

Rieter presents a new G 32 ring spinning machine

At the ITMA ASIA + CITME 2010, Rieter will demonstrate its technology and innovation at Hall W2 on the B 03 Stand. As leading supplier of machines and plants for the processing of short staple fibers, Rieter will be presenting its entire production range; live on the stand, the new G 32 ring spinning machine will be shown alongside the E 66 comber, which has been successfully established on the market. In addition to these two main attractions, exhibits on the stand will include samples and end products from ring yarn, Com4® compact yarn, ComfoRo® rotor yarn ComforJet® air-jet yarn.

Rieter customers profit from the technology know-how across all process stages from the spinning mill up to the textile end product.

Live on the Rieter Stand G 32 ring spinning machine

With the presentation of the new G 32 ring spinning machine at the ITMA Asia, Rieter is responding to the needs of the new markets. It is a response to the requirements for dependability, modern technology and quality. This machine is a new development. With up to 1440 spindles and an excellent price/performance ratio, it has been specifically targeted to fulfil the needs of the new markets. The familiar production quality and efficiency of Rieter ring spinning machines is reflected in the G 32 and is achieved due to the well-established functions such as the automatic cop change ROBODoff or doffing without unwinding with the SERVOfrip.



G 32 ring spinning machine, to be displayed live on the Rieter exhibition stand.

E 66 combing machine

72 kg/h combed sliver – that is the real performance of the E 66 semi-automatic combing machine. This was developed on the basis of the wide experience gained over recent years with the more than 7800 combing machines sold.



E 66 combing machine, to be displayed live on the Rieter exhibition stand.

Together with the Computer-Aided-Process-Development – C•A•P•D500 – the combing process is optimized with regard to movement, applied load, air and power consumption. The high performance of 72 kg/h is achieved with 500 nips/min, 80 g/m lap sheet fineness, ideal running behaviour and highest quality.

Key products in detail

A 11 UNIfloc automatic bale opener

The foundations for yarn quality and thus the quality of the textile end product are laid in the blowroom process. This is the basis of the successful use of Rieter's UNIfloc A 11 automatic bale opener worldwide.



A 11 UNIfloc.

The UNIfloc A 11 processes the fiber material gently and efficiently into microtufts, from which impurities can be removed very readily in the subsequent processes. This effectively supports the quality and economic efficiency of yarn manufacture.

B 12 UNIClean pre-cleaner

The UNIClean B 12 pre-cleaner cleans the microtufts in the first cleaning stage immediately after the UNIfloc A 11. This enables machine output of up to 1400 kg/h to be achieved. Cleaning is performed without nipping and is therefore very gentle to the fibers and at the same time efficient. VarioSet enables waste volume and waste composition to be adjusted optimally at the push of a button.

B 71 / B 75 UNImix homogeneous mixer

The B 71 / B 75 UNImix guarantees homogeneous, intimate mixing of the bale feed, even with unfavorable bale lay-down. The unique 3-point mixing process



B 75 UNImix.

is equally suitable for cotton and man-made fibers. Eight mixing chambers ensure not only effective mixing, but also high output and large storage capacity. Disturbances during bale take-off are prevented from having an adverse impact on subsequent processes.

UNIBlend precision blender

The UNIBlend A 81 precision blender sets the highest standard for multi-component blending with an accuracy featuring less than 1% deviation. The UNIBlend A 81 enables four different carding lines to be supplied with different blends. The maximum output of the A 81 is 1000 kg/h. Processing a large number of different staple fibers facilitates a rapid and economical response to fashion trends.

C 60 high-performance card

With its unique geometry in the carding zone, the C 60 high-performance card provides one of the main building blocks for achieving financial success. With a working width of 1500 mm, output by the C 60 card is up to 50% higher than on conventional models – and is combined with superior sliver quality. The ratio of output to energy and space requirements is revolutionized by the C 60.



C 60 Card

The C 60 card is available with coiler (CBA), integrated drawframe without leveling (SB module) and in the autoleveling version (RSB module) for use in the OE direct process.

SB-D 11 single-head drawframe – Compact single-head drawframe with superior price/performance ratio

The SB-D 11 is the new Rieter single-head drawframe without autoleveling for delivery speeds of up to 1 100 m/min. In terms of productivity it is designed for use in line with the RSB-D 40. The striking features of this new development are its compact size, excellent sliver quality and low capital investment per kg of sliver. The automatic linear can changer for can formats of up to 1 000 mm enables a high degree of running autonomy to be achieved. Ease of operation and good accessibility ensure low maintenance effort.

RSB-D 22 double-head autoleveler draw frame – Single-head autoleveling quality on two heads

Rieter is complementing its draw frame portfolio with the RSB-D 22 double-head autoleveler draw frame featuring a maximum delivery speed of 2 x 1 100 m/min. Its completely independent machine sides and autoleveling functions are a unique feature in a double-head autoleveler draw frame. Each head therefore produces exactly the same quality and output that have become the benchmark from the RSB-D 40 single-head draw frame. Further advantages are: reduced space requirements, low energy consumption and lower capital cost..

SB/RSB-D 40 draw frame – Milestones in draw frame technology

Rieter has again achieved a quantum leap in draw frame technology with the new RSB-D 40 draw frame. With improved scanning, autoleveling dynamics and innovative drafting system extraction it delivers superior quality values at up to 1100 m/min. Long operating periods without cleaning are possible with the CLEANcoil coiler when processing man-made fibers. Automatic autoleveling adjustment with AUTOset reduces manual



RSB-D 40 Draw Frame

tests in the laboratory. The AUTOhelp spectrogram diagnostic system displays causes of faults graphically on the machine panel. Energy consumption is up to 10% lower than for the predecessor model.

E 35 OMEGAlap combing preparation – Quantum leap in combing preparation

The E 35 OMEGAlap combing preparation machine offers maximum output and economy. Lap production is based on a completely new technology. The core element is a belt winding system. The belt specially developed for this purpose is wrapped around the lap as it builds up. This results in optimum distribution of contact pressure over the circumference of the lap. This enables uniformly built-up laps of optimum quality to be produced with maximum productivity.



E 35 OMEGAlap.

K 45 compact spinning machine – For fully compacted yarns

The K 45 ComforSpin machine is a further milestone in compact spinning technology. The functions of the mill-proven K 44 predecessor model have been augmented by further optimizations and innovations. The lead over competitors has been extended by additional spinning technology features and a powerful, high-quality machine.

R 40 fully automated rotor spinning machine – Leading in technology and economy

The fully automated R 40 rotor spinning machine offers high productivity potential with up to 500 spinning positions and with up to 4 high-speed robots. Leadership in uniform yarn quality is achieved through state-of-the-art spin-



R 40 Rotor Spinning Machine.

ning technology and AEROpiecing® for yarn-like piecings. Energy-saving drives and a fully developed operating concept reduce running costs to a minimum, creating the ideal preconditions for long-term, successful operation.

R 923 semi-automatic rotor spinning machine – Alternative in rotor spinning

The R 923 rotor spinning machine is an economical alternative for producing quality yarns in the yarn count range from Ne2 to Ne40. Supplementary equipment such as Qtop® for superior fiber preparation, AUTOvac for vacuum monitoring and the Rieter IQplus® yarn clearer complete the attractive offering.

J 10 Air-jet spinning machine – Quality and uniqueness hand in hand with top productivity

The J 10 air-jet spinning machine presents an innovative technology that is also based on Rieter's leading and proven know-how in the area of drafting and automation. J 10's modular and double-sided concept enables top level production flexibility.



J 10 Air-Jet Spinning Machine.

The unique quality features of the ComforJet® yarn manifest benefits for spinners, in processing and for final end-users. High speed features in yarn delivery and winding put this machine at the top of the productivity rate scale.

SPIDERweb – Innovative mill monitoring from blowroom to spinning machines

Rieter has developed an innovative information and data collection system in the shape of SPIDERweb. Machines and the data system come from a single source and are ideally coordinated with each other. Due to the modular structure of SPIDERweb any number of machines can be connected, from blowroom to spinning installation. The open-ended network enables additional machines or SPIDERweb workstations to be connected at any time. SPIDERweb collects comprehensive data that provide an ongoing basis for increasing output and enhancing quality.

Courtesy: Marketing Rieter Spun Yarn Systems (Rieter Machine Works Ltd)◆