

# OVJA 1.6 EE

Full Jacquard in design and structure.  
On both sides. Fully electronically!

NEW NEW NEW NEW NEW  
Available in  
38", 42" and 48"  
Diameter  
NEW NEW NEW NEW NEW

Patent applied for structures  
Patent No. EP 1975294 pending.  
US Patent No. 7536879 B2 for  
structures approved.

Created in Albstadt. Made in Germany!



*Always in fashion -  
Quality!*  
**Mayer & Cie.**  
Circular Knitting Machines



# OVJA 1.6 EE

**Knit what the market demands - with electronic single needle selection in cylinder and dial.**

The OVJA 1.6 E by Mayer & Cie. is a bestseller. As it is uniquely universal and highly productive. With the OVJA 1.6 EE patterning and structure possibilities can be increased significantly. Since the dial needles join the patterning – fully electronic controlled! This opens up ample scope for creativity. For latest fashion but above all also for the modern mattress fabrication.













Extremely short change-over times thanks to electronic pattern changes make even small batch sizes interesting. And the well-proven Mayer & Cie. electronics guarantee smooth production of large batches in top jacquard quality.

<b>Cylinder diameter</b>	30*" 34*" 36*" 38" 42" 48"
<b>Machine gauges</b>	E18, E20, E22* – E28*
<b>No. of feeders</b>	1,6/inch (48 feeders at 30")
<b>Speed up to</b>	0,8 m/s (20 rpm at 30")
<b>Minim. space requirement</b>	19 m <sup>2</sup> – 35 m <sup>2</sup>
<b>Weight appr.</b>	3200 kg - 4000 kg

\*on request



# Specifications and facts:

STANDARD		OPTION	
	<b>Creel</b>		<b>Creel</b> <ul style="list-style-type: none"> <li>● Flexcreel without tubes</li> <li>● Flexcreel with alu-tubes</li> <li>● Flexcreel-circular creel with alu-tubes</li> <li>● air-jet for Flexcreel</li> </ul>
	<b>Yarn feeding</b> <ul style="list-style-type: none"> <li>● 1 ring</li> </ul>		<b>Yarn feeding</b> <ul style="list-style-type: none"> <li>● MPF 30</li> <li>● elastomeric plating in dial tube</li> <li>● lay-in yarn guide</li> <li>● elastomeric plating in cylinder needle</li> <li>● jacquard feeding units</li> </ul>
	<b>Needles/Sinkers</b> <ul style="list-style-type: none"> <li>● 1 type of dial needles with control sinkers</li> <li>● 1 type of cylinder needles (with security butt)/control sinkers</li> <li>● 1 selection magnet in dial and 1 selection magnet in cylinder cambox / feeder</li> <li>● approx. 5,5 mm delayed timing (adj., gg indication)</li> </ul>		<b>Needles/Sinkers</b>
	<b>Cam parts</b> <ul style="list-style-type: none"> <li>● cam segments made of perunal</li> <li>● dial 1 needle track with 2-way-technique</li> <li>● cyl. 1 needle track with 2-way-technique</li> <li>● cyl.: slider cams for miss-knit, miss-tuck, tuck-knit</li> <li>● dial: exchange cams for miss/knit</li> </ul>		<b>Cam parts</b> <ul style="list-style-type: none"> <li>● 2nd stitch length area</li> <li>● exchange cams for dial cam box</li> </ul>
	<b>Frame</b> <ul style="list-style-type: none"> <li>● portal frame for 520 mm fabric rolls</li> <li>● temperature controlled</li> <li>● sliding platform at 42" + 48"</li> </ul>		<b>Frame</b> <ul style="list-style-type: none"> <li>● industrial frame for 920 mm fabric rolls</li> <li>● giant frame for 1250 mm fabric rolls up to 38"</li> <li>● sliding platform</li> <li>● open-width frames</li> <li>● industrial open-width frame</li> <li>● steps for the open-width frame</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"); 7,5 KW (48")</li> <li>● 4 KW peripheral units</li> <li>● machine controller with colour display, touch screen and USB-port</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> <li>● fabric light in the side legs</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>● MCT trapezoid spreader with rolls and take down rollers for elastomeric and sensitive yarns</li> <li>● fabric cutting device</li> <li>● MFT- multi function take-down</li> </ul>
	<b>Control</b> <ul style="list-style-type: none"> <li>● SENSO P press.oiler (oil: VG 22 VI 110±20)</li> <li>● 3-shift counter</li> <li>● working hour counter</li> <li>● centr. control for oiler, counter and periph. access.</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>● needle detectors</li> <li>● electr. supervision system with display (e.g. yarn feeding syst., oiler, safety guards and pneum. unit)</li> <li>● battery in case of power failure</li> <li>● Datatransfer via Bluetooth (Stick to be provided by customer)</li> </ul>		<b>Miscellaneous</b> <ul style="list-style-type: none"> <li>● MDS 1 (Mayer Design Software)</li> <li>● gauge/magnet fixing</li> <li>● Intus for MER and positive feeding units</li> <li>● measurement device of yarn length ratio of elastomeric yarn</li> <li>● MDA.web software for machine data acquisition</li> <li>● Interface for MDA</li> </ul>

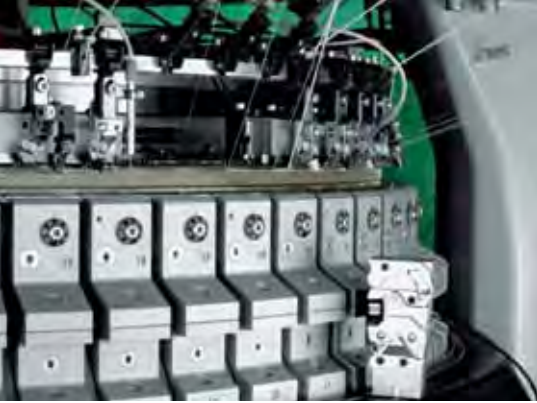
\* on request

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



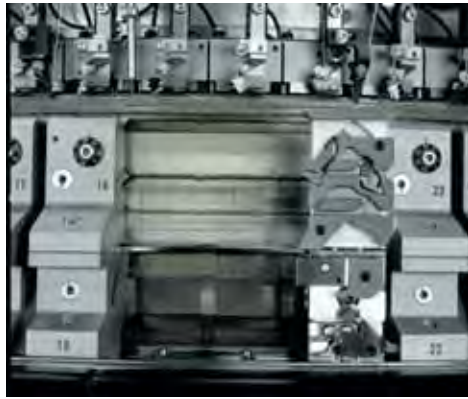
### Creative patterning, efficient knitting.

The electronic single needle selection in cylinder and dial cams give you boundless creativity. The OVJA 1.6 EE knits rib jacquard in all possible constructions and patterns, because the dial needles knit the pattern too. The change-over times are minimal and the new MDS 1 software can be used to create patterns easily and transfer them directly from laptop to the machine. Simply ideal for creative fashion and high-quality mattress production.



### Positive needle guidance enhances jacquard quality.

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, improved productivity and greater economy.



### High performance in both quality and output – also with open-width.

With the increasing use of modern synthetic fabrics and elastomer plating, open-width technology is gaining in importance. Mayer & Cie. open-width devices are designed to match the stringent technical, quality and performance standards of the circular knitting machines. MCT open-width take-down systems achieve up to 40 rpm in continuous operation

both in the mechanical and the electronic version. With the utmost reliability. This type of high-speed open-width technology calls for a highly stable frame construction. New drive systems, special inverters, internally developed and modified MCT software, a speed-controlled braking system and suitably designed take-down bearings are just some of the reasons for the ground-breaking new standards set by Mayer & Cie. open-width devices.

The open-width frame is also optionally available for fabric rolls up to 600 mm.



### MCT full electronics - Simple, safe and reproducible.

The Mayer & Cie. system of electronic single needle selection with just one magnet per feeder, which is patented world-wide, is considered exemplary by users, and has been well-proven in thousands of machines. It operates absolutely reliably and is simple to operate. It turns change-over times into profitable production time.

### Simple Operation via Touch Screen Display.

The state-of-the-art, clear touch screen display, which has a USB port and permits the wireless transmission of patterns via a Bluetooth adapter, guarantees easy-to-understand prompting. At 2 GB it has a high memory capacity. Software updates can be carried out by the user without having to use the MCT service.



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