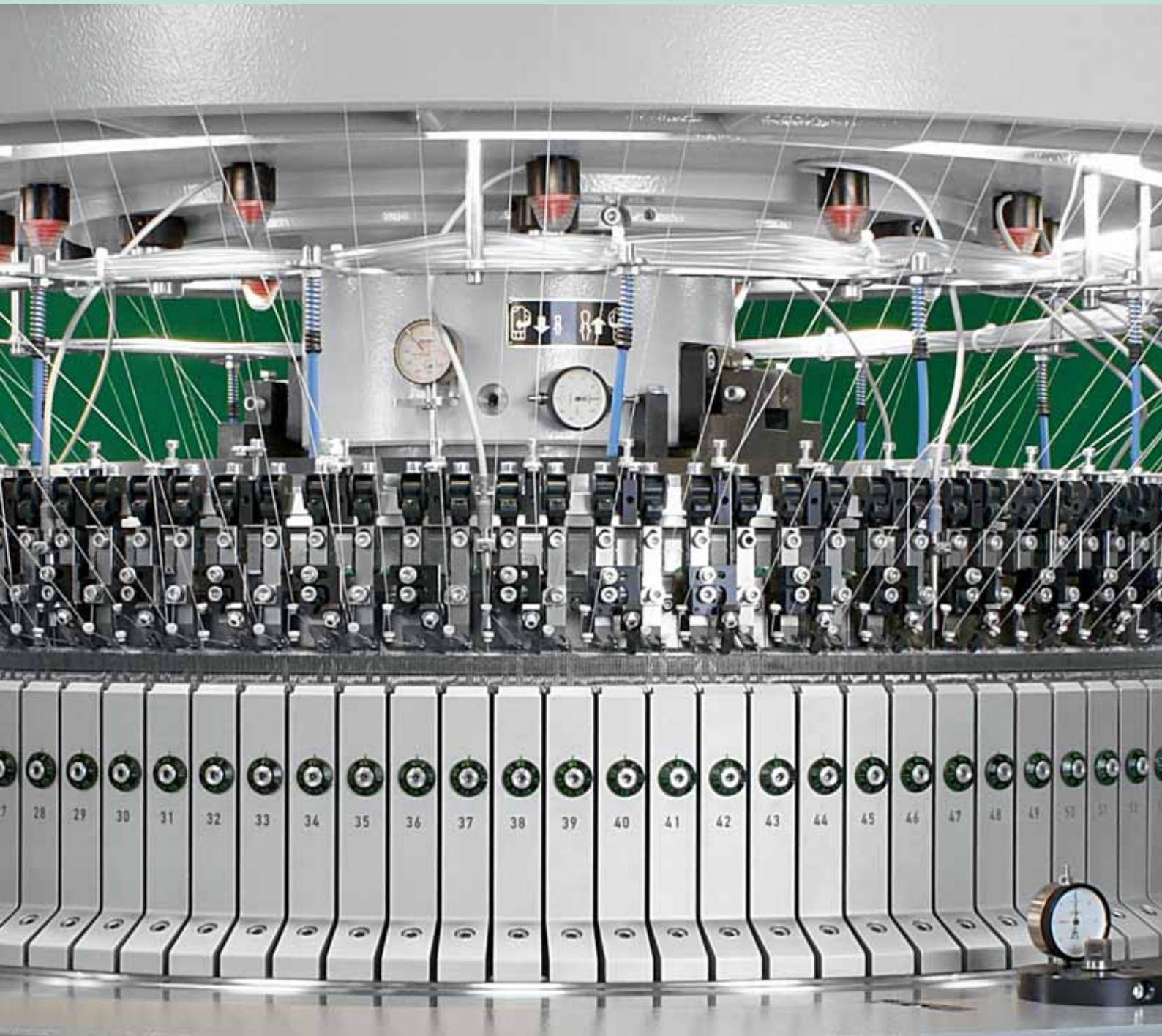


OV 3.2-6 M

Knitting with 6 Needle Tracks – Quality and Quantity. The Specialist for Mattress Covers.



Created in Albstadt. Made in Germany!



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

OV 3.2-6 M

Flexible mattresses offering point elasticity require highly flexible covers.

Basic structured cover fabrics are elastic in 2 directions and thus provide optimum support for modern mattresses. Circular knitting machines from Mayer & Cie. are ideal for the production of cover fabrics because they have been specially developed for mattress production and ensure highly productive operation.

**The OV 3.2-6 M is highly productive:
Up to 76 metres per hour¹⁾.**

When it comes to the manufacture of mattress cover fabrics, Mayer & Cie. has risen to the occasion with a further development of the OV 3.2 QC, a machine which has proven its worth thousands of times over, and produced a solution specially equipped for this area of production. The result: with a rotational speed of 30 rpm at 36" in continuous production and 114 feeders, the new OV 3.2-6 M sets new standards in productivity and efficiency. Every second feeder can be fitted with lay-in yarn guides in a configuration specially designed for mattress cover fabrics. The OV 3.2-6 M is also an extremely convincing machine when it comes to simple operation.















Cylinder diameter	34"*	36"
Machine gauges	E 18, E 20	
Number of feeders	108	114
Speed up to	1.4 m/s 30 rpm at 36"	
Minimum space requirement appr.	32 m ²	35 m ²
Weight appr.	3.100 kg	3.300 kg

¹⁾Efficiency 85%

*on request



Specifications and facts:

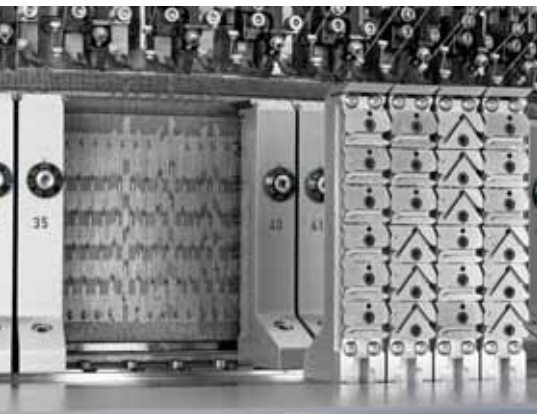
STANDARD		OPTION	
	Creel		Creel <ul style="list-style-type: none"> ● VARI-creel ● VARI-creel with aluminium tubes ● VARI-circular creel with aluminium tubes
	Yarn feeding <ul style="list-style-type: none"> ● MPF 30 ● 2 rings, 3 double drives, 6 tapes 		Yarn feeding <ul style="list-style-type: none"> ● MCTmatic components
	Needles/Sinkers <ul style="list-style-type: none"> ● 4 types of cylinder needles ● 2 types of dial needles ● synchronized timing 		Needles/Sinkers <ul style="list-style-type: none"> ● 6 types of cylinder needles ● 3 mm delayed timing
	Cam parts <ul style="list-style-type: none"> ● cam segments made of perunal ● individual segments ● for Interlock only - cams each per feeder: 0,5 A 1-G, A 2-G, 0,25 C 1, C2, D 1, D 2, 2 ZA, ZCN 		Cam parts <ul style="list-style-type: none"> ● exchange cams for structures ● exchange cams for delayed timing
 	Frame <ul style="list-style-type: none"> ● portal frame for 520 mm fabric rolls ● »Quick-Change« facility for easy gauge conversion 	 	Frame <ul style="list-style-type: none"> ● industrial frame for 920 mm fabric rolls ● two-step platform ● giant frame for 1250 mm fabric rolls (30-34")* ● open-width frames ● industrial open width frame ● sliding platform ● steps for the open-width frame ● sliding doors for open-width frame
	Drive/Electric <ul style="list-style-type: none"> ● frequency controlled drive (AC) ● 400 V, 50/60 Hz; 4 KW (34"); 5,5 KW (36") ● 1 KW peripheral units ● central processor unit with colour display ● control voltage 24 V 		Drive/Electric <ul style="list-style-type: none"> ● 200 - 260 volt ● 346 - 600 volt ● fabric light in the side legs
	Take-down <ul style="list-style-type: none"> ● adjustable take-down with positive drive ● rubber covered rollers ● MCT trapezoid spreader 		Take-down <ul style="list-style-type: none"> ● MCT trapezoid spreader with rolls and take down rollers for elastomeric and sensitive yarns ● fabric cutting device ● EPA take-down system ● steel rollers
	Control <ul style="list-style-type: none"> ● SENSO P pressure oiler (oil: VG 22, VI 110± 20) ● 3-shift counter ● working hour counter ● central control for oiler, counter and peripheral accessories ● stationary and rotating lintblower (air: min. 6 bar, 250 l/min.) ● peripheral equipment control by display ● VG 3 		Control <ul style="list-style-type: none"> ● 4/5-shift-counter ● flutter blower
	Miscellaneous <ul style="list-style-type: none"> ● needle detectors ● electr. supervision system with display (e.g. yarn feeding syst., oiler safety guards and pneumatic unit) 		Miscellaneous <ul style="list-style-type: none"> ● Interface for MDA ● gauge/magnet fixing ● Intus for MER and positive feeding units ● MDA.web software for machine data acquisition

*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.

Versatile and highly productive.

With 6 needle tracks in the cylinder cam and 2 in the dial cam, the OV 3.2-6 M is capable of knitting a variety of superior-quality structures. Exchange cams are provided for individual adaptation to structures and fabric weight. Positive needle guidance and smooth deflection in the cam track relieve any stress on the needles and ensure that precision stitches are realised, even at high outputs. High rotational speeds can therefore be achieved safely and reliably during continuous production.



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.

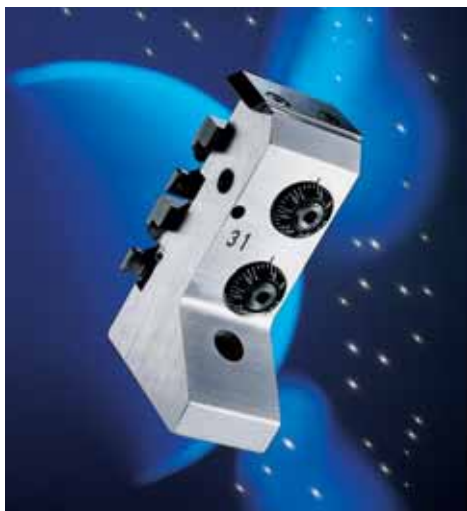
The open-width frame is also optionally available with sliding doors for reduced space requirement.

High output also demands the simplest and most reliable control.

A high-performance Overnit double jersey machine must be simple and easy to control. The OV 3.2-6 M is also exemplary in this respect. Entire feeders can be converted during structure changes, meaning that cam changing can be dispensed with in part. Yarn guides can be swivelled outwards for rapid and safe threading and are mounted on a ring to facilitate centralized adjustment. Dial height is indicated precisely on a gauge. The colour control display meets the latest standards

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.



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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

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