



# MPU 1.6



## Quality plush and more – the universal answer.

**Plush, terry, fleece, single jersey constructions – multiple variants on a single basic machine.**

The MPU 1.6 is the universal plush machine for fine fabric qualities, also with elastomer plating. Whether for the latest fashions, leisure ware or technical fabrics (covers for seating furniture or car seats) – no matter what the job, the MPU 1.6 supplies specialist knitting quality. It is as varied as the customer base which can be supplied by its fabrics. Which means optimum productivity all the year round no matter what the season.



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

# MPU 1.6



## Premium quality – outstanding economy.

The new MCT sinker shape and a new sinker cam with double guidance enhance sinker life by up to 100%, guaranteeing an even fabric appearance and reliable tie-in of loops with reduced shearing waste.

## Perfect plating, tidy fabric reverse.

The special MCT-specific sinker shape and sinker control help to retension and ensure the reliable tie-in of loops. This ensures perfect plating every time. 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. And what's more, the MPU 1.6 also ensures reliable, precise plating of elastomer yarns.

## Exchange cams for reverse plating in the sinker cam.















The plush thread fully covers the fabric reverse. This allows plush fabric to be napped on both sides – the ideal solution for lightweight and voluminous jackets or sweatshirts.

## Even greater versatility due to exchange segments in the cylinder cam.

4 needle types and exchange segments open up the whole range of possibilities from sheared plush and terry, fleece and constructions through to vertical stripes. MCT-typical resetting speed and simplicity.

## Performance that pays dividends.

The MPU 1.6 knits 50 metres of extremely fine top quality plush per hour in gauge E 18 with a 30" diameter.

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+ 02/03, 2 units/feeder</li> <li>● 2 rings, 2 double drives, 1 single drive, 5 tapes</li> </ul>		<b>Yarn feeding</b> <ul style="list-style-type: none"> <li>● elastomeric plating</li> <li>● CONI SEP</li> <li>● coated yarn carrier</li> <li>● MCTmatic version</li> <li>● MCTmatic componens</li> </ul>
	<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 gg12 – 14 3,0 mm loop height gg16 – 22 3,0 mm loop height gg24 – 28 2,5 mm loop height</li> </ul>		<b>Needles/Sinkers</b> <ul style="list-style-type: none"> <li>● 4 types of cylinder needles (central stitch length butt)</li> <li>● Sinkers for loop heights (mm) 1,5; 1,8; 2,2; 2,5; 2,8; (gg16 – gg28) 3,0; 3,5; (gg12 – gg20)</li> <li>● Sinker for terry towel 2,2 mm (gg16 – 28)</li> <li>● sinkers for vertical stripes with cotton/PES (gg16 – 28)</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>● 1 A-cam/feeder</li> <li>● individual segments</li> <li>● positive needle guidance</li> <li>● channel cam parts</li> </ul>		<b>Cam parts</b> <ul style="list-style-type: none"> <li>● exchange cam parts for structures</li> <li>● Exchangeable sinker cams for - plain single jersey; - reverse plating (for gg16 – gg28)</li> </ul>
	<b>Frame</b> <ul style="list-style-type: none"> <li>● portal frame for 520 mm fabric rolls</li> <li>● for 42" 1-step platform</li> </ul>		<b>Frame</b> <ul style="list-style-type: none"> <li>● industrial frame for 920 mm fabric rolls</li> <li>● two-step platform 26" – 34"</li> <li>● for 42" portal platform 750</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 (26" – 34"); 5,5 KW (42")</li> <li>● 1 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>● SENSO 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>● Interface for MDA</li> <li>● Intus for MER and MPF</li> <li>● gauge/magnet fixing</li> <li>● sample cutter/weight scale</li> </ul>



<b>Cylinder diameters</b>	26"	30"	34"	42"
<b>Machine gauges</b>	E 12*, E 14*, E 16 – E 28			
<b>No. of feeders</b>	42	48	54	68
<b>Speed up to</b>	1.0 m/s (25 rpm at 30")			
<b>Minim. space requirement</b>	22 m <sup>2</sup>	24 m <sup>2</sup>	28 m <sup>2</sup>	31 m <sup>2</sup>
<b>Weight appr. kg</b>	2200	2400	2600	3200

\* on request

Subject to design changes.

Illustrations may depict accessories which are not included in the standard machine equipment.