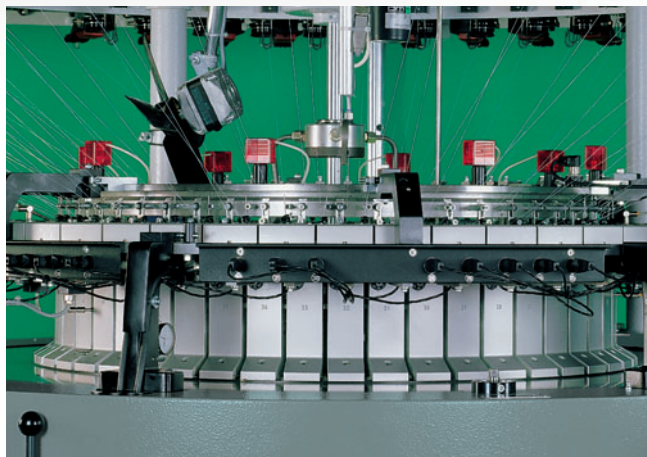




# MPU 1.6 E



## Pattern versatility in plush. New flexible, universal.

Fully electronic single jersey jacquard plush or terry with loop pattern selection coupled with smooth ground fabric or high/low effects.

Boasting a new electronic sinker selection technique, the MPU 1.6 E offers a completely new range of patterning possibilities, so opening up exciting new fields of application and significantly enhanced user potential. The MPU 1.6 E will keep you abreast of every trend. Its patterning versatility and flexibility lend themselves ideally to the production of fabrics for the city look, evening wear, dressing gowns or leisure suits – not to mention furniture upholstery fabrics or even textile wallpapers. With this many talents, the MPU 1.6 E is guaranteed to be in full use no matter what the season – an outstanding earner the whole year round.



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

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Certified: DIN EN ISO 9001, EMAS/Öko Audit DIN EN 14001

# MPU 1.6 E



## Fault-free patterning – every time.

The new electronic MCT sinker selection benefits from precise, tried and tested synchronization – a patent-protected system offered exclusively by Mayer & Cie. which reliably precludes selection errors and makes the MPU 1.6 E totally reliable when it comes to patterning.

The positive needle and sinker guidance system operates fully independently of the pattern control system commands, so guaranteeing fault-free fabric and high speeds.

## Perfect plating, tidy fabric reverse.

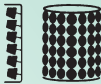









The special MCT-specific sinker shape and the MCP control system help to retension and ensure the reliable tie-in of loops. This ensures perfect plating every time and helps reduce shearing waste. To ensure a neat and tidy fabric reverse, the ground thread is laid reliably by the yarn feeder underneath the sinker nose into the sinker slot.

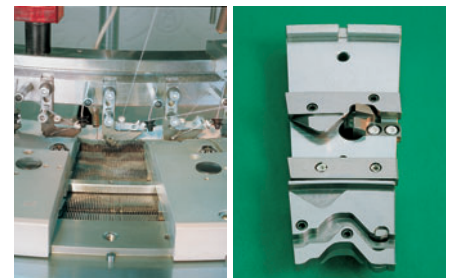
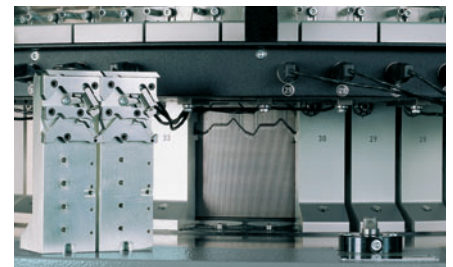
## Shorter resetting times – simple operation.

Diagonally adjustable stitch cams with central stitch-forming adjustment take care of reliable

needle guidance and simple stitch-forming depth alteration coupled with constant needle drive. This reduces resetting times, eliminates the need to reset the yarn feeders when changing the fabric weight and also provides greater press-off reliability – particularly when producing light-weight fabrics. All this coupled with central stitch-forming adjustment as a standard feature.

The individual cam segments both for the sinker and the cylinder cam significantly simplify operation.

STANDARD		OPTION	
	<b>Creel</b>		<b>Creel</b> <ul style="list-style-type: none"> <li>● VARI-creel</li> <li>● VARI-creel with aluminium tubes</li> <li>● VARI-circular creel with aluminium tubes</li> </ul>
	<b>Yarn feeding</b> <ul style="list-style-type: none"> <li>● CONI SEP 02</li> <li>● CONI+ 02</li> <li>● 2 rings, 2 drives, 4 quality wheels, 4 tapes</li> <li>● friction feed clip-on unit</li> </ul>		<b>Yarn feeding</b> <ul style="list-style-type: none"> <li>● elastomeric plating (only for 2-way technic)</li> <li>● coated yarn carrier (only for 2-way technic)</li> </ul>
<b>E</b>	<b>Needles/Sinkers</b> <ul style="list-style-type: none"> <li>● 1 type of cylinder needles (1 stitch length butt, 1 clearing butt)</li> <li>● 1 type of holding down sinkers gg16–22 3,0 mm loop height gg24 2,5 mm loop height</li> <li>● 1 control magnet/feeder</li> </ul>	<b>E.</b>	<b>Needles/Sinkers</b> <ul style="list-style-type: none"> <li>● 4 types of cylinder needles (central stitch length butt) (only in combination with option sinker cams for normal push)</li> <li>● Sinkers for loop heights (mm) 1,8; 2,2; 2,5; 2,8; 3,0</li> <li>● Sinkers for loop heights (mm) 2 – WT: 1,5/2,8; 1,8/3,2 (Standard); 1,5/3,2; 2,2/3,5 Sinkers for loop heights (mm) 3 – WT: 0/1,5/2,8; 0/1,5/3,2; 0/1,8/3,2 (standard)</li> <li>● sinkers for fleece + plain SJ gg16–28</li> </ul>
	<b>Cam parts</b> <ul style="list-style-type: none"> <li>● Cam segments made of perunal</li> <li>● electronic sinker selection high/low</li> <li>● 1 A-cam/feeder</li> <li>● individual segments</li> <li>● positive needle guidance</li> </ul>		<b>Cam parts</b> <ul style="list-style-type: none"> <li>● exchange cam parts for structures</li> <li>● exchangeable cylinder and sinker cams for 3-way-technique</li> <li>● exchangeable sinker cams for normal push, sinkers and possibilities see MPU 1.6</li> </ul>
	<b>Frame</b> <ul style="list-style-type: none"> <li>● portal frame for 520 mm fabric rolls</li> </ul>		<b>Frame</b> <ul style="list-style-type: none"> <li>● one-step platform</li> <li>● industrial frame for 920 mm fabric rolls</li> <li>● two-step platform</li> </ul>
	<b>Drive/Electric</b> <ul style="list-style-type: none"> <li>● frequency controlled drive (AC)</li> <li>● 400 V, 50/60 Hz, 4 KW</li> <li>● 4 KW peripheral units</li> <li>● central processor unit with display</li> <li>● control voltage 24 V</li> </ul>		<b>Drive/Electric</b> <ul style="list-style-type: none"> <li>● 200–260 volt</li> <li>● 346–600 volt</li> </ul>
	<b>Take-down</b> <ul style="list-style-type: none"> <li>● adjustable take down with positive drive</li> <li>● rubber covered rollers</li> <li>● MCT trapezoid spreader</li> </ul>		<b>Take-down</b> <ul style="list-style-type: none"> <li>● MCT trapezoid spreader rollers and take down rollers for elastomer and sensitive yarns</li> <li>● fabric cutting device</li> </ul>
	<b>Control</b> <ul style="list-style-type: none"> <li>● SENSIO P pressure oiler (oil: VG 22, VI 110±20)</li> <li>● 3-shift counter</li> <li>● central control for oiler, counter and peripheral accessories</li> <li>● working hour counter</li> <li>● stationary and rotating lintblower (air: min. 6 bar, 250 l/min.)</li> <li>● Peripheral equipment control by display</li> <li>● VK 3</li> </ul>		<b>Control</b> <ul style="list-style-type: none"> <li>● 4/5-shift-counter</li> <li>● VG 3</li> </ul>
	<b>Miscellaneous</b> <ul style="list-style-type: none"> <li>● Intus for CONI+ and CONI SEP</li> <li>● needle detectors</li> <li>● electr. supervision system with display (e.g. yarn feeding systems, oiler, safety guards and pneumatic unit)</li> </ul>		<b>Miscellaneous</b> <ul style="list-style-type: none"> <li>● PIC 3-software</li> <li>● rapport and stripper-software</li> <li>● Interface for MDA</li> <li>● battery in case of power failure</li> <li>● Intus for MER and MPF</li> <li>● gauge/magnet fixing</li> <li>● sample cutter/weight scale</li> </ul>



Cylinder diameters	26"	30"	34"
Machine gauges	E 16 – E 24		
No. of feeders	42	48	54
Speed up to	23 rpm	0.8 m/s 20 rpm	17 rpm
Minim. space requirement	22 m <sup>2</sup>	24 m <sup>2</sup>	28 m <sup>2</sup>
Weight appr.	2700 kg	2900 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