



# OVJA 1.6 ETR (3WT)



**At the forefront of fashion – jacquard electronic control with transfer and striping using the 3-way-technique.**

**Jacquard or rib constructions – fine quality fashion fabrics.**

The OVJA 1.6 ETR (3WT) offers an additional dimension and greater versatility to the bestseller OVJA 1.6 E with transfer, striping attachment and the 3-way-technique. Its comprehensive patterning possibilities mean staying abreast of the very latest fashion trends. With electronic individual needle selection in the cylinder and cam parts in the dial cambox offering simple adjustment from outside, the OVJA 1.6 ETR (3WT) can be reset to a different pattern in only seconds. The patterns are prepared on the PIC 3 with Windows user interface including the striping program, and then transferred to the machine in a matter of seconds – saving unproductive downtime. And with 48 feeders (32 + 16) for a 30 inch diameter, its productivity is outstanding.

Positive needle guidance, diagonal stitch formation and electronic individual needle selection with only one magnet per feeder (for typical Mayer reliability) all contribute towards high output of best quality jacquard.



**THE FUTURE  
IN KNITTING!**

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

**Mayer & Cie. GmbH & Co. KG**  
Tailfingen · Emil-Mayer-Straße 10 · D-72461 Albstadt  
Postal address: Postfach 20 15 80 · D-72438 Albstadt  
Tel. +49 (0)7432 7000 · Fax +49 (0)7432 700315  
E-mail: sales@mayercie.de · www.mayercie.com

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

# OVJA 1.6 ETR (3WT)



## Creative patterning, efficient production.

Minimal resetting times as a result of tried and tested Mayer & Cie. individual needle selection in the cylinder and cam parts permitting adjustment from the outside open up unlimited scope when it comes to creativity – especially in conjunction with PIC 3. The cylinder cam can be set from the outside to the positions miss-knit – knit, miss-knit – tuck and tuck – knit. The dial cam can be quickly and simply switched from the outside to knit-tuck or miss-knit. The result: unique pattern versatility with striping and 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 (patented MCT development!) mean added operating reliability and stitch precision by ensuring smooth guidance and gentle needle deflection. The elimination of double and dropped stitches means lower needle wear, particularly at high production speeds, improved productivity and greater economy.













## Striping technology – simple, reliable.

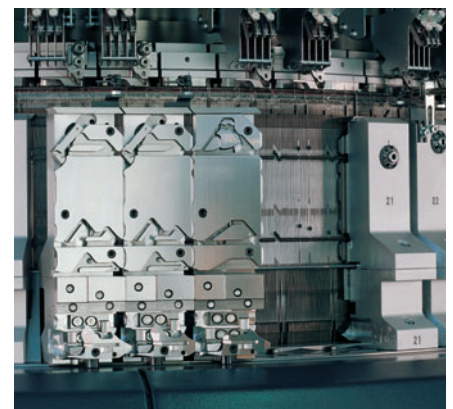
MCT striping technology is proof that simple

solutions are usually the most successful. MCT striping attachments can be used both in rib and single jersey machines. Making the knitting process more flexible and saving money.

## 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 single-end without reserve (not in combination with elast. or additional feeding units)</li> <li>● VARI-striper creel with aluminium tubes without reserve</li> <li>● VARI-striper creel with aluminium tubes with reserve</li> </ul>
	<b>Yarn feeding</b> <ul style="list-style-type: none"> <li>● CONI RS</li> <li>● 1 ring, 1 double drive, 2 tapes</li> <li>● intermediate stop motion</li> <li>● yarn stopmotion with cymbal brake and knotcatcher</li> <li>● 4 colour striper</li> </ul>		<b>Yarn feeding</b> <ul style="list-style-type: none"> <li>● CONI SEP instead of CONI RS (4 per cam box)</li> <li>● elastomeric plating in dial needle</li> <li>● CONI SEP</li> <li>● CONI+ 03</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> <li>● implant for dial</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>● exchange cams for support</li> <li>● 2nd stitch length area</li> <li>● terry device at every 2nd feeder (not in combination with striping)</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>
	<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>● 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>● 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>● SENS0 + 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> </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>	E14, E15, E16, E18	
<b>No. of feeders</b>	32 + 16	36 + 18
<b>Speed up to</b>	0.8 m/sec	
	20 rpm	18 rpm
<b>Minimum requirement appr.</b>	32 m <sup>2</sup>	36 m <sup>2</sup>
<b>Weight appr.</b>	3700 kg	3800 kg

Subject to design changes.

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

\* on request