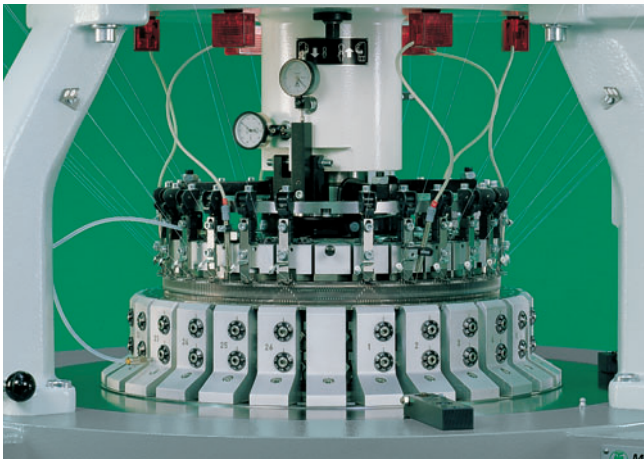


# IV 2.0



## Versatile, fast, low-cost bulk production of body-widths. For leisure and underwear.

**Double jersey constructions, interlock, rib and plated knits.**

High productivity with minimal input – the IV 2.0 is a simple, undemanding bodywidth machine offering all-round user convenience. As well as offering outstanding versatility and broad scope for individual application. Which means immediate production of just what the market wants: 10 constructions as standard from plain interlock through cross-tubular, to punto di Roma and double piqué. Supplementary exchange cams permit the production of interlock crossmiss, piqué, trainer, Milano rib, rib and double face. And that the IV 2.0 is also the right choice for top-quality standard and elastomer plating goes without saying. In bodywidths up to 24 inches in diameter.



**THE FUTURE  
IN KNITTING!**

**Mayer & Cie.**  
*Circular Knitting Machines*

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

## Flexible bodywidths – addressing the needs of the market.

Exchange cams and 2 needle tracks in the dial and cylinder cam open up exciting new possibilities.

## Positive needle guidance, gentle deflection.

The two needles of each type are positively guided in the cylinder and dial cam. The cam tracks are designed to ensure gentle deflecting action while permitting high operating speeds. The needles are reliably and smoothly guided, so considerably extending service life.

## Outstandingly simple, fast operation.

Individual segments encompassing all the cam elements for each feeder in the cylinder and dial cam mean reduced resetting times due to the interchangeability of all cam parts. With absolute fitting precision!

## Diagonally adjustable stitch cams.

Constant lateral latch turnover eliminates the need for yarn feeder resetting when adjusting the stitch-forming depth. The needle clearance height remains unaffected by the stitch length, so ensuring reliable press-off even when producing lightweight fabrics.

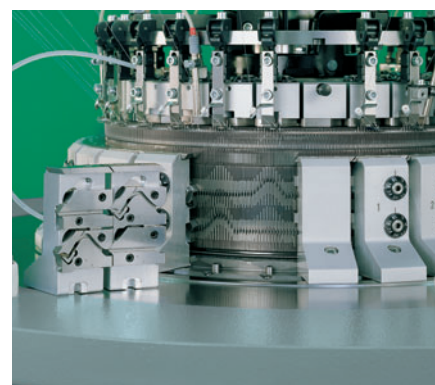
## Standard and elastomer plating.

The IV 2.0 supplies quality which pays dividends, also when plating on the dial needles.

## 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	
	<b>Creel</b>		<b>Creel</b> <ul style="list-style-type: none"> <li>● Top creel*</li> <li>● VARI-creel</li> <li>● VARI-creel with aluminium tubes</li> <li>● VARI-circular creel with aluminium tubes</li> <li>● double-end knitting</li> </ul>
	<b>Yarn feeding</b> <ul style="list-style-type: none"> <li>● CONI+ 03</li> <li>● 1 ring, 3 single drives, 3 tapes</li> </ul>		<b>Yarn feeding</b> <ul style="list-style-type: none"> <li>● CONI+ 03, 2 units/feeder</li> <li>● elastomeric plating in dial needle</li> <li>● MCTmatic componens</li> <li>● yarn carrier with ceramic tube (only for endless yarns)</li> </ul>
	<b>Needles/Sinkers</b> <ul style="list-style-type: none"> <li>● 2 types of cylinder needles</li> <li>● 2 types of dial needles</li> <li>● 5 mm delayed timing</li> </ul>		<b>Needles/Sinkers</b> <ul style="list-style-type: none"> <li>● Feinripp-package: 1 type dial-/cylinder needles with a small hook, cam parts for 1 needle track (till gg20)</li> <li>● Feinripp equipment instead of Interlock</li> </ul>
	<b>Cam parts</b> <ul style="list-style-type: none"> <li>● Cam segments made of perunal</li> <li>● cylinder cam box 1 A/1 C-cam/feeder</li> <li>● dial cam box 1 A/1 C-cam/feeder</li> <li>● diagonal stitch length adjustm.</li> <li>● synchronized and delayed timing</li> <li>● individual segments and needle door</li> </ul>		<b>Cam parts</b> <ul style="list-style-type: none"> <li>● exchange cams for support</li> <li>● exchange cam parts</li> <li>● cyl.: A,B,C,D,E; dial: A1,A2,B1,B2,C1, C2 (relief 2/3 per feed. recomm.)</li> <li>● 2nd stitch length area</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>● 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; 2,2 KW (14" – 18"); 4 KW (19" – 26")</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 with rolls and take down rollers for elastomer and sensitive yarns</li> <li>● folding device</li> <li>● Fabric work box (in case of an folding device standard till 24")</li> <li>● fabric box up to 24"</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>● VG 3</li> </ul>		<b>Control</b> <ul style="list-style-type: none"> <li>● 4/5-shift-counter</li> <li>● flutter blower</li> </ul>
	<b>Miscellaneous</b> <ul style="list-style-type: none"> <li>● Intus for CONI+ and CONI SEP</li> <li>● electr. supervision system with display (e.g. yarn feeding systems, oiler, safety guards and pneumatic unit)</li> <li>● needle detectors</li> </ul>		<b>Miscellaneous</b> <ul style="list-style-type: none"> <li>● Interface for MDA</li> <li>● Argus</li> <li>● gauge/magnet fixing</li> <li>● sample cutter/weight scale</li> <li>● Intus for MER and MPF</li> </ul>



<b>Cylinder diameters</b>	14"*, 15 – 22", 23"*, 24", 26"
<b>Machine gauges</b>	E15 – E24, E26*, E28
<b>No. of feeders</b>	appr. 2/inch (38 feeders at 20")
<b>Speed up to</b>	1.4 m/s (53 rpm at 20")
<b>Minimum space requirement appr.</b>	8 – 16 m <sup>2</sup>
<b>Weight appr.</b>	1100 kg – 2400 kg

\* on request

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