

Ring spinning
The Rieter ring spinning portfolio



The Rieter Ring Spinning Portfolio

Flexible solutions to suit all requirements



The Rieter Ring Spinning Portfolio in **COMPARISON**

Rieter offers a comprehensive ring spinning portfolio that meets a wide variety of customer needs and market requirements. With this portfolio, spinning mills can produce yarn in a more profitable, efficient and sustainable manner, as well as flexibly react to rapidly changing market requirements.

The ring spinning machines G 37 and G 38 and the configuration of the G 37 with 1 200 spindles have different advantages. Depending on the customer's current requirements, several solutions are available – solutions that can be flexibly upgraded with automation functions such as the piecing robot ROBOspin or with a compacting device that can be easily plugged in and out again. This means that every spinning mill can find the application that best suits its needs.

	Conversion costs	Flexibility	Automation	Productivity
G 37	 <p>Max. 1824 spindles HPS 25 spindle Top quality aprons</p>	 <p>Compacting devices Special yarns Machine upgrade</p>	 <p>Semi-electronic drafting drive ISM basic / ESSENTIAL ROBOspin</p>	 <p>Spindle speed 25 000 rpm 55-90 kW main motor Intermediate drive IMD</p>
G 37 1 200	 <p>Max. 1200 spindles HPS 22 spindle Economic aprons</p>	 <p>Compacting devices Special yarns Machine upgrade</p>	 <p>Semi-electronic drafting drive ISM basic / ESSENTIAL ROBOspin</p>	 <p>Spindle speed 22 000 rpm 55-90 kW main motor No intermediate drive IMD</p>
G 38	 <p>Max. 1824 spindles HPS 25 spindle Top quality aprons</p>	 <p>Compacting devices Special yarns Unlimited yarn count range</p>	 <p>Fully electronic drafting drive ISM premium / ESSENTIAL ROBOspin</p>	 <p>Spindle speed 25 000 rpm 55-110 kW main motor Intermediate drive IMD</p>

Ring Spinning Machine G 37

The economical solution for low production costs

The ring spinning machine G 37 with the semi-electronic drafting system meets all requirements for efficient yarn production. It is the perfect solution for spinning mills producing the same types of yarn over a long period of time. It scores points with its consistent performance and high productivity. The integrated individual spindle monitoring ISM basic guides the operator straight to the spindles with ends down, saving 3% of the personnel cost. The yarn parameters can be quickly and flexibly changed at the operating unit. The machine can be upgraded with the compacting devices COMPACTapron, COMPACTdrum or COMPACTeasy, or with the fully automated piecing robot ROBOspin, at any time. For all machine lengths, the G 37 can be supplied with systems for slub yarns, core yarns and twin yarns.

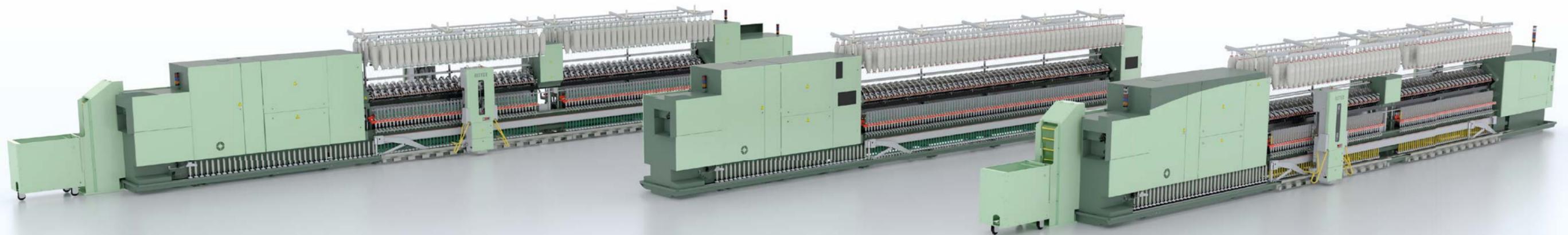
Best offer configuration of the G 37 with 1 200 spindles

The new configuration of the G 37 with 1 200 spindles offers an attractive level of value for money. It can be integrated into an existing system to save space or can replace older machines. This configuration uses the Novibra spindle HPS 22, which is capable of reaching speeds of up to 22 000 rpm. The durable Bräcker spinning rings and proven Rieter aprons ensure consistent yarn quality and a reduction in machine downtimes. Even on this shorter configuration, the individual spindle monitoring ISM basic is installed as standard.

Ring Spinning Machine G 38

The automated all-rounder for all yarn types

The ring spinning machine G 38 with up to 1 824 spindles and a fully electronic drafting system is setting new standards for the flexible production of high-quality yarns. It is particularly sought after by spinning mills that have to adapt quickly to new market conditions and therefore regularly switch yarn types. Parameters such as yarn count, yarn twist and twist direction can easily be adjusted on the operating unit. The G 38 features the integrated individual spindle monitoring system ISM premium. In comparison to ISM basic, ISM premium controls other parameters in addition to the ends down. The system can save approx. 5% of personnel cost as unnecessary inspection rounds are eliminated. The process becomes even more efficient when ISM transmits information on the ends down position directly to the piecing robot ROBOspin. It is also possible to use compacting devices and produce special yarns.



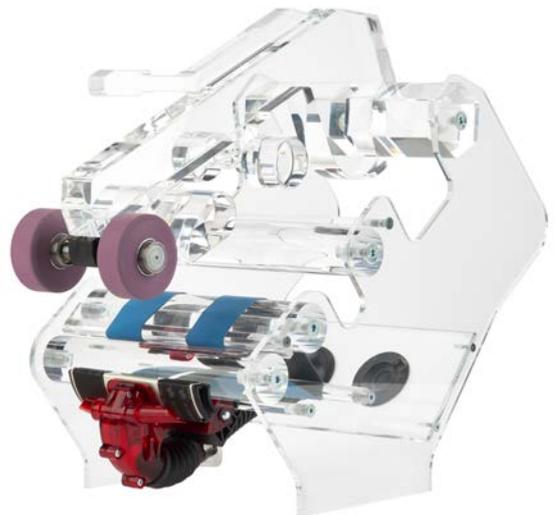
Rieter Compacting Devices

Spinning ring yarns and compact yarns using the same machine

Spin ring yarn one day and compact yarn the next – all on the same machine. The compacting devices COMPACTapron, COMPACTdrum and COMPACTeasy make it possible. They can be easily plugged into a ring spinning machine and unplugged just as quickly. The compacting devices can be incorporated into the specifications for new ring spinning machines and supplied as part of the machine. Machines that have already been installed can be easily retrofitted.

COMPACTapron: optimal yarn strength thanks to new 3D technology

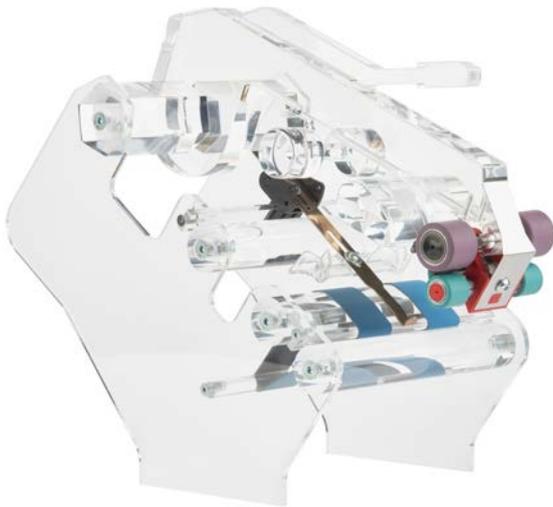
COMPACTapron is the perfect choice for customers who want to spin compacted yarns with maximum strength. Innovative 3D technology means that this compacting system is able to offer up to 1 cN/tex higher yarn tenacity than conventional compacting systems and is therefore setting new benchmarks in the sector. The three-dimensional compacting uses an airflow to compact the fibers from all sides.



COMPACTdrum: a new dimension in reducing hairiness

COMPACTdrum is the ideal solution for products in which minimum yarn hairiness is important, as well as for markets where energy costs are relatively high and maximum productivity is essential. This compacting device uses less than one watt of energy per spindle. All technology components are durable and require little maintenance.





COMPACTeasy: a mechanical system with low investment costs

COMPACTeasy is a mechanical compacting system for all standard applications. Despite the intensive double compacting, the system does not require any additional energy. It stands out thanks to its low investment cost. The yarn parameters are significantly improved in comparison to conventional ring yarns and other mechanical compacting systems. COMPACTeasy is the ideal solution for customers who want to spin standard fibers – in particular man-made fibers and their blends – into compact yarns.

Piecing Robot ROBOspin

Increased production through automation

ROBOspin is the piecing robot for Rieter ring spinning machines and compact-spinning machines. One fully automated robot per machine side very rapidly repairs ends down that occur while the machine is running or during doffing. The robot receives the required information from the integrated individual spindle monitoring system ISM. For cotton, the piecing efficiency in the first attempt reaches over 80%. In the second attempt, auxiliary yarn is used. This achieves an additional 10% efficiency. Piecing with auxiliary yarn helps to protect the sensitive yarn layers and therefore improves quality. Automating this process with ROBOspin ensures a high level of productivity around the clock, reduces personnel cost and makes the operational organization of the spinning mill more straightforward.





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G 37

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