

# OVJA 1.6 ET (3WT)



## Jacquard electronic control with transfer for fashion versatility.

**Jacquard or rib constructions – top quality  
fashion fabrics**

The OVJA 1.6 E became a bestseller on the back of its universal versatility and high productivity. And because of its operating simplicity and reliability. Now its comprehensive patterning versatility has been further extended by the facility for producing transfer knits and the 3-way technique. Minimal resetting times due to electronic pattern resetting, and dial cam parts permitting adjustment from the outside turn downtime into profitable production time. Simple handling, reliable application.

Positive needle guidance, diagonal stitch formation and electronic individual needle selection all contribute towards high output of best quality jacquard.



**THE FUTURE  
IN KNITTING!**

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

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

# OVJA 1.6 ET (3WT)



## MCT full electronic control – simple, reliable, reproducible.

Electronic individual needle selection from Mayer & Cie. – tried and tested thousands of times over – uses only 2 magnets per feeder (3-way technique), making it absolutely reliable and extremely simple to use. Which turns costly resetting time into profitable production time while reducing the staffing requirement.

## Creative patterning, efficient production.

Minimal resetting times as a result of tried and tested Mayer & Cie. open up unlimited scope when it comes to creativity – especially in

conjunction with PIC 3. The dial cam can be set from the outside simply and quickly to 3 positions. The result: unique pattern versatility with and without transfer, simple resetting of the fabric reverse, efficient knitting – for even the smallest batch sizes.

## Positive needle guidance enhances jacquard quality.

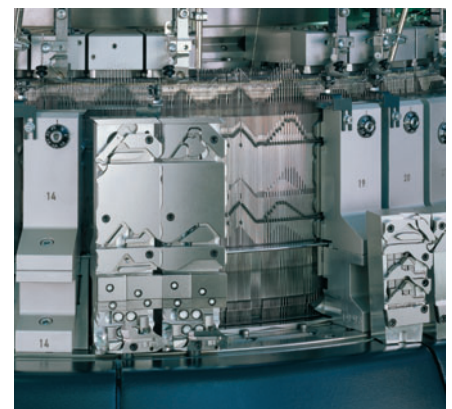
Greater stitch precision as a result of positive needle guidance and cylinder needles with movable butt (MCT patent) mean added operating reliability and stitch precision by ensuring smooth guidance and gentle needle deflection.

The elimination of double and drop stitches means lower needle wear, particularly at high production speeds, im-proved productivity and greater economy.

## 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		<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 SEP 03</li> <li>● 1 ring, 3 single drives, 3 tapes</li> </ul>		<b>Yarn feeding</b> <ul style="list-style-type: none"> <li>● CONI SEP 03 / 2 units per system</li> <li>● elastomeric plating in dial needle</li> <li>● lay-in yarn guide (only in combination with option full jacquard)</li> <li>● CONI+ 01</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 dial needles (central stitch length butt)</li> <li>● 1 type of cylinder needles with box spring</li> <li>● 2 magnets/knitting feeder, 1 magnet/transfer feeder</li> <li>● approx. 6,5 mm delayed timing (adjustable, gauge indication)</li> </ul>		<b>Needles/Sinkers</b> <ul style="list-style-type: none"> <li>● Needles with large hook without box spring (only in combination with option full jacquard)</li> <li>● needles for plating as of gg14 (standard in case of elast. plating)</li> <li>● blind needles* (pls. consider support cams)</li> </ul>
	<b>Cam parts</b> <ul style="list-style-type: none"> <li>● Cam segments made of perunal</li> <li>● dial 2 tracks (outside adjustable, 3 positions)</li> <li>● cylinder 1 needle track with full 3-way-technique miss/tuck/knit per feeder</li> <li>● transfer adjustment (at every 3rd feeder)</li> <li>● Cams for delayed timing for transfer feeders</li> </ul>		<b>Cam parts</b> <ul style="list-style-type: none"> <li>● knitting feeders every 3rd feeder (instead of transfer)</li> <li>● terry device at every 2nd feeder, up to gg22 only (only in combination with option full jacquard)</li> <li>● exchange cams for support</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> <li>● one-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</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>● fabric take-down with motor-drive (power – controlled)</li> <li>● rubber covered rollers</li> <li>● MCT trapezoid spreader</li> </ul>		<b>Take-down</b> <ul style="list-style-type: none"> <li>● folding device</li> <li>● fabric work box</li> <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>● working hour counter</li> <li>● central control for oiler, counter and peripheral accessories</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>● needle detectors</li> <li>● electr. supervision system with display (e.g. yarn feeding systems, oiler, safety guards and pneumatic unit)</li> <li>● battery in case of power failure</li> </ul>		<b>Miscellaneous</b> <ul style="list-style-type: none"> <li>● PIC 3-software</li> <li>● rapport and striper-software</li> <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>	30"	34"
<b>Machine gauges</b>	E 14 – E 18	
<b>No. of feeders</b>	32 + 16	36 + 18
<b>Speed up to</b>	0.8 m/s 20 rpm    18 rpm	
<b>Minim. space requirement</b>	22 m <sup>2</sup>	26 m <sup>2</sup>
<b>Weight appr.</b>	3500 kg	3700 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