

E 90

High-Performance Comber E 90
with ROBOlap Option



Highest sliver quality,
economically produced

Highly Versatile

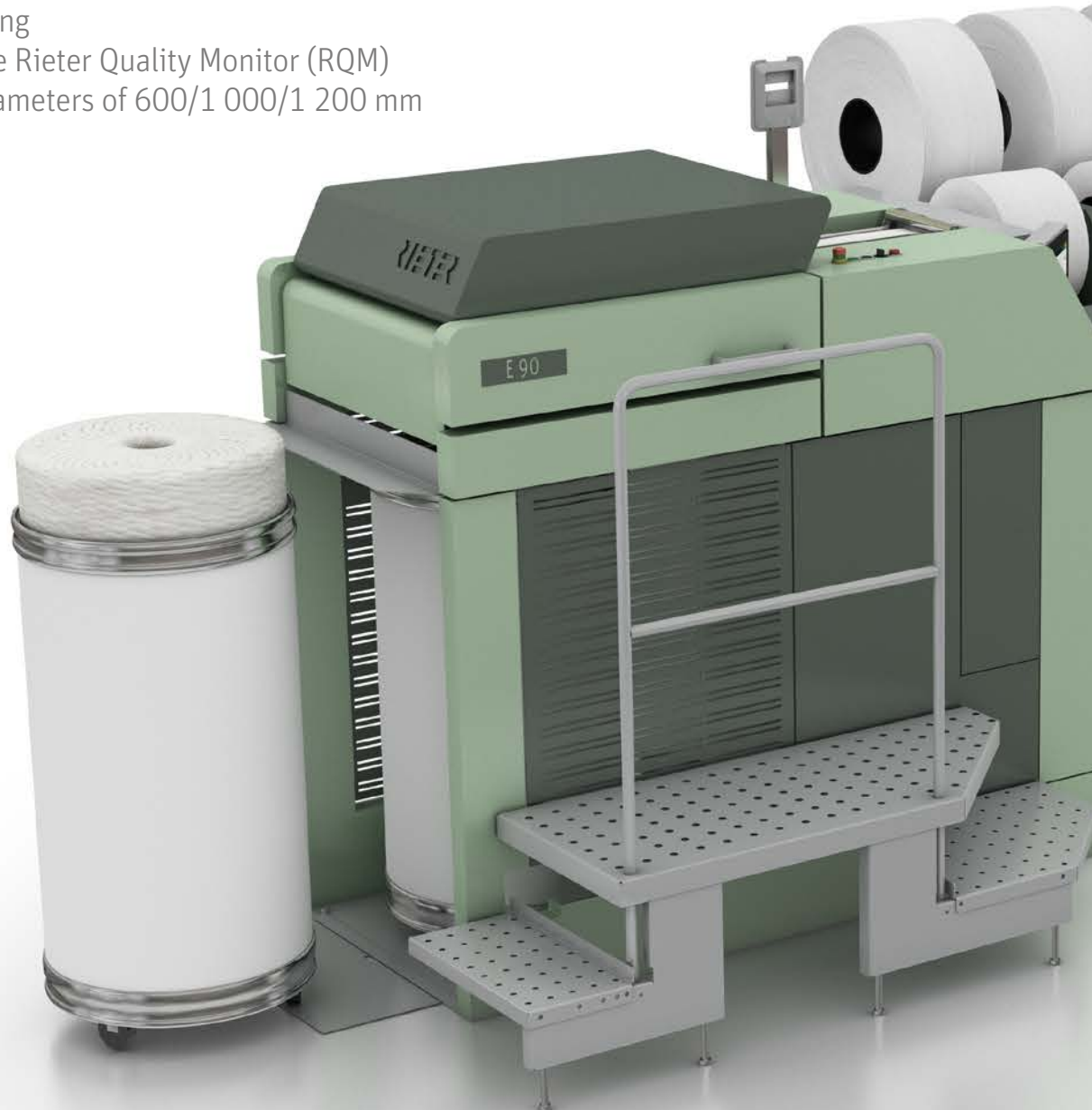
Consistently delivering the best quality in its class: from yarns with low noil extraction to fine yarns in a class of their own

Perfect Sliver Quality Thanks to Integrated Rieter Draw Frame Technology

Very easy handling

Monitored by the Rieter Quality Monitor (RQM)

For cans with diameters of 600/1 000/1 200 mm



Low Production Costs per Kilogram of Combed Sliver

Highest level of productivity and raw material utilization, as well as economical energy consumption

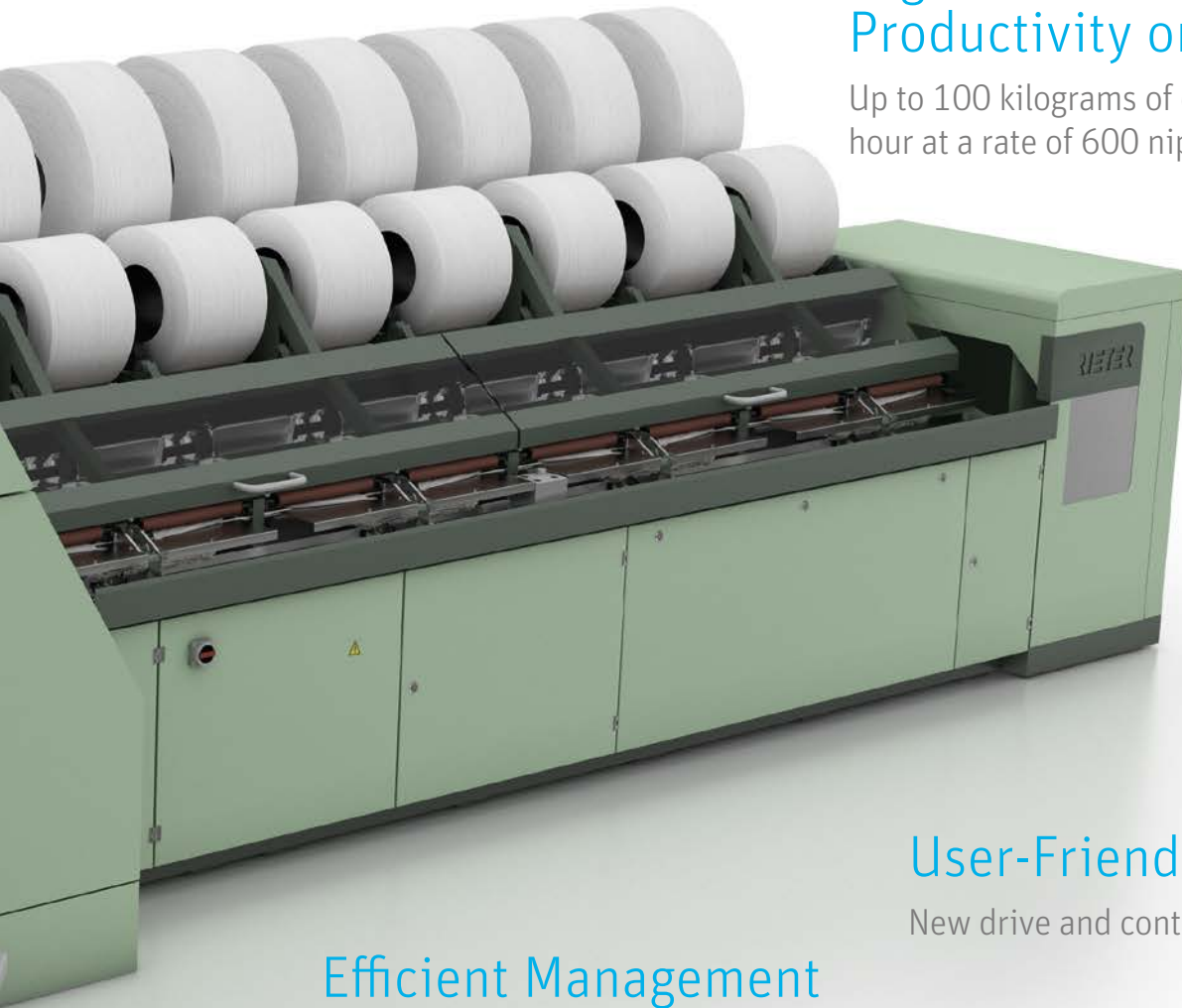
Consistent Sliver Weight

Controlled lap drive for consistent combing conditions

OUTSTANDING

ADVANTAGES

ESSENTIAL



Highest Level of Productivity on the Market

Up to 100 kilograms of combed sliver per hour at a rate of 600 nips per minute

User-Friendly

New drive and control concept

Efficient Management of Costs and Quality

ESSENTIAL – Rieter Digital Spinning Suite provides data at a glance

Reliable Automation

Fully automated lap transport with SERVOlap, plus fully automated lap change thanks to ROBOlap

Top Sliver Quality with Gentle Fiber Treatment

Technology components developed by Rieter ensure optimally coordinated combing movements

Maximum Flexibility in Applications

Highly versatile

Rieter has developed new technology components that significantly increase the range of applications of the top comb and circular comb. With this new development, it is possible to reduce the minimum noil extraction amount to 3%, without the need to change the settings of the top comb and circular comb. As a result, raw material utilization is improved significantly with low noil extraction. This creates new possibilities for spinning mill owners. Maximum output remains consistent even when producing high-quality yarns.



Circular comb Ri-Q-Comb flex-s

User-friendly

The new drive and control concept improves the user-friendliness of the E 90. Certain settings that previously required mechanical adjustment can now be configured on the operating unit within seconds. This means that the machine can be adapted to changing market conditions quickly and easily.



Parameters can be changed quickly and easily on the operating unit

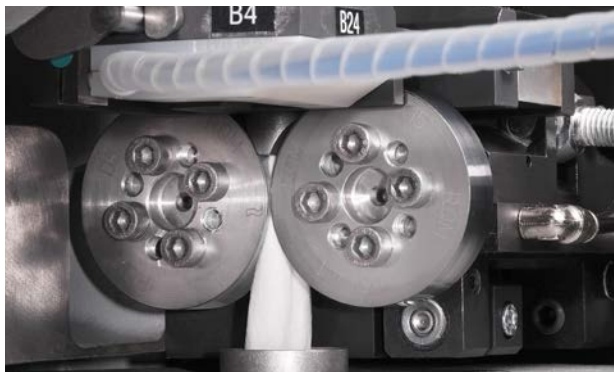
Consistently High Sliver and Yarn Quality

Integrated draw frame technology

The proven Rieter draw frame technology is now fully integrated in the E 90. The sophisticated and fully tested draw frame technology ensures consistently optimized sliver evenness, while simplifying the feed-in of material significantly.

Monitored sliver quality

The proven Rieter Quality Monitor (RQM) is now also installed in the E 90. A sensor continuously monitors the sliver quality produced by the comber. This allows deviations in sliver weight and sliver evenness to be detected early.



Rieter Quality Monitor (RQM) for consistent checks of the sliver count of the delivered sliver

Top yarn quality with gentle fiber treatment

The gentle and controlled fiber treatment is achieved by optimally coordinated combing movements and the technology elements developed by Rieter. The E 90 also works with little vibration, even at top speed. The result is a consistently high yarn quality.



High-quality sliver thanks to optimally coordinated combing movements

Consistent sliver weight and evenness

The E 90 is equipped with a controlled lap drive as standard. This lap drive ensures consistent combing conditions and therefore a constant sliver weight.



Proven Rieter draw frame technology

Maximum Economy

Up to 100 kilograms of combed sliver per hour



Comber E 90 for maximum productivity

The comber E 90 produces up to 100 kilograms of combed sliver per hour. In doing so, it achieves the highest level of productivity available on the market. The high combing speed of 600 nips per minute, as well as the stable and fault-free running behavior of the machine, enable this extremely high standard of production. This has been proven by practical tests.

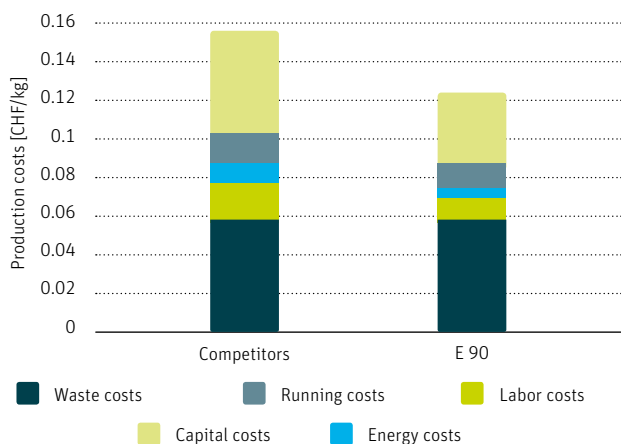
Reliable automation

The lap change and batt piecing system ROBOLap – developed by Rieter and proven for decades across the globe – enables maximum machine efficiency when used together with the fully automated lap transport system SERVOLap. At the same time, a consistently high sliver and yarn quality is ensured, while a saving of 60% of operating personnel can also be made.



Automated lap change and piecing system ROBOLap

Cost comparison



Low production costs of the E 90 comber plant
 (Example: 1 1/8" cotton, yarn Ne 40, 421 kilograms combed sliver per hour)

Low production costs

The highest levels of productivity and raw material utilization, as well as economical energy consumption, result in extremely low production costs per kilogram of combed sliver.

The new drive concept consumes up to 40% less energy than a single-motor drive. The new machine layout requires 25% less space.

The refined can change and lap change systems enable reliable and highly efficient operation of the machine – even for cans with a diameter of 1 200 mm.

Efficient management of costs and quality

All essential data relating to quality, productivity, and maintenance is available at a glance on the newly developed user interface of the operating unit.

ESSENTIAL – Rieter Digital Spinning Suite compares and analyzes data from all combers in a spinning mill and automatically generates suggestions for improving the current settings.



Clearly structured operating unit



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