rpm
Minim. space requirement	22 m ²	24 m ²	30 m ²
Weight appr.	2700 kg	3000 kg	3100 kg

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

* on request