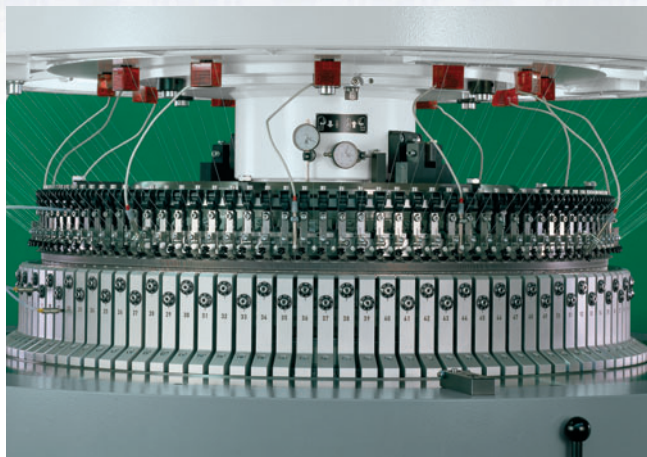




# IG 3.2 QC



## High-performance Interlock without restrictions!

**Give the market the Interlock it wants – with production flexibility.**

Mayer & Cie. sets its own stringent standards! Reliable, high-performance production of Interlock with maximum operator convenience – these are the essential features of the IG 3.2 QC. The ability for a flexible response to market demands is another benefit offered by the IG 3.2 QC with its wide scope for different structures. Delayed and synchronous timing can also be regulated using exchange cams to produce a wide spectrum from loose to extremely tight-knit fabrics.

Which makes the IG 3.2 QC as close to the ideal flexible high-performance interlock circular knitting machine as it gets. It processes cotton with the same ease and high output as synthetic yarns. The needle shape and positive needle guidance are optimized for the best possible performance.

Armed with these benefits, the IG 3.2 QC represents the current Interlock standard for high productivity plus quality – a sure winner in today's tough competitive environment. Equipped with Quick-Change, quick conversion to different gauge ranges is simplicity itself! In the high standard of Mayer quality you have come to expect!



***THE FUTURE  
IN KNITTING!***  
**Mayer & Cie.**  
**Circular Knitting Machines**

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



# IG 3.2 QC



## High performance and endurance.

Bulk producers need a machine they can rely on day in, day out. The IG 3.2 QC is built as a fast long-distance runner, not for short sprints. The needle tracks and the needle shapes were developed especially to cope with high speeds. The IG 3.2 QC achieves a maximum output of 1.4 m/s – which with 96 feeders (30") means bulk production in the true sense.

## Flexibility for a keener competitive edge.

Delayed timing up to max. 4 mm or synchronous timing and the facility to adjust the dial height between 0.5 mm and 2.0 mm mean that the IG 3.2 QC is capable of knitting whatever the market demands – from the loosest to the closest-

knit fabrics. And it is just as much at home with cotton as with synthetics. With a gauge of up to E 44 and high-grade yarns, for instance, it produces premium quality bedclothes at reasonable cost.

## Gauge changeover with Quick-Change – quick and simple.

For different gauge ranges, Quick-Change uses a simple fixture for fast, reliable removal and mounting of the cylinder and dial. Which means added flexibility.

## Fine Touch –

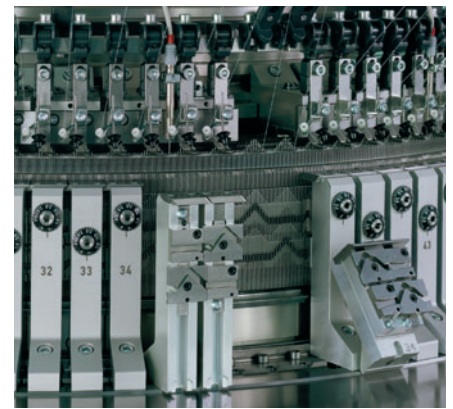
### as fine as silk, as elastic as knitted fabric.

With gauges as fine as 38 and 44 (cylinder diameters 30" and 34") you achieve the "knitted silk effect". With ultra-fine two-sided surfaces the fabrics appear like woven.

## 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+ 02</li> <li>● 2 rings, 4 single drives, 4 tapes</li> <li>● yarn carrier with ceramic tube (only for endless yarns) gg 38 – 44</li> </ul>		<b>Yarn feeding</b> <ul style="list-style-type: none"> <li>● elastomeric plating in dial needle</li> <li>● MCTmatic components</li> <li>● yarn carrier with ceramic tube (only for endless yarns) gg 18 – 32</li> </ul>
	<b>Needles / Sinters</b> <ul style="list-style-type: none"> <li>● 2 types of cylinder needles</li> <li>● 2 types of dial needles</li> <li>● 4 mm delayed timing</li> </ul>		<b>Needles / Sinters</b>
	<b>Cam parts</b> <ul style="list-style-type: none"> <li>● Cam segments made of perunal</li> <li>● dial cam box 0,5 A1/A2/C1/C2-cams/feeder</li> <li>● cylinder cam box 96 A/96 C-cams/feeder</li> <li>● individual segments</li> </ul>		<b>Cam parts</b> <ul style="list-style-type: none"> <li>● exchange cams for: <ul style="list-style-type: none"> <li>- synchronized timing (for loos and cross tubular knit fabric)</li> <li>- interlock structures</li> <li>- 2nd stitch range</li> </ul> </li> <li>● gauge conversion »Quick-Change«</li> </ul>
	<b>Frame</b> <ul style="list-style-type: none"> <li>● portal frame for 520 mm fabric rolls</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> <li>● Open-width frame for 330 mm fabric rolls</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 (30" – 34"); 5,5 KW (36" – 38")</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>● 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 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>● central control for oiler, counter and peripheral accessories</li> <li>● working hour counter</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> </ul>		<b>Miscellaneous</b> <ul style="list-style-type: none"> <li>● Interface for MDA</li> <li>● ARGUS</li> <li>● gauge / magnet fixing</li> <li>● sample cutter / weight scale</li> <li>● Intus for MER and MPF</li> </ul>



Cylinder diameters	30"	34"	36"	38"
<b>Machine gauges</b>	E 18 – E 24, E 26*, E 28, E 32*, E 38*, E 44*			
<b>No. of feeders</b>	96	108	114	122
<b>Speed up to</b>	1,4 m/s			
<b>Minim. space requirement</b>	19 m <sup>2</sup>	21 m <sup>2</sup>	24 m <sup>2</sup>	26 m <sup>2</sup>
<b>Weight appr. kg</b>	2400	2500	2600	2800

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