

link



ITMA 2015

Machines&Systems, After Sales:

Hall 2, Booth A106

Com4® Yarns:

Hall 8, Booth D119



03 EVENT Innovations for sustainability and success **07 GLOBAL** Rieter & Gildan – A partnership at eye level in spinning **20 PRODUCT NEWS** SPIDERweb – The way to an economic spinning mill **30 PARTS/SERVICE** Stronger focus on After Sales

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Cover

We look forward to welcoming you in November at the ITMA in Milan. Read more about the ITMA starting on page 3.

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Anja Knick
Marketing

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Klosterstrasse 20, CH-8406 Winterthur,
www.rieter.com, rieter-link@rieter.com
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Innovations for sustainability and success

The international trade fair for textile machinery, ITMA 2015, is being held under the motto „Master the art of sustainable innovation“. That is a reason for Rieter to reflect on its strategy for sustainable action. In the past, Rieter has already achieved a great deal and at the ITMA is showing further improvements.

What today is a trend is based on recognition that resources are limited and valuable. Rieter already practised sustainable conduct when it was still not a talking point. Sustainability as Rieter views it goes far beyond ecological targets and touches all areas of the company.

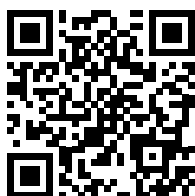
Rieter – comprehensive approach to sustainability

Rieter's "Values and Principles" reflect the Group's commitment to ambitious business goals and to environmental and social responsibility.

Fig. 1 In 2015, Rieter issued comprehensive information on its accountability relating to sustainability targets and achievements, already for the fourth time.



<http://bitly.com/rieter-sr2014>



Since 1997 Rieter has adhered to environmental and safety principles as an integral component of its corporate strategy. In addition to a prudent attitude to the environment and natural resources, Rieter's commitment also includes risk management as well as the responsible leadership and development of personnel. Products and manufacturing processes must comply with strict environmental compatibility requirements. The highest safety standards for customers and employees as well as residents at Rieter production sites must be guaranteed.

Rieter strives for the continuous improvement of environmental compatibility and energy efficiency throughout the entire value chain. Continuous monitoring of development and production processes optimises the infrastructure and advances the development of eco-efficient products and services. Since 2011, Rieter has published the results of these efforts annually in a comprehensive and independent report (Fig. 1).

This attitude to values is also expressed by the partnerships with the Swissmem FACTOR + and VDMA Blue Competence initiatives. Both actively support activities for careful dealing with limited raw materials (Fig. 2).

For our customers, it is important that they have a partner who strives holistically to achieve sustainability, as they themselves do. They expect that this is reflected in the product range.

Fig. 2 Rieter is a partner of Blue Competence and FACTOR +.



www.bluecompetence.net



www.swissmem.ch

EVENT

Fig. 3 Every reduction of the energy consumption of a machine contributes towards reduction of the power consumed by the entire mill.

Process stage	Model (year)		Reduction of energy consumption in % based on kWh/kg
Card	C 4 (1990)	C 70 (2014)	80 %
Draw frame	RSB-D 40 (2005)	RSB-D 45 (2014)	15 %
Comber	E 7/6 (1988)	E 80 (2012)	34 %
Ring spinning machine	G 30 (1998)	G 36/32 (2013)	27 %
Compact spinning machine	K 44 (2001)	K 46 (2013)	28 %
Semi-automatic rotor spinning machine	BT 903 (1998)	R 35 (2013)	37 %
Fully automatic rotor spinning machine	R 1 (1995)	R 60 (2014)	35 %

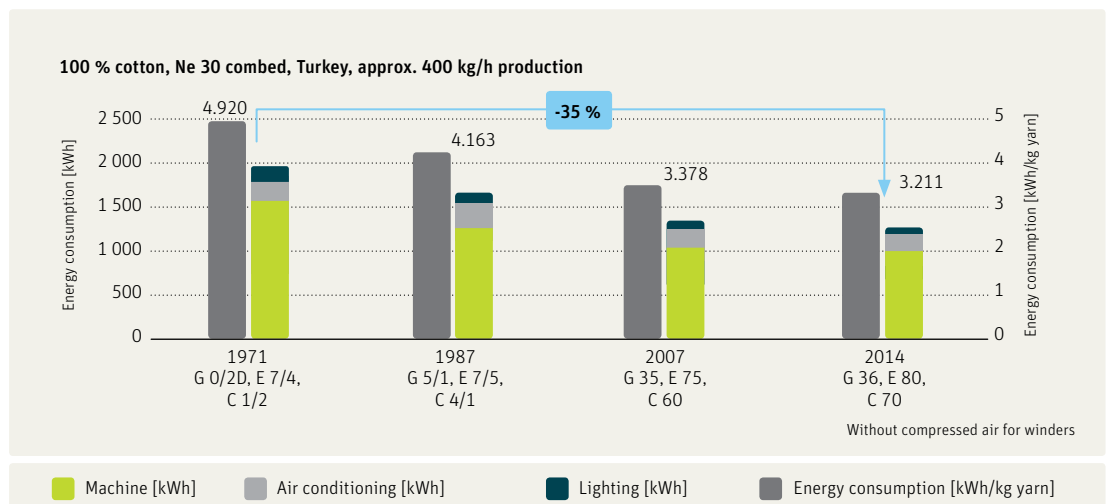


Fig. 4 The current ring spinning system for combed Ne 30 needs 35 % less energy than in 1971.

Innovations reduce energy consumption

The Rieter development team has already designed numerous machine generations so that they need less energy per kilogram of yarn. As the end spinning machines in yarn production consume the most energy, innovations there achieve the greatest savings for the whole process (Fig. 3).

An analysis for a Turkish ring spinning mill shows the success. The complete process, for a combed Ne 30, today requires 35 % less energy per kilogram of yarn for 400 kg/h than in 1971 (Fig. 4).

As a new feature, extended monitoring with SPIDERweb can show the energy consumed per machine and link this to other data. A novel alarm function for mobile end devices is the first step towards the spinning mill of the future. Let us explain these new SPIDERweb functions to you on our stand.

Innovation increases the raw material yield

The Rieter VARIOline, the C 70 card and the Rieter comber make a decisive contribution towards the high raw material yield of a Rieter system. Opening to the smallest tufts that are gently cleaned and the raw material-related setting with VARIOset characterise the VARIOline. A controlled carding gap of the C 70 ensures high carding performance and yarn quality without fibre damage at simultaneously high productivity. Highest precision in combing allows a good fibre selection and thus low noil extraction at high yarn quality.

Ergonomics as the development target

Alongside raw material yield and energy consumption, for Rieter the person operating and maintaining the machine is important. Ergonomics are central in product development. Good access is appreciated by operators and technicians who are responsible for the maintenance.

EVENT

Service maintains competitiveness

Comprehensive Rieter After Sales services sustainably secure the customers' competitiveness. Retrofit packages allow rapid reaction to market changes. That pays off, even with older plants, and often also fulfils ecological goals.

Customer training courses as well as comprehensive advice on site with regard to possible improvements round off the range of services offered by Rieter After Sales. Included are training sessions and good working documentation. For instance, the „Rieter Spinners' Guide“. This is an exhaustive reference compendium for settings and the selection of technology components according to the textile application – raw material, yarn count and application in weaving or knitting. It is now available for all 4 end spinning technologies. For our Com4® licensees, it is also available in electronic form.

Staying profitable sustainably

Long service lives of technology components and a long lifetime of the machines, as well as their easy disposal, are part of the Rieter product strategy. One example: automatic grinding of the card cylinder clothing with the integrated grinding system IGS, that extends the clothing runtime by up to 20 %.

The longevity of our products was proven in a contest in 2010. Rieter searched for the oldest machine still in operation. Replies came from all over the world about products which are reliably operating after more than four decades. Conversion sets bring latest innovations for older machine generations. Rieter strengthens its ability to survive competition (Fig. 5).

Innovations for sustainability at the ITMA

Historical examples show that Rieter has been committed to sustainability – long before this was a trend. Today, this awareness encompasses all branches of the economy and shows how important it is to take action.

With recent examples and innovations at the ITMA, Rieter shows that what has been accomplished is no reason to sit back, but encourages the setting of even more ambitious goals. – Read in the overview what

innovations Rieter offers that will make you even more successful (Fig. 6).

The Comfort of Competence

Under this slogan, Rieter is presenting its entire solution for the spinning mill also at this ITMA. The complete range from fibre to yarn from one source, in a single area of responsibility and for all four spinning technologies makes customers all over the world successful. The success can be explained by three elements which form the basis of the „Comfort of Competence“: Valuable Systems: systems with which you earn money, Convincing Technology: the best for quality yarns, Supportive Partnership: be jointly successful.

Systems with which you earn money

Rieter machines are value for money. They offer high production performance and efficiency, they conserve resources, need few employees, are easy to operate and maintain, and have a long service life. Those are all facts that contribute to enabling our customers to be successful. To also maintain this status over the entire life cycle, Rieter After Sales offers solutions to keep these installations competitive.

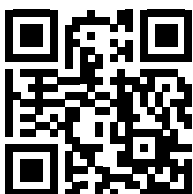
The best for quality yarns

A foundation for the high performance of the machines is Rieter's technical competence. Our products are developed and tested according to the latest technical advances and with the most modern methods. To do this, the engineers also use the most up-to-date technologies. Engineering skill in the service of the customer.

A further important component is the competence in yarn manufacture. Experienced textile technologists work in many professional areas at Rieter. Their knowledge already flows into product development. Furthermore, they set the pace for the processing of new fibres and the development of new components. They are the advisers for our customers in the decision-taking phase and later in the spinning mill when new challenges arise. They provide our customers with setting indications and tips for process improvements. Wide-ranging tests from the fibre to the end product allow new insights and give ideas for the future.

Fig. 5 With Rieter competence, you are equipped to face competition. Use the QR code and take a look at the new video clip on the theme of „The Comfort of Competence“ – or what makes you successful?

<http://bit.ly/TCoC2015>



EVENT

RIETER AT THE ITMA 2015	
Hall 2 Stand A 106 – Rieter Systems and After Sales Services	
Hall 8 Stand D 119 – Com4® yarns	
NEW Combing preparation E 36 OMEGAlap E 86 comber	NEW: high outputs with the Rieter combing set for 540 kg/h comprising one preparation machine and 6 combers. Production for approximately 25 000 spindles NEW: functions to adjust the noil ratio
NEW J 26 air-jet spinning machine	NEW: extended application for 100 % Polyester NEW: technology parts and know-how for the production of soft yarns. NEW: option for 6 robots
6 NEW modules resp. functions of the SPIDERweb Mill Control System	NEW: further functions that help you to spin more economically: • Climate Module • Alert Module • Energy Module • Cockpit Module • Assistant Module with SLIVERprofessional Spinners' Guide
NEW R 66 automatic rotor spinning machine	NEW: up to 700 spinning positions – improves productivity per square metre NEW: S 66 spin box with additional flexibility due to replaceable CHANNELpass NEW: electronic yarn displacement for flexible optimisation during package build-up
Further improved K 46 compact spinning machine for highest production	NEW: Q-Pack for even better yarn quality NEW: up to 1 824 spindles Further improved energy efficiency
Further improved G 32 ring spinning machine	NEW: Q-Pack for even better yarn quality NEW: up to 1 824 spindles NEW: Man-made fibre package
Further improved C 70 card	NEW: option for the processing of synthetic fibres Improves the running behaviour and increases efficiency
NEW RSB-D 24 double-head autoleveller draw frame	NEW: sliver coiling sensor, patent pending NEW: energy-saving suction system ECOriized NEW: flexible due to independent maintenance of machine sides

Fig. 6 The ITMA innovations in overview.

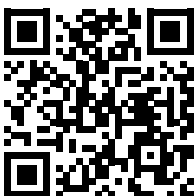


Fig. 7 This animation gives non-professionals an attractive first insight into the function of a modern spinning mill. You will also find it on YouTube.

<https://youtu.be/gDUVqUVHvM>

Achieving joint success

“Delight your Customer“ stands in Rieter's corporate principles. Rieter wants to make its customers successful. An intensive exchange and a comprehensive service are major elements in achieving this. Consultation prior to making a purchase, careful planning and calculation of the facility, professional assistance with the financing, on-time delivery and installation, prompt spare parts delivery – to mention just a few – are services that our customers can expect.

Additionally, Rieter offers the Com4® licence programme which supports customers' efforts in marketing the yarns. Your success is our success.

To promote young "textile" professionals, the Rieter Award has become established. Also the access figures to Rikipedia (<http://www.rieter.com/en/rikipedia/navelements/mainpage/>) and the "Rieter Manual of Spinning" are impressive. The range is complemented by the animation „The World of Spinning“ which allows non-professionals an attractive first insight into the mode of function of a spinning mill (Fig. 7).

Milan is worth a visit

The ITMA is traditionally the stage for innovations in textile machinery. We have been preparing for a long time so we can welcome you with new products and an attractive, comfortable stand. We look forward with great pleasure to greeting you on our stand, and presenting to you the innovations that will make you sustainably competitive.

15-301 ●



Edda Walraf

Head Marketing
Machines & Systems
edda.walraf@rieter.com

Rieter & Gildan – A partnership at eye level in spinning

From the fibre to the marketing of the end product. Everything from one source. These are only some of the features that Gildan, one of the largest manufacturers of leisure clothing, specifies. For one of its latest investments in the area of spinning, the company is placing its confidence in complete plants from Rieter.

Gildan is a leading supplier of high-quality branded apparel for the whole family, such as T-shirts, fleece jackets, sport shirts, underwear, socks, hosiery and shapewear. The Company sells its products under a diversified portfolio of company-owned brands. It also has licences for the Under Armour®, Mossy Oak®, and New Balance® brands. The Company distributes its products in ready-made printwear markets in the U.S. and Canada, as well as in Europe, Asia Pacific and Latin America. Gildan has over 43 000 employees worldwide and is committed to industry-leading labour and environmental practices in all its facilities.

Fig. 1 Rieter UNIBlend – Market success is guaranteed by the blending accuracy.



Gildan owns and operates vertically-integrated, large-scale manufacturing facilities which are primarily located in Central America and the Caribbean. This enables them to efficiently service the requirements of its customers in the printwear and retail markets. Gildan has an extremely flexible production and can ensure the highest quality standards from the fibre to the end product.

An investment in the future with complete Rieter plants

One of Gildan's latest investments is in a Rieter rotor spinning installation with 27 000 rotor boxes. Gildan has decided in favour of Rieter because Rieter offers everything from one source. Starting from project planning, the service offered extends through to the cooperation with the comprehensive Rieter After Sales services. As system supplier, Rieter makes customers successful.

Market success is guaranteed by the blending accuracy

For the blending of its various raw materials, Gildan has decided in favour of the UNIBlend precision blending system (Fig. 1).

The system operates with very high accuracy at a maximum of 1 % blend deviation. Positive effects of this high quality and very precise blend are high colour consistency of the knitted fabrics, increased yarn strength and fewer ends down in knitting (see also link Number 67).

Shorter processes and optimal sliver preparation

For the sliver formation process, Gildan has chosen the direct process. The high-performance C 70 cards are therefore equipped with the RSB draw frame module (Fig. 2). This module is a completely regulated draw frame. The regulated sliver has excellent evenness and long-term consistency. A prerequisite for a successful direct process in rotor spinning (see also link Number 67).

GLOBAL



Fig. 2 C 70 Card with RSB-Module – Shorter processes and optimal sliver preparation for the rotor spinning machines.

GLOBAL

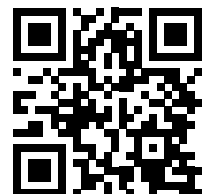
**Flexibility and high production with the R 60**

The strength of the automatic Rieter rotor spinning machine can be found in its high productivity and simultaneously its great flexibility with regard to raw material and yarn structure. A total of 45 R 60 rotor spinning machines each with 600 spinning units are in operation in the facility. The machines have independent sides, so that two different yarn counts per machine can be produced in parallel when required. Separating the batches on the two package conveyor belts ensures that the yarns are not mixed up upon take-off at the end of the machine. Gildan uses a fully automated package transport and palletising system to achieve seamless, perfect logistics.

15-302 ●

Gildan shows its entire, impressive production facilities in the reference brochure.

<http://bit.ly/Gildan-Ref>



Joachim Maier

Senior Marketing Manager
joachim.maier@rieter.com

PRODUCT NEWS

The new Rieter Combing Set – E 36 and E 86

The new combing set, consisting of the E 36 OMEGAlap and the E 86 combing machine, is the result of continuing development of the thousandfold-proven predecessor model.

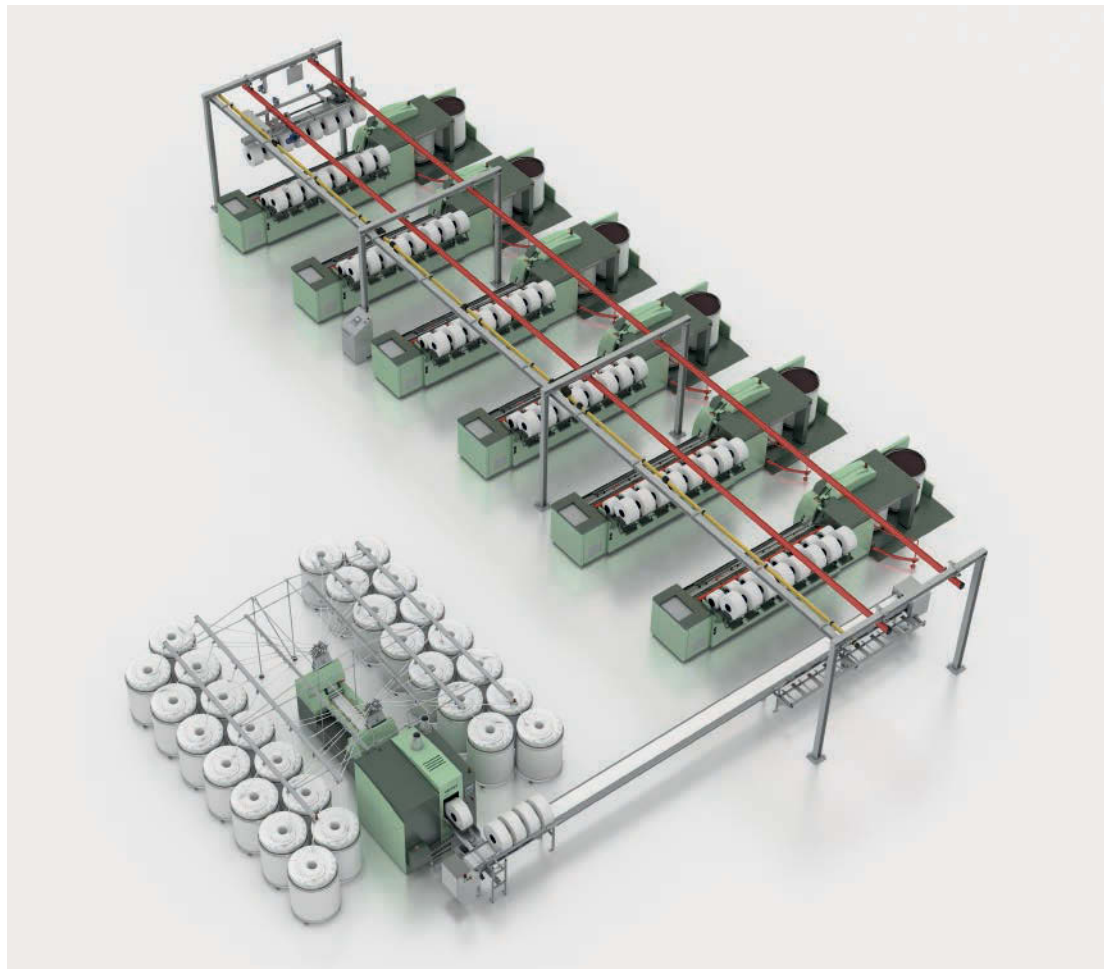
The delivery speed of the OMEGAlap of 230 m/min, the quality-enhancing components of the E 86 combler as well as the set-production of 540 kg/h combed sliver are the outstanding performance features which Rieter is presenting at the ITMA 2015 in Milan (Fig. 1).

E 36 OMEGAlap – the most economical combing preparation

Since its introduction 12 years ago, the OMEGAlap has maintained the highest production rate unchallenged in combing preparation. The E 36 OMEGAlap is the consistent development of this innovative product. The proven belt winding technology guarantees a gentle and uniform contact pressure over the largest possible lap circumference (270°). This system has been perfected over many years, so that a lap of the highest quality can be manufactured. The OMEGAlap combing preparation supplies uniformly built-up laps with low hairiness and high lap weight combined with maximum production. The doffing time has been shortened and a delivery speed of up to 230 m/min is possible.

Fig. 1

The new Combing Set:
1 E 36 OMEGAlap and
6 E 86 Combers – with
a production of up to
540 kg/h.



PRODUCT NEWS



Fig. 2 The new E 86 comber with ROBOlap for superior quality and highest productivity

That corresponds to a production of over 600 kg/h and a 50 % production increase compared to conventional combing preparation systems.

The E 36 OMEGAlap is the ideal combing preparation for maximum output and economy. At maximum comber production, an E 36 can supply the laps for 6 E 86 combers. For smaller sets, the E 34 OMEGAlap continues to be available.

E 86 Comber – for better combing

With the latest E 86 comber from Rieter, well-known features have been retained and profitable features added (Fig. 2).

The customer therefore receives a combing machine that allows the best quality or the highest productivity on the market depending on the objectives.

The maximum output of the E 86 comber is 90 kg/h combed sliver (up to 540 kg/h set-production). The production of 2 tons per day is therefore significantly exceeded. The largest active circular combing area with an expansion of 45 % compared to the E 76 generation permits highest fibre purity and improved fibre parallelism. Optimally coordinated movement sequences lead to high nip rates with simultaneously gentle and controlled fibre treatment. The setting options on the E 86 comber allow the spinning mill to pursue either highest quality, maximum productivity or greatest raw material utilisation targets.

By using a 1 000 mm can diameter at the delivery of the E 86 comber, the manpower requirements can be reduced by 10 % as the cans have 75 % more storage capacity than the 600 mm cans. Consequently, also the efficiency of the comber and the draw frame increases because the number of can changes is

PRODUCT NEWS

halved. The drafting arrangement of the E 86 comber is improved by the addition of fibre-guiding components which reduces the number of clearer cuts in the yarn by up to 50 %. Furthermore, the calender module has been further developed, which ensures an optimal and compact combed sliver.

The fully automated combing section

Full automation of a complete combing section allows a smooth 24-hour operation in the spinning mill and moreover reduces manpower to a minimum. For more than 20 years, Rieter has been the only successful supplier of a fully-automated combing section and over the years, has perfected this.

Today's fully-automated Rieter combing section has been realised by this system.

- Lap changing and piecing system ROBOLap.
- Lap and tube transport system SERVOLap E 26.

The ROBOLap removes the empty tubes, positions the 8 full laps and prepares the lap ends for the subsequent pneumatic piecing. With the fully-automated lap changing system ROBOLap, the efficiency of the E 86 comber is increased by approx. 2 %.

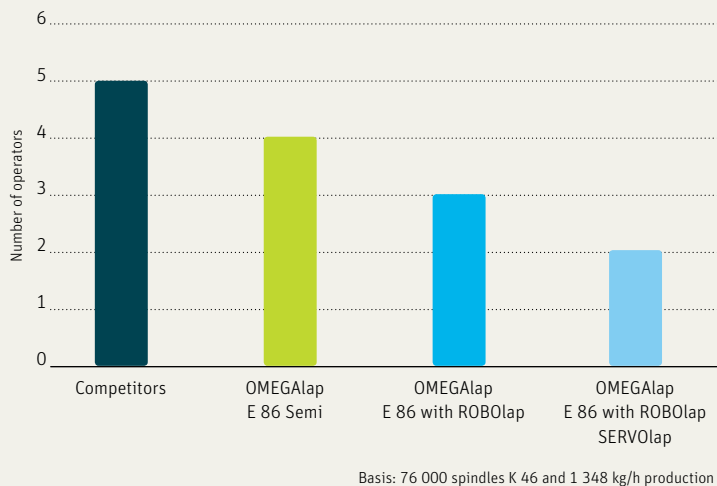
The quality of the automatic lap piecing device achieves a consistently high level over all 8 heads and is therefore better than manual piecing. Furthermore, the ROBOLap reduces personnel effort in the combing section and the production becomes less reliant on the operator. The ROBOLap is already being successfully used in more than 3 000 Rieter combers.

The lap and tube transport system E 26 SERVOLap transports full laps from a combing preparation system to the comber and returns the empty tubes from the comber. The laps are transported gently and prepared for the further process so that a continuous high quality can be guaranteed. The worldwide use of the transport system in more than 20 countries has generated valuable experience by which the system could be steadily improved.

The manpower requirement of the fully-automated Rieter combing section with E 26 SERVOLap and ROBOLap is lower by a considerable 60 % than the manpower requirement of a combing section without automation (Fig. 3).

Fig. 3 Reduction of the number of operators with the fully-automated combing section.

Personnel requirement for the operation of a combing unit



Conclusion

With the new combing set E 36 OMEGAlap and E 86 comber, Rieter supplies the highest set-production (up to 540 kg/h). Together with the over 20-year experience in combing automation, a completely autonomous combing unit is created with either maximum production, highest quality or greatest raw material savings.

15-303 ●



Yvan Schwartz

Head Product Management Combing
yvan.schwartz@rieter.com

The economic R 35 offers flexibility for applications

Thanks to the new S 35 spin box and improved technology, the semi-automated R 35 rotor spinning machine is able to process a wider range of raw materials. With 500 spinning positions, it achieves maximum production rates.

The R 35 semi-automated rotor spinning machine is the economical alternative to produce quality yarns Ne 2 to Ne 40 using state-of-the-art technology. With up to 500 spinning positions, it stands for good quality, high production performance and, thanks to the improved AMIspin technology, for excellent piecer quality with fast machine start-up (Fig. 1).

Highest productivity with 100 % cotton

The S 35 spin box with improved and sensitive fibre opening leads to high fibre utilisation. The benefits are good yarn quality and high spinning stability, even at rotor speeds of $120\,000\text{ min}^{-1}$ (Fig. 2). The R 35 with the new box, in combination with the new electronic yarn traverse, achieves completely new production output rates at delivery speeds of up to 200 m/min and full machine length.

Fig. 1 The R 35 is the longest semi-automated rotor spinning machine with completely independent machine sides.

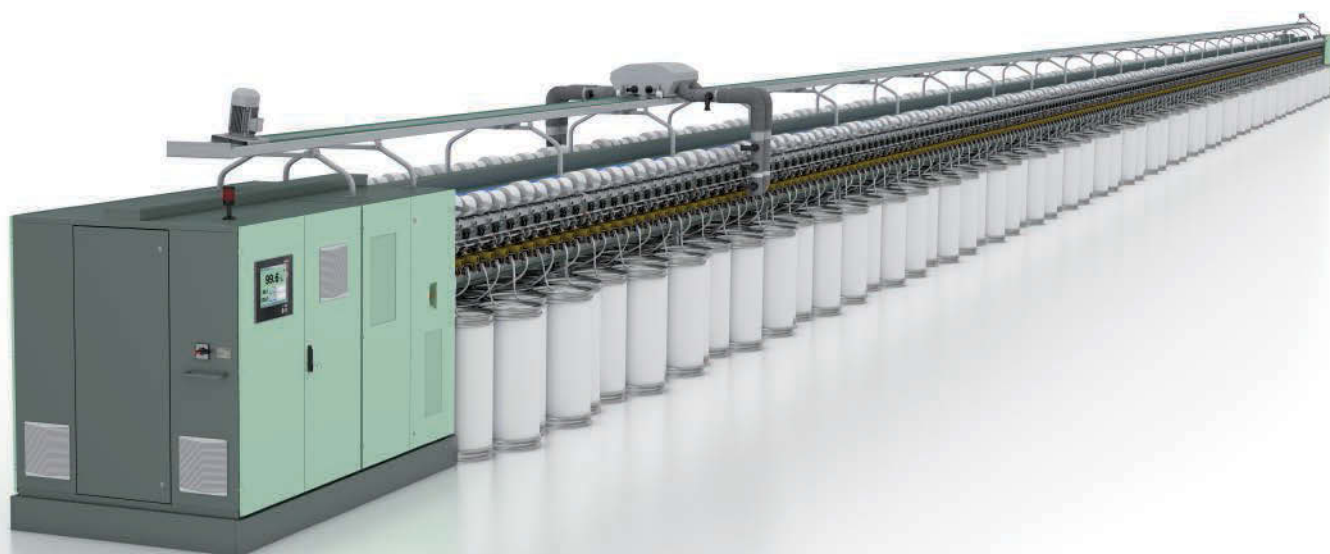
Technology for high efficiency

The productivity with the S 35 spin box is complemented by a further development of the AMIspin piecing technology. The simplified piecing operation leads to higher machine efficiency.

The R 35 with totally independent machine sides is equipped with two separate package conveyor belts. This guarantees maximum protection against package mix-ups. Lot changes or maintenance can be performed with minimally reduced production loss on one half of the machine while production continues on the other side.

The new individual motor for sliver feeding ensures that only undamaged fibres are used for piecings. The technical solution is based on Rieter's know-how of automatic piecing. The supplied fibre quantity is adapted in such a way that an optimal appearance of the piecing with consistently high quality is ensured.

The R 35 can be optionally equipped with the new Q 10 generation of yarn clearer. All settings are adjustable on the machine panel. The Q 10 guarantees a 100 % quality check of yarn and piecings.



PRODUCT NEWS

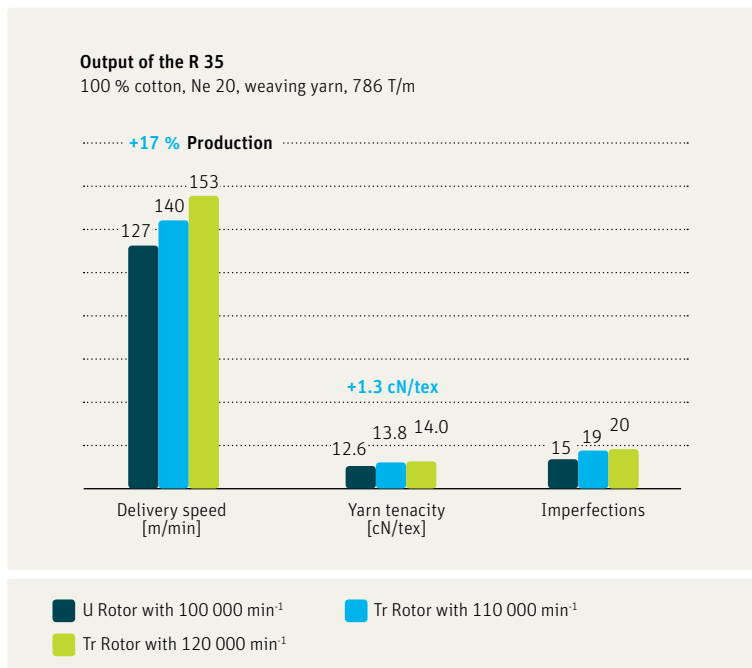


Fig. 2 With the Tr Rotor the R 35 achieves high strength and a high rotor speed for cotton yarns.

The new function Fast Spinning-In (FSI) assists the operator for a high level of machine efficiency (Fig. 3). After a clearer cut, searching for the yarn end is unnecessary as it is clearly visible and accessible for the operator. Fast Spinning-In not only shortens the spinning interruption but also increases the probability that the operator eliminates the fault from the yarn package.

Increased raw material utilisation thanks to optimised opening area and opening housing

Raw material costs represent more than half of the yarn manufacturing costs. Practical experiences with the R 35 show, in comparison to other machines, that the loss of good fibres is reduced without influencing yarn values like yarn strength and imperfections.

For spinning of waste and regenerated fibres on semi-automated rotor spinning machines it is decisive to have best spinning stability and to ensure an easy and fast piecing operation (Fig. 4) in order to handle higher ends down rates. In this connection, the optimised opening roller housing is the result of specific developments for this area of application.

Secured winding quality for viscose spinning

The semi-automated Rieter rotor spinning machines are renowned for their outstanding piecing and winding quality at high delivery speeds. This is a prerequisite for the processing of viscose fibres.

Viscose yarn packages have a high density. This requires an effective damping and high stability of the winding system. The winding system of the R 35 uses similar components as the automated R 60 rotor spinning machine. This is the most accepted winding mechanism for viscose yarns.

Optimised spinning geometry for the spinning of wool

In order to extend the economical rotor spinning process to more applications, Rieter has continued to work with specially treated and regenerated wool fibres. In recent years, customers have also started processing wool and its blends on semi-automated rotor spinning machines. Extensive in-mill evaluations by a wool spinner show that the R 35 has advantages in wool processing, as there is a possibility to optimise trash extraction on the S 35 spin box.

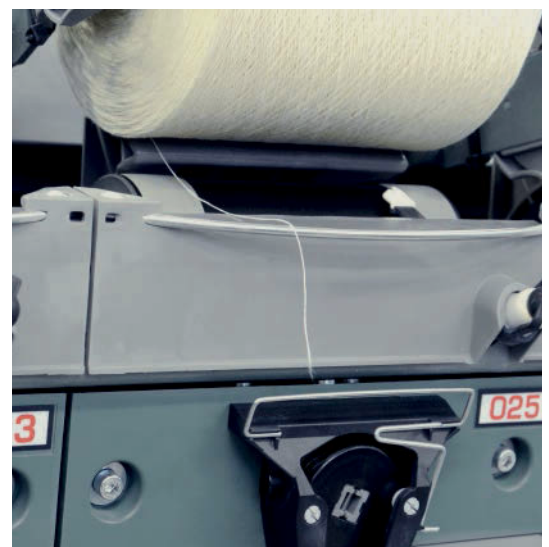


Fig. 3 Fast Spinning-In (FSI) function makes the yarn end clearly visible. Piecing and elimination of the fault from the package is easier.

PRODUCT NEWS

Quality Spinning-In (QSI) – very economical start-up

Continuous development of the modern drive and control concept of the R 35 is made together with the other Rieter rotor spinning machines. New advantages are created for customers. The QSI process has been introduced especially for the start-up of the machine after a planned or unplanned machine stop.

Quality Spinning-In stands for a rapid start-up after power failure (Fig. 5) with 100 % AMIspin piecing quality.

The system works irrespective of the application with minimum operator requirement. The preparations can

Fig. 4 The perfect machine height simplifies machine operation and increases efficiency.

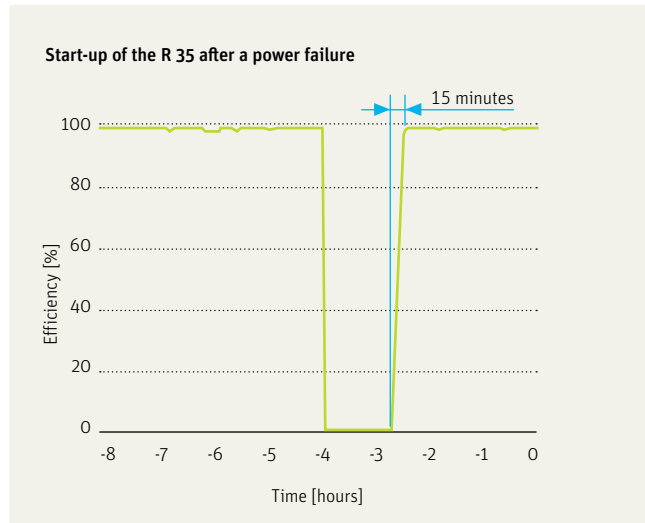


Fig. 5 Start-up of the complete machine after a power failure takes less than 15 minutes.

be already started during the machine stop. Once the power is back, spinning start-up is completed very fast. All spinning positions of the R 35 are automatically started in a few minutes. Piecings are created with the renowned high AMIspin quality.

15-304 ●



Karel Boněk
Product Management Rotor
karel.bonek@rieter.com



Jagadish Gujar
Product Management Rotor
jagadish.gujar@rieter.com

PRODUCT NEWS

The right draw frame for every requirement

Rieter, with more than 40 000 RSB and SB draw frames sold, is the leading manufacturer worldwide. Innovative solutions with the draw frames provide customers with competitive advantages in respect of quality, productivity, flexibility and space requirements.

All current autoleveling draw frames from Rieter use the highly dynamic RSB autoleveling technique as well as a patented sliver coiling sensor. This ensures outstanding running properties in the subsequent production stages as well as highest quality standards in the yarn and the end product. The delivery speed amounts to maximum 1 100 m/min. With the autoleveling draw frames RSB-D 45 and RSB-D 24, there is an additional c-version for maximum up to 550 m/min, for use after combing or before the air-

Fig. 1 High production RSB-D 45 draw frames in a rotor spinning facility.

jet spinning machine. All Rieter draw frames use the same technology parts, such as top rollers or CLEANcoil coilers, so that spare parts can be flexibly inserted.

Single-head draw frames – the line for maximum flexibility

The SB-D 45 draw frame without autoleveling in combination with the RSB-D 45 autoleveling draw frame (Fig. 1) provides highly flexible lines with maximum efficiency. Both models are equipped with a frequency-controlled suction drive. The vacuum at all suction points can thereby be rapidly and reproducibly set on the machine panel. Unique is also the CLEANtube equipment for reliable sliver coiling which is especially advantageous with the processing of contaminated cotton. When spinning mills desire maximum convenience, simultaneously process various fibre materials and prefer to calculate in draw frame lines per roving frame, then Rieter recommends the single-head draw frame line.



PRODUCT NEWS

SINGLE-HEAD DRAW FRAMES

Autoleveller draw frame



RSB-D 45(c)

Draw frame without autoleveling



SB-D 45

DOUBLE-HEAD DRAW FRAMES

Autoleveller draw frame



RSB-D 24(c)

Draw frame without autoleveling



SB-D 22

Fig. 2 Versatile draw frame programme specifically fulfils individual requirements.

Double-head draw frames – the line for limited space and energy requirements

An SB-D 22 without autoleveling and an RSB-D 24 with autolevelling are perfect partners when maximum production with minimum space requirements is demanded. The SB-D 22 without autoleveling guarantees, with one unique can changer up to 1 000 mm can diameter, highest machine efficiency. The RSB-D 24 stands out due to the independent sides and autolevelling features. This ensures highest quality and productivity.

One suction with frequency-controlled motor for both sides reduces the energy consumption. Both double-head draw frames allow a particularly space-saving layout by using a 3-row can arrangement of large cans with 1 000 mm diameter. This solution is patented and is only offered by Rieter.

The versatile Rieter draw frame programme fulfils individual requirements in respect of quality, productivity, flexibility and space requirements (Fig. 2).

15-305 ●



Jürgen Müller

Head Product Management
Draw Frames
juergen.mueller@rieter.com

PRODUCT NEWS

Top Performance in Ring and Compact Spinning

Highest productivity with best quality and lowest energy consumption – that is offered by the Rieter G 36 and K 46 ring and compact spinning machines in practical operation in numerous spinning mills worldwide. The good performance is based on the ECorized standard and new technology elements.

The latest models are now available with up to 1 824 spindles, equipped with the suction system ECorized. The compact spinning machines have been additionally enhanced by improvement of the compacting system. Both machines are successfully producing quality yarns worldwide: since their market launch one year ago, more than one million spindles have already been put into operation.

ECorized – the new standard

Rieter spinning machines are known for low energy consumption. For many years, Rieter has made great efforts to improve energy efficiency (Fig. 1).

Fig. 1 The reduction of the energy consumption is a permanent target at Rieter for every new and further development.

Reduction of energy consumption by 27 % since 1998

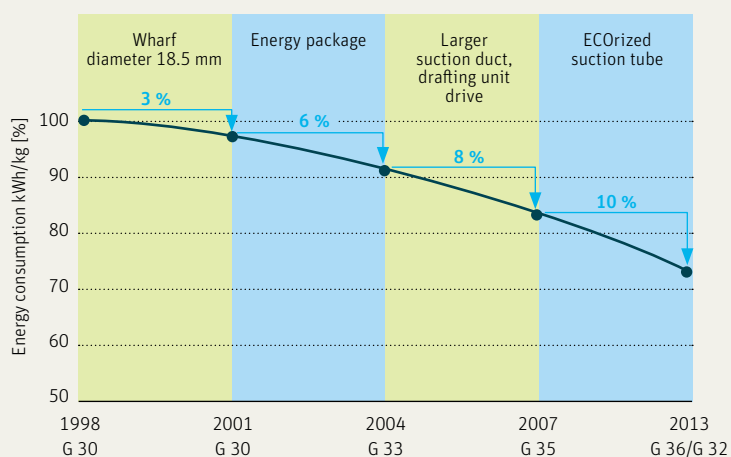


Fig. 2 The suction tube ECorized reduces the energy consumption of the ring spinning machine by approx. 10 %.

In the past, work has been mainly focused on better effectiveness of the motors and optimised suction channel cross section as well as improvement of the spindle design. Now Rieter has introduced ECorized, the new standard in energy efficiency.

Suction tube ECorized on the G 36 ring spinning machine

For conventional ring spinning machines, Rieter has developed the suction tube ECorized (Fig. 2). A flap covers approx. 85 % of the suction tube opening in normal operation. The flap is kept closed by the constant vacuum in the suction channel. In the rare case of a large fibre mass – such as a piece of undrafted roving – the mass itself causes the flap to open. The faulty material is perfectly extracted by suction. Thanks to the flap, the extracted air requirement is reduced by up to 50 %. This gives an average energy saving of approx. 10 % across the entire yarn count range.

PRODUCT NEWS

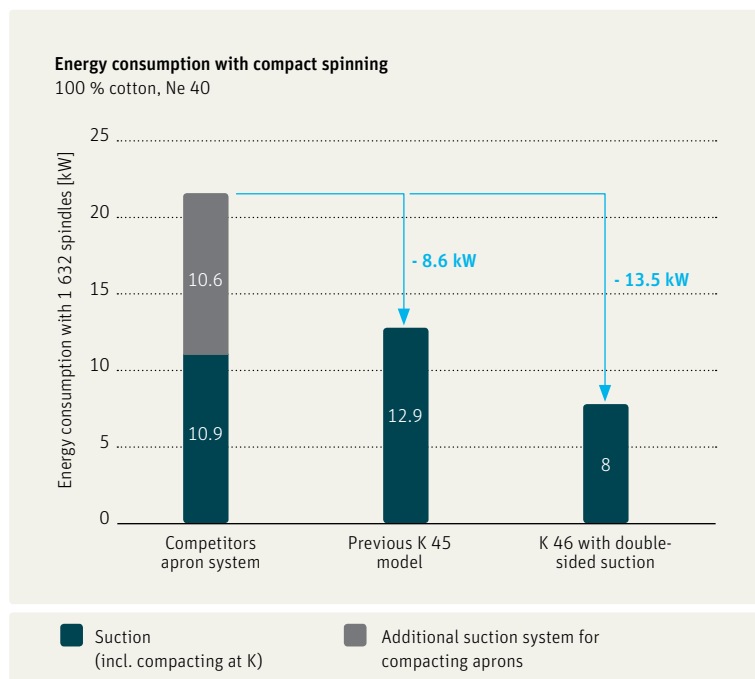


Fig. 3 The K 46 compact spinning machine needs less energy than other conventional ring spinning machines.

Suction channel ECOized on the K 46 compact spinning machine

Rieter's compacting system is different to all other systems in regard to 3 aspects:

- stable solid steel drum instead of compacting aprons that are subject to wear
- air guide element to improve compacting while simultaneously lowering energy consumption
- one very wide suction channel for suction tubes and compacting to reduce air speed.

These three items make the system unique in productivity and at the same time, ensure an extremely low energy consumption of the K 46 compact spinning machine. The additional energy consumption for the compacting process amounts to less than 1 Watt per spindle. Systems with compacting belts require far more – depending on the system, 5 to 10 Watt per spindle.

Rieter now goes one step further and reduces energy consumption by another 5 kW per machine (already with 1 632 spindles). With the compact spinning machine, the suction can now be adjusted. Models with central drive additionally have a double-sided suction. The duct is divided below the central drive

so that the yarn quality is not influenced. Ultimately, the K 46 requires less energy than every standard ring spinning machine from other manufacturers (Fig. 3).

The new compacting unit improves the quality and saves energy

The redesigned, mainly transparent compacting unit Bright allows a perfect air flow for fully-compact yarns with high evenness. The innovative air guide element Detect helps to save energy and simplifies the control of the compacting performance at each spinning position.

New components for man-made fibres

Rieter offers a package of special components for man-made fibres on conventional ring spinning. Bottom rollers with a larger diameter in combination with a special nose bar cradle complete the package, which also includes the stationary filter.

Speed potential again raised

A fact that is often paid too little attention is the speed potential of Rieter spinning machines. Customers repeatedly report up to 5 % higher speeds with conventional ring spinning compared to other machines and with the compact spinning machines it is even up to 10 %. The new components can improve this even further.

The Rieter ring and compact spinning machines perfectly combine the lowest energy consumption and the right technology elements for highest production and low yarn manufacturing costs at consistently good quality.

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Andreas Hellwig

Head Product Management
Ring Spinning
andreas.hellwig@rieter.com

PRODUCT NEWS

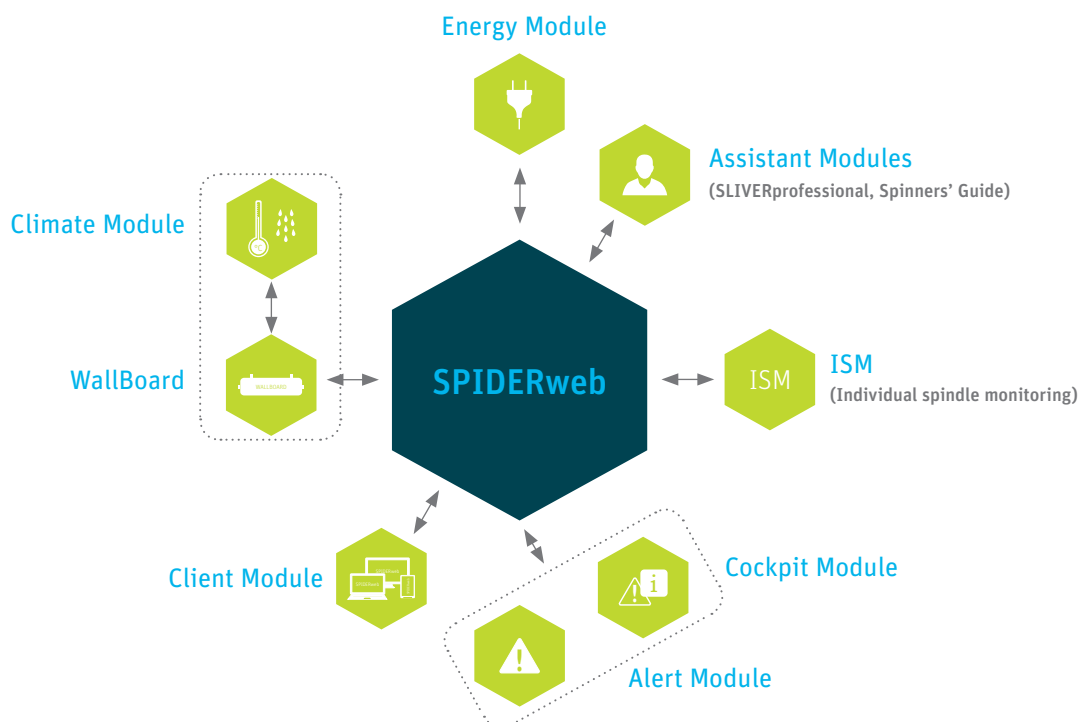
SPIDERweb – The Way to an Economic Spinning Mill

SPIDERweb of the latest generation is the only mill management system that collects, displays and analyses all relevant data from the spinning preparation to all 4 spinning systems as well as providing support.

Rapid identification of production deviations and timely intervention increase the production and thus the economic efficiency of the spinning mill. Permanent monitoring reduces routine tests and ensures consistent quality.

Monitoring systems began their move into the spinning mill with the collection of data and monitoring of the machines and operating processes. The next development stage is that the control systems of the future can provide help in finding solutions to problems. With this integrated advice, industry 4.0 will find its way into the Rieter spinning mills.

Fig. 1 Whatever help is needed – SPIDERweb modules give support.



SPIDERweb the modular concept

The modular design of SPIDERweb enables any number of machines to be connected (Fig. 1). Future modules can be easily integrated at any time.

SPIDERweb, the basis module, is today the well-known and proven SPIDERweb system. It forms the foundation for connecting further hardware and software modules. SPIDERweb has been continually modernised and further developed for more than 20 years. Over 10 000 machines in nearly 50 countries globally are already connected. Tried and tested modules such as the WallBoard and the individual spindle monitoring ISM are integral parts of the system. The SPIDERweb world has been and will be supplemented by new, useful modules.

Alert and Cockpit Modules – two new modules that complement each other

The plant manager defines which parameter transgressions he wants to be reported to him. Should a value be exceeded or not reached, a short notification will be sent to his smartphone. He therefore has complete control of his spinning mill and must make

PRODUCT NEWS



Fig. 2 Irrespective of where you are – with the alert and cockpit modules you have your spinning mill permanently under control.

far fewer tours of inspection. This gives him time for other important duties.

The quality manager sets the alarms as he considers appropriate. Reject quotas can be reduced due to quicker response times. The yarn buyer enjoys the high yarn quality consistency of his supplier.

Quick monitoring after receipt of an alarm or a faster overview at the end of a shift – the Cockpit Module provides a view of the most important spinning mill data from every location.

Climate Module makes connections

That climatic conditions in a spinning mill exert a textile-technological influence on the running behaviour and the quality is a well-known fact.

With the help of the temperature and humidity sensors, current values are constantly shown on the WallBoards and are simultaneously transmitted to SPIDERweb. Efficiency reductions without any discernable reason gain transparency. Frequent start-up spinning reruns by robots, e.g. on the rotor spinning machine, become explainable.

Assistant Module – the efficient helper

SLIVERprofessional allows easy problem management of periodical faults on Rieter draw frames. The fault search is simplified and accelerated. Indication regarding the cause of the fault is visually displayed. Long fault diagnostics are therefore a thing of the past. Setting recommendations for each material and sliver count help right from the start to take the right path.

Rieter Spinners' Guide belongs to the Assistant Module

Is a search being made for a new textile application or should the product range be expanded? Is experience for the implementation lacking? The integrated Spinners' Guide helps and guides directly along the right path. In addition to process recommendations from the bale processing to yarn manufacture, detailed spinning recipes for all spinning technologies are readable, based on the textile application. Filter functions help to find the right recipe according to application, material or yarn count. The Guide shows which components are needed and how they are used. The way to an optimal, new textile product thereby leads more quickly to success.

Sustainable yarn production with the Energy Module

The energy consumption in the spinning mill is not only a decisive cost factor, but also is important for sustainable yarn production. Verification of the energy consumption is increasingly required – from authorities or for reporting to customers. The Energy Module helps to record the energy consumption per kilogram of yarn, simplified and reproducible.

15-307 ●



Marcel Rengel

Technical Head
SPIDERweb Data Systems
marcel.rengel@rieter.com

PRODUCT NEWS

Latest Rotor Spinning Technology with the new R 66

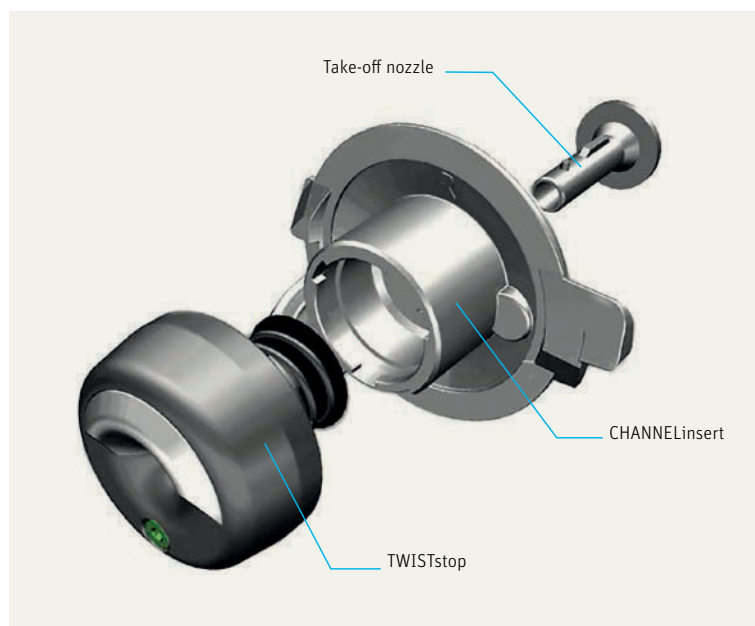
The new S 66 spin box is the heart of the R 66 rotor spinning machine and the core of innovations. Further developed from the S 60 box, it allows higher yarn tenacity and better yarn evenness. With the new CHANNELpass, it is additionally more flexible. The improved ergonomic design makes operation even easier and more time-saving.

The central function of the R 66 is to produce a yarn which meets the requirements of the various markets. The yarn quality is the basis for the success of a spinning mill. An appropriate yarn quality allows the spinner to organise the raw material selection very flexibly or to increase the productivity.

Low spinning tension and high delivery speed

The innovative spinning geometry already proved its worth with the S 60. With the compact TWISTunit comprising of CHANNELinsert, take-off nozzle and TWISTstop, the take-off tube is eliminated (Fig. 1).

Fig. 1 The TWISTunit can be quickly replaced with a single manual action.



This results in a significant reduction of the spinning tension and the spinning stability is thereby increased.

Without isolating covers, the TWISTunit conducts the frictional heat from the nozzle more efficiently. This "COOLnozzle" technology enables high speeds to be achieved, especially with temperature-sensitive fibres, without leaving melting points in the yarn. The open construction of the S 66 spin box also reduces accumulation of trash.

Integrated precision for better yarn quality

At every closure of the S 66 spin box, the middle axis of the take-off nozzle is automatically centred to the middle axis of the rotor. That ensures not only the precise feeding of the fibres from the fibre guide groove into the rotor but also the perfect take-off point of the fibres from the rotor on the take-off nozzle. And that from spin box to spin box, over the entire machine length. The S 66 box thus guarantees high yarn tenacity and better yarn evenness.

The construction of the TWISTunit is accordingly designed, so that the existing vacuum on the spin box permanently fixes the position of the CHANNELinsert at the right spot. With spin boxes of other suppliers, the vacuum draws this element undefined out of its ideal position.

Unique innovation for flexibility

The S 66 is the only spin box to influence trash extraction during the opening process by means of the BYpass. With the production of very fine cotton or man-made fibres, the BYpass remains closed to prevent any fibres being lost. With the spinning of heavily soiled slivers or waste material, the BYpass is half or fully opened.

The SPEEDpass is an energy-saving solution for the spinning of denim or very coarse yarns. With these applications, the spin box must deal with a greater fibre mass. The unique SPEEDpass accordingly allows an increased airflow rate without higher vacuum.

An innovation in respect of flexibility is the CHANNELpass. This exchangeable element can precisely adapt the air conditions in the fibre channel

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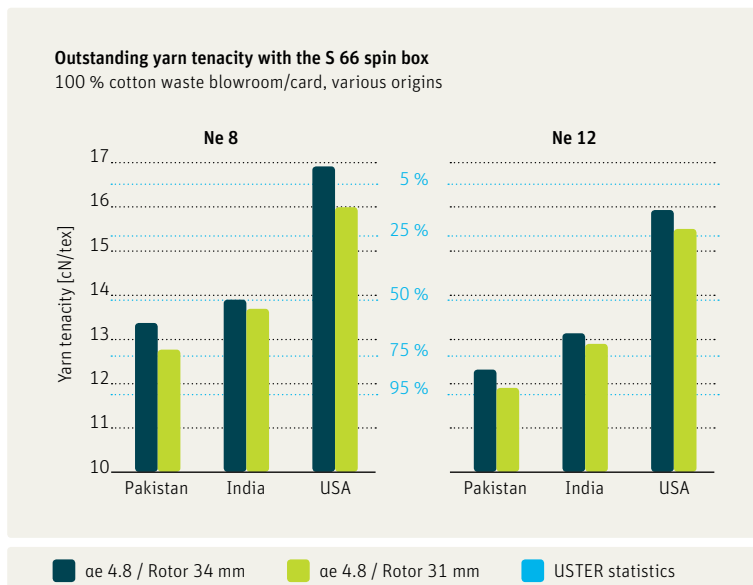


Fig. 2 Thanks to the latest technology, the R 66 achieves high tenacity, even from material blends in the lower range of the raw material spectrum (TIS project no. 26466).

to different raw materials. More information on the CHANNELpass and the new S 66 spin box will be provided by Rieter at the ITMA in Milan.

Strengths with resource-friendly spinning of waste materials

The advantages of the S 66 spin box in relation to yarn tenacity and evenness can also be exploited at the lower end of the raw material spectrum. The adjustable BYpass and an optional adapter in the trash elimination support the process. With the R 66 high quality yarns can be created from suitable waste blends (Fig. 2).

Experiences of various customers

Customers confirm the advantages of the modern spinning technology and the high productivity that is thereby obtainable. Several practical production examples:

- 230 m/min for an Ne 18 knitting yarn from 100 % cotton in the USA
- Rotor speeds of 148 000 min⁻¹ for an Ne 32 woven yarn from 100 % cotton in China
- 224 m/min for an Ne 20 knitting yarn from a polyester-cotton blend in the USA.

Save costs with operation and maintenance

Better spinning stability with the R 66 rotor spinning machine leads to better running conditions and therefore to fewer ends down. Fewer ends down reduce operator workload, also with automatic machines.

The disassembly and installation of the spinning elements without tools, the good accessibility of the box and the simple operation make it considerably easier for the maintenance and operating personnel. As a further innovation, the ergonomically redesigned spin box is even easier to open (Fig. 3). Consequently, longer R 66 machines can be operated without additional personnel.

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Fig. 3 The new S 66 spin box can be easily opened and saves the operator's time.



Stephan Weidner-Bohnenberger

Head Product Management Rotor Spinning
stephan.weidner-bohnenberger@rieter.com

PRODUCT NEWS

J 26 – 100 % polyester, assured quality and high flexibility

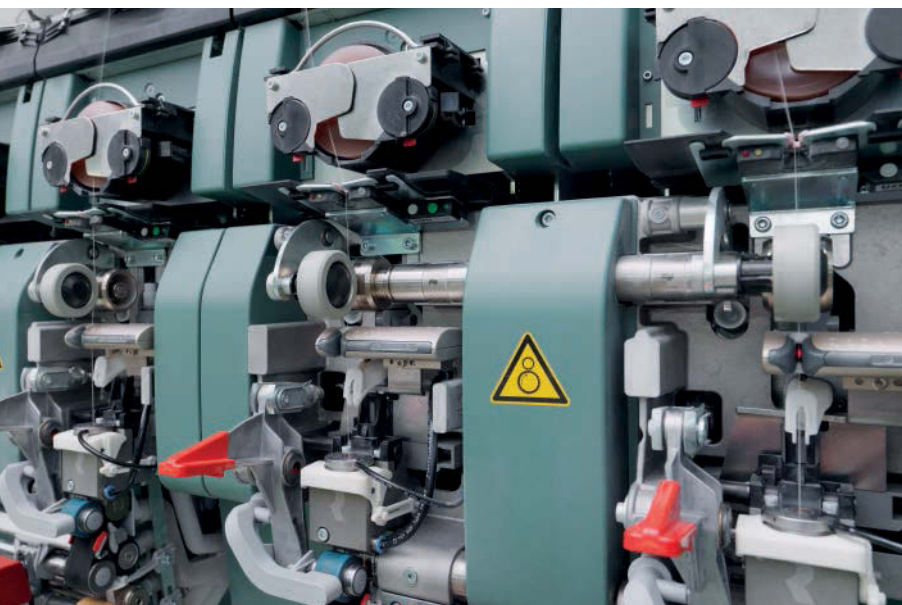
100 % polyester and soft knitting yarn are now possible on the new J 26 air-jet spinning machine. The Rieter Q 10A yarn clearer has been adapted for air-jet spinning and assures yarn quality. Up to 6 robots per machine increase the area of application of the J 26 and the flexibility of the customers.

It is now possible to also spin 100 % polyester (PES) on the J 26 reliably and in the customary good yarn quality. This requires the additional attachment P 26 and the Rieter Q 10A yarn clearer which is optimised for air-jet spinning. 100 % combed cotton and combed cotton in blends can be processed on a J 26 with 200 spinning units and 6 robots with excellent efficiency.

J 26 for 100 % polyester

With the additional attachment P 26 spinning of 100 % polyester is possible. The ceramic spinning spin tip is kept automatically clean. The risk of producing a weak yarn is small. After the drafting process, the attachment applies a liquid to the sliver. This prevents deposits in the twisting area, a cause of

Fig. 1 The adapted and optimised Rieter Q 10A yarn clearer assures the yarn quality, also with 100 % polyester.



weak yarn. Furthermore, this additional attachment improves the yarn strength and reduces the yarn hairiness. The additional yarn strength can provide access to further applications or be used to increase the production speed.

Q 10A – the Rieter yarn clearer – also new for the J 26

The Rieter Q 10A yarn clearer, well-known from the Rieter rotor spinning machine, has been specially adapted for the air-jet spinning technology (Fig. 1).

All standard functions of the yarn clearer are available. In addition, there are functions specially developed for air-jet spun yarn. For instance, the unique monitoring channel Strength Factor reliably detects the smallest changes in the yarn structure such as hairiness and diameter.

If the set limit stops are exceeded, the spin unit is stopped or blocked. That is essential to avoid faults such as stripes in the knitted fabric. The Q 10A together with the PES attachment is the combination required to spin 100 % polyester on the J 26.

6 robots for more flexibility and productivity

The J 26 with 200 spin units is available with up to 6 robots (Fig. 2) and thereby opens up new areas of application. The J 26 can also, as an option, be delivered with 4 robots but prepared for 6. This option provides the flexibility to respond to changed market requirements at a later stage.

Successful implementation of Soft Yarn application

The majority of air-spun yarns is destined for knitting applications. The unique yarn characteristics such as very low hairiness and excellent pilling resistance are the main reasons for this.

Nevertheless, downstream processors request a softer touch for specific applications. The hairiness and the pilling behaviour should, however, not be changed. To obtain a softer touch, the yarn character must be adapted. This has been achieved by Rieter in collaboration with the customers who are meanwhile successfully producing Soft Yarn.

PRODUCT NEWS

Fig. 2 Customers can order the J 26 with 6 robots, or with 4 robots prepared for 6. This increases the flexibility required to meet changing market conditions.



A higher production speed, lower spinning air pressure and special technology parts provide for yarn softness but secure low hairiness and good pilling resistance. As a standard in the market, an Ne 30 from 100 % combed cotton is spun with 440 m/min and a blend of combed cotton with polyester is spun with 430 m/min. The yarn manufacturing costs sink by up to 10 % compared to the standard settings (Fig. 3).

Optimised pre-process for better efficiency

The pre-process sustainably influences the yarn quality. Once the Rieter recommendations for the

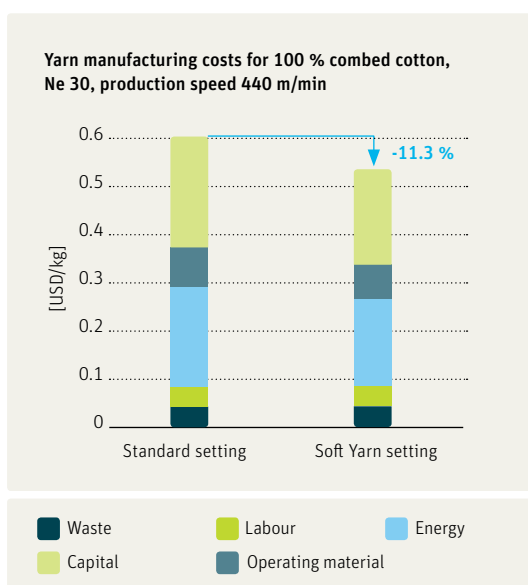
pre-process are implemented, best quality sliver is supplied to the J 26.

However, the most important task is to ensure the quality of the pre-process over weeks and months. Operations that are everyday occurrences in a quality spinning mill must be strictly observed. This includes regular cleaning of the machines, grinding of the cots, replacement of worn parts, control of settings and monitoring of the quality in every production step.

Rieter offers its air-jet-spinning customers a document with complete know-how to achieve a good pre-process. Furthermore, Rieter makes the Spinners' Guide available, with setting recommendations for all applications.

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Fig. 3 Soft Yarns fulfill high quality standards and significantly reduce the yarn manufacturing costs.



Marc Schnell

Head Product Management
Air-Jet Spinning
marc.schnell@rieter.com

PRODUCT NEWS

Com4® marketing supports licensees

Customers who decide in favour of a Com4® yarn licence profit from supportive Rieter marketing activities. Also this year, various actions and events are taking place.

Com4® licensees (Fig. 1) enjoy wide support from Rieter. Already at the licence handover, the customers receive a promotion package. To obtain recognition with yarn buyers, downstream processors and apparel producers, Rieter is present at several yarn and fabric exhibitions with the Com4® stand, places advertisements in the trade press and holds yarn seminars.

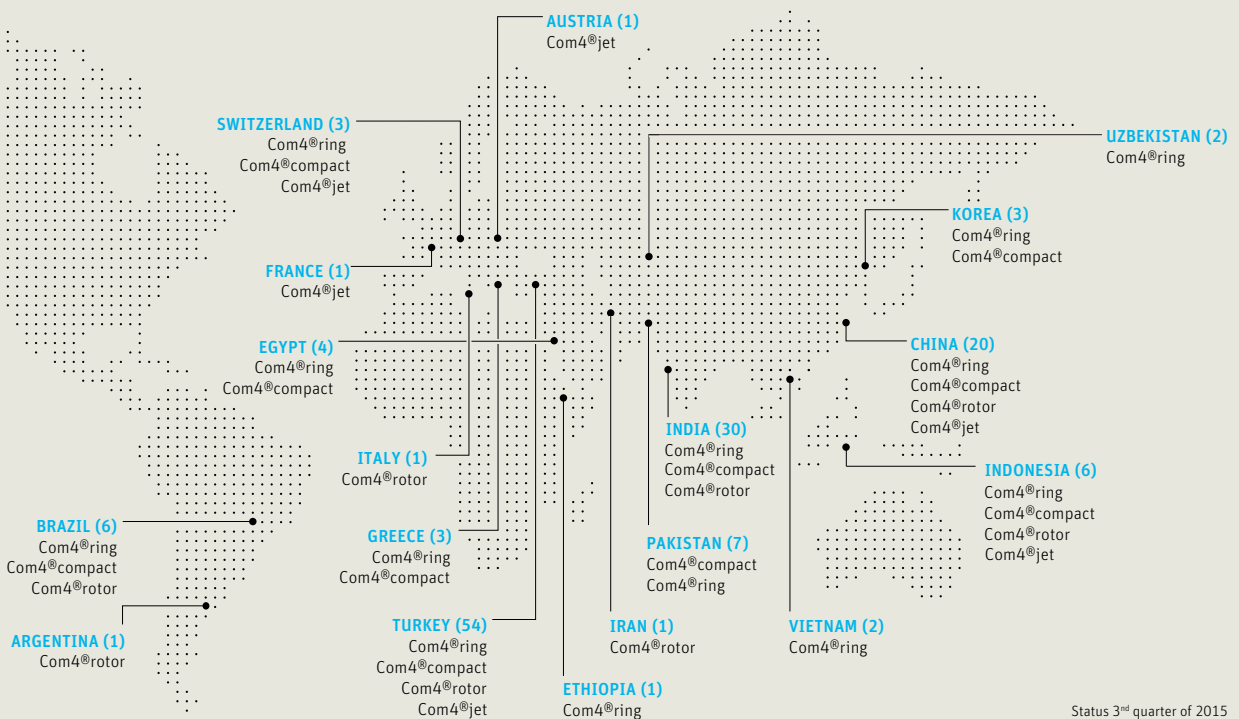
Promotion package supplies ideas

The promotion package (Fig. 2) compiled for licensees contains fabric samples and end products of the various Com4® yarns, stickers and a brochure with comprehensive information about the yarns. The intention is to provide ideas for the promotion of the yarns and to help the customer to build up or extend its own promotion.

Platform for licensees – five trade fairs with the Com4® stand

Rieter puts the four Com4® yarns, their influence on downstream processing and typical end products in the spotlight at the trade fairs. Licensees have the opportunity here to present their products made from Com4® yarn. Moreover, Rieter actively distributes the contact data of the licensees to yarn traders, weavers, knitters and other interested parties.

Fig. 1 Licensed Rieter Com4® yarns.



PRODUCT NEWS

Fig. 2 The promotion package provides the licensees with ideas for promoting their yarns.

In this year, Rieter will be present at five various trade fairs worldwide with a Com4® yarn stand. In India, this was the Fibres & Yarn Expo in Mumbai (Fig. 3) and the Yarnex in Tiruppur. As in previous years, also this year there was a stand at the Texworld in Paris, France. In October there will be a stand at the Yarnexpo in Shanghai, China. The ITMA in Milan forms the grand final. Alongside the stand for machines and After Sales, Rieter is presenting the Com4® yarns in Hall 8.

Three Com4® yarn seminars

The potential of the yarns is often not recognised and is consequently not fully exploited. Without differentiation, the yarn price is frequently the deciding factor. Nevertheless, by using the „right“ yarn, the properties of the end product can significantly be influenced. How and why, that will be explained by our experts in the Com4® yarn seminar. Also in 2015, again weavers, knitters and yarn dealers as well as other parties participated in seminars in China, India and Switzerland. For licensees the seminar is free of charge.

Exclusive – Digital Spinners' Guide for Com4® licensees

Licensees receive exclusively the new digital Rieter Spinners' Guide. This contains basic settings for the spinning processes ring, compact, rotor and air-jet spinning. The recommendations are based on extensive technological know-how. Optimal basic settings and technology parts are quickly and easily found –



always depending on the end use – for different yarn counts and raw materials. The spinning mills are thus close to obtaining the optimal setting and save valuable time.

The structure is logical and the Guide intuitive and therefore easy to consult. The following functionalities are available:

- Setting recommendations, also known as recipes, that can be specifically located by means of search criteria
- List of established personal favourites
- Complete process recommendations from bales through to end spinning machine
- Overview of all available technology components of the end spinning machines that have an influence on the yarn quality
- Helpful definitions and conversions.

New licensees appointed

In recent months, several customers have again been presented with the Com4® Licence. Under the new licensees is the first licensee in Iran – Kashmar Modarres.

15-310 ●

Fig. 3 At various trade fairs – here the Fibres & Yarn Expo in Mumbai, India – the Com4® yarns and their licensees are promoted.



Anja Knick

Senior Marketing Manager
anja.knick@rieter.com

PRODUCT NEWS

Improve the quality on existing draw frames and rotor spinning machines

The development from mechanics to electronics also finds its way into earlier Rieter machine models by means of simple conversions. This is also the case with the retrofit packages for older draw frames and rotor spinning machines. They improve the sliver quality and secure the yarn quality.



Fig. 1 On existing draw frames, the new compressed air monitor PRESSUREguard prevents uncontrolled and inferior sliver quality.

For the draw frames RSB-D 30, RSB-D 30c, RSB-D 35, RSB-D 35c as well as SB-D 10 and SB-D 15 Rieter offers conversion packages to improve the sliver quality. Older rotor spinning machines R 1, R 20 and R 40 profit from the new yarn monitor.

Guaranteed and consistent sliver quality on Rieter draw frames

The conversion package for autoleveling draw frames RSB-D 30, RSB-D 30c, RSB-D 35, RSB-D 35c includes the maintenance-free PRESSUREguard (Fig. 1). It monitors the pneumatic for the pressure load of the scanning discs by means of an electron-

ic pressure gauge and a relay. With faulty pressure load, the draw frame immediately switches off. This avoids uncontrolled and inferior sliver quality. The greatest advantage over the old system is the digital display panel which shows not only the pressure load but also other fault notifications, which simplify elimination of the cause. A lamp outside the draw frame aids rapid fault elimination by emitting a signal.

A further conversion package for the autoleveler draw frames mentioned above as well as for the draw frames SB-D 10 and SB-D 15 without autoleveling includes the speed sensor B2 EVO+. The customer profits from a perfect sliver quality based on a correct drafting of the slivers.

The new non-contact speed sensor takes measurements without making contact in contrast to the previous model and at a greater distance on a massive gear rim. It is therefore better protected against damage. Over a longer period this ensures correct measurements and a good sliver quality.

Positioned on the bracket for the speed sensor there is additionally a sensor for monitoring the drive belt for the draw-off roller. This belt monitor B200 consists of a light barrier that monitors whether the belt is available. The advantage is rapid detection in the case of a belt breakdown. The draw frame stops immediately. The production of faulty sliver is consequently excluded.

The B2 EVO+ non-contact inductive sensor with the optoelectronic light scanner B200 (Fig. 2) is easy and quick to assemble. For this, the existing mounting points of the previous B2 rpm transmitter can be used. New wirings are not necessary.

Correct and consistent monitoring of the yarn quality

For the rotor spinning machines R 1, R 20 and R 40, Rieter offers a new yarn monitor BFW EVO. It is based on the engineering and technology of today's R 60 yarn monitor and thus reflects the latest technical developments (Fig. 3). The yarn monitor is a fully compatible replacement of the former FW 15 model.

PRODUCT NEWS



Fig. 2 The B200 belt monitor (bottom left) and the non-contact B2 EVO+ speed sensor (top right) ensure good sliver quality on older draw frames.



Fig. 3 For older rotor spinning machines, Rieter offers a new yarn monitor with special benefits in the processing of Viscose.

The electronics of the new yarn monitor are contained in a hermetically sealed plastic casing. This prevents the entry of fibre and dust. In particular, with the processing of Viscose it has the advantage that no sulphur sulphide can form on the solder points. The solder points remain unaffected and the functionality of the yarn monitor is completely assured. The integrated optical sensor monitors the yarn path through the transparent casing. The yarn monitor BFW EVO secures a correct and consistent monitoring of the yarn quality.

The electrical connection of the yarn monitor is made via the existing „plug-and-play“ system. This makes individual replacement on each spinning position possible without having to switch off the machine. As the signals and LED colours are also the same as with the previous model, a combined operation of the old and new yarn monitors is guaranteed.

These simple and cost-effective solutions with the draw frames and rotor spinning machines are paid off in the shortest time.

15-311 ●



Jörg Feigl

Project Manager Parts
joerg.feigl@rieter.com

PARTS/SERVICE

Stronger Focus on After Sales

Rieter's mid-term strategy is to strengthen customer service. Since 1 January 2015, a new business group focuses on excellent and comprehensive services for customers.

Fig. 1 Educated operators secure a highly performing yarn production.

The newly formed Business Group After Sales supports Rieter's way towards after sales excellence, starting with the assembly and providing continuous support for the entire working life of the products. It serves as the base on which we implement our customer value proposition. Our ambition is the

long-term competitiveness of our customers and maximisation of the returns on the customer's original investment in Rieter spinning equipment. The success of our customers is our daily motivation.

Sustaining value

Rieter After Sales serves with spare parts, value-adding after sales services and solutions over the entire product life cycle, irrespective of where the customer is located in the world.

After Sales also organises equipping of the spinning mill. Using original parts ensures a stable and high performing production in the required quality.

Maintaining the value of the customer's investment however goes far beyond original parts. Rieter After



PARTS/SERVICE

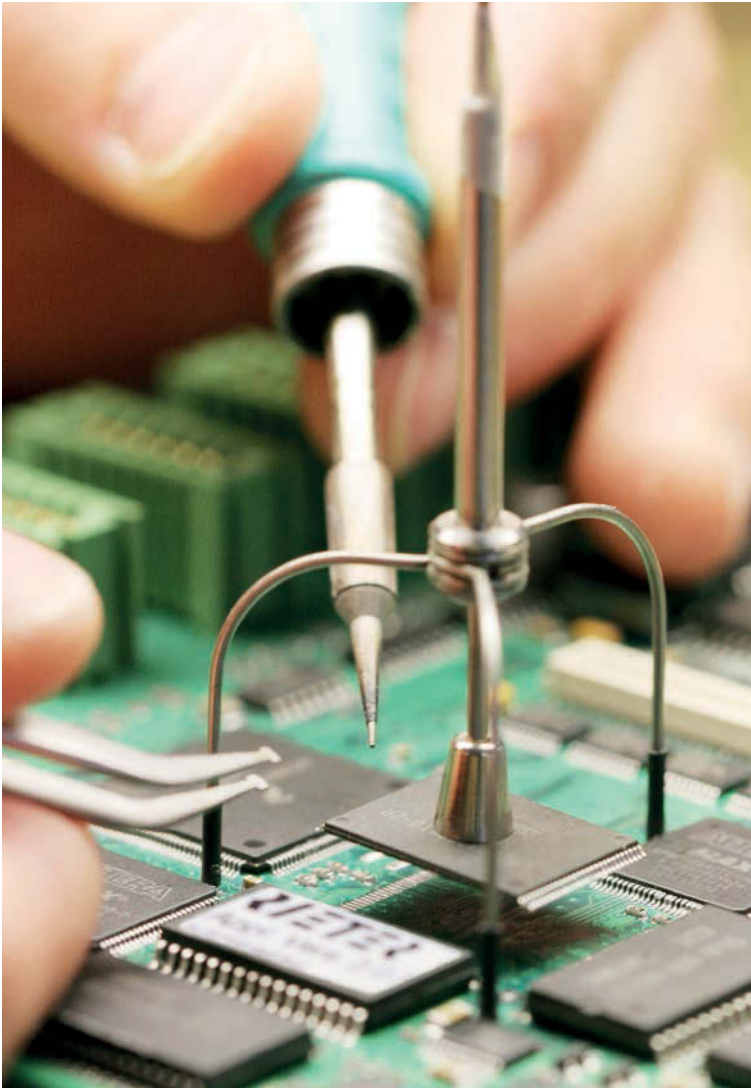
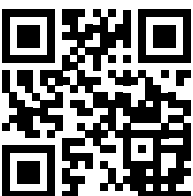


Fig. 2 Preventive maintenance and repair services.

Fig. 3 The Rieter After Sales film gets to the point by summarising the services for Rieter customers. <http://bit.ly/RASvideo2015>



Sales also provides continuous training sessions and development of the spinning mill employees (Fig. 1).

A solid understanding of machine setting and maintenance routines is essential for high performing yarn production in the long run. Rieter offers practical training in its own training centres, as well as individually tailored in-mill training sessions.

The After Sales experts are at the customers' service around the globe and advise at local time and in the local language whenever queries arise.

Providing solutions

After Sales solutions make the spinning mill even more productive, efficient and flexible. They allow quick adjustments to changing market conditions. Rieter also advises long after the installation of the new facility and offers complete packages for spinning mill conversions and modernisations leveraging on Rieter's competence as system supplier.

The Rieter expert team assesses the spinning mill and identifies opportunities for improvement. A possible increase in productivity is assigned and adapted to the whole system. Each process step is examined. The in-depth understanding of the innovative products and conversions allows the Rieter experts to quantify the customer's benefit in a perfectly rebalanced system. A short return on investment is thereby guaranteed.

Service competence

The comprehensive tailor-made After Sales services, over the entire service life, start from installation and cover all areas from technological support over maintenance audits and repair services to the customer training mentioned (Fig. 2).

Comfort is: A partnership at eye level

Unique competence along the entire spinning process and across the 4 spinning systems (Fig. 3). Your success matters to us. Success is based on trust. Secure your success, contact your After Sales partner.

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Urs Tschanz

Head Sales Support Parts
urs.tschanz@rieter.com

Rieter Machine Works Ltd.

Klosterstrasse 20
CH-8406 Winterthur
T +41 52 208 7171
F +41 52 208 8320
sales.sys@rieter.com
parts.sys@rieter.com

Rieter India Private Ltd.

Gat No 134/1, Vadhu Road
Off Pune-Nagar Road, Koregaon Bhima
Taluka Shirur, District Pune
IN-Maharashtra 412216
T +91 2137 308 500
F +91 2137 308 426

Rieter (China)

Textile Instruments Co., Ltd.

Shanghai Branch

Unit B-1, 6F, Building A,
Synnex International Park
1068 West Tianshan Road
CN-Shanghai 200335
T +86 21 6037 3333
F +86 21 6037 3399

www.rieter.com



The 10 winners of the link no. 67 quiz were drawn by Reto Thom, Head Sales, and Edda Walraf, Head Marketing. The 3 main prizes go to:
Faisal Tufail, Nisar Spinning Mills, Pakistan; Mohsen Shanbeh, Isfahan University, Iran und Nodirjon Yunusaliev, FC Daewoo Fergana Textile LLC, Uzbekistan.