



# OVJA 1.6 E (3WT)



## Universal, versatile – jacquard electronics using the three-way technique.

**Knit what fashion dictates: Structures, colour, tuck and relief jacquard, but also plush, single jersey and plated with float.**

Bestseller OVJA 1.6 E using the three-way technique now offers even more interesting pattern variety. Minimal resetting times as a result of electronic pattern resetting, as well as cams in the dial cam permitting adjustment from the outside both turn costly downtime into 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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# OVJA 1.6 E (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 times while reducing the staffing requirement.

## Creative patterning, efficient production.

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

especially in conjunction with PIC 3. The dial cam can be set quickly and simply into three positions. The result: A unique variety of patterns, simple resetting of the fabric reverse, efficient knitting – for even the smallest batch sizes.
















## Positive needle guidance enhances jacquard quality.

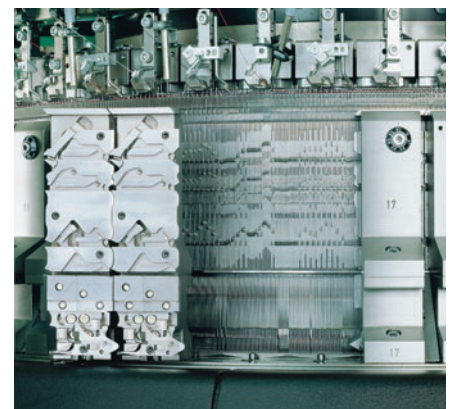
Greater stitch precision as a result of positive needle guidance and cylinder needles with movable butt (patented MCT development!) mean added operating reliability by ensuring smooth guidance and gentle needle deflection. The elimination of double and drop stitches

means lower needle wear, particularly at high production speeds, improved 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	
	<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> </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+ 01</li> <li>● elastomeric plating in dial needle</li> <li>● lay-in yarn guide up to max. 0,5/feeders</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 security butt)/control sinkers</li> <li>● 2 control magnets/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>● blind needles* (pls. consider support cams)</li> <li>● needles for plating as of gg14 (standard in case of elast. plating)</li> </ul>
	<b>Cam parts</b> <ul style="list-style-type: none"> <li>● Cam segments made of perunal</li> <li>● cylinder 1 needle track with full 3-way technique miss/tuck/knit per feeder</li> <li>● dial 2 tracks (outside adjustable, 3 positions)</li> <li>● positive needle guidance</li> <li>● exchange cams D1 for blister (2/3 feeders)</li> </ul>		<b>Cam parts</b> <ul style="list-style-type: none"> <li>● S/J float plated stitches*</li> <li>● terry device at every 2nd feeder, up to gg22 only</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>● temperature regulator from gg22 on</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 (26"– 36"); 5,5 KW (38"– 42")</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>● folding device</li> <li>● fabric work box</li> <li>● fabric cutting device</li> <li>● MCT trapezoid spreader rollers and take down rollers for elastomer and sensitive yarns</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>● gauge/magnet fixing</li> <li>● sample cutter/weight scale</li> <li>● Intus for MER and MPF</li> </ul>



<b>Cylinder diameters</b>	30"	34"	38"
<b>Machine gauges</b>	E 14 – E 28		
<b>No. of feeders</b>	48	54	60
<b>Speed up to</b>	0.9 m/s 23 rpm (at 30")		
<b>Minim. space requirement</b>	22 m <sup>2</sup> – 30 m <sup>2</sup>		
<b>Weight appr.</b>	3500 kg – 3800 kg		

\* on request

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