RIETER

R 37

Semi-Automated Rotor Spinning Machine R 37

Economic rotor spinning with greater flexibility in raw material selection

OUTSTANDING
ADVANTAGES

Energy Saving

Low power consumption

Energy monitoring device with interface to ESSENTIAL – Rieter Digital Spinning Suite*

Maximum Productivity

Up to 600 spinning positions with up to 200m/min

Two lots at same time with fully independent machine sides

100% Proven Yarn Quality

Yarn clearer Q 10* checks yarn and piecing quality

Yarn clearer Q 20* for additional detection of foreign fibers

Fast Start-Up after Power Failure

Automated Spinning-In* with a single push of a button

Quality Spinning-In for power saving start-up with 100% checked piecings

* Option

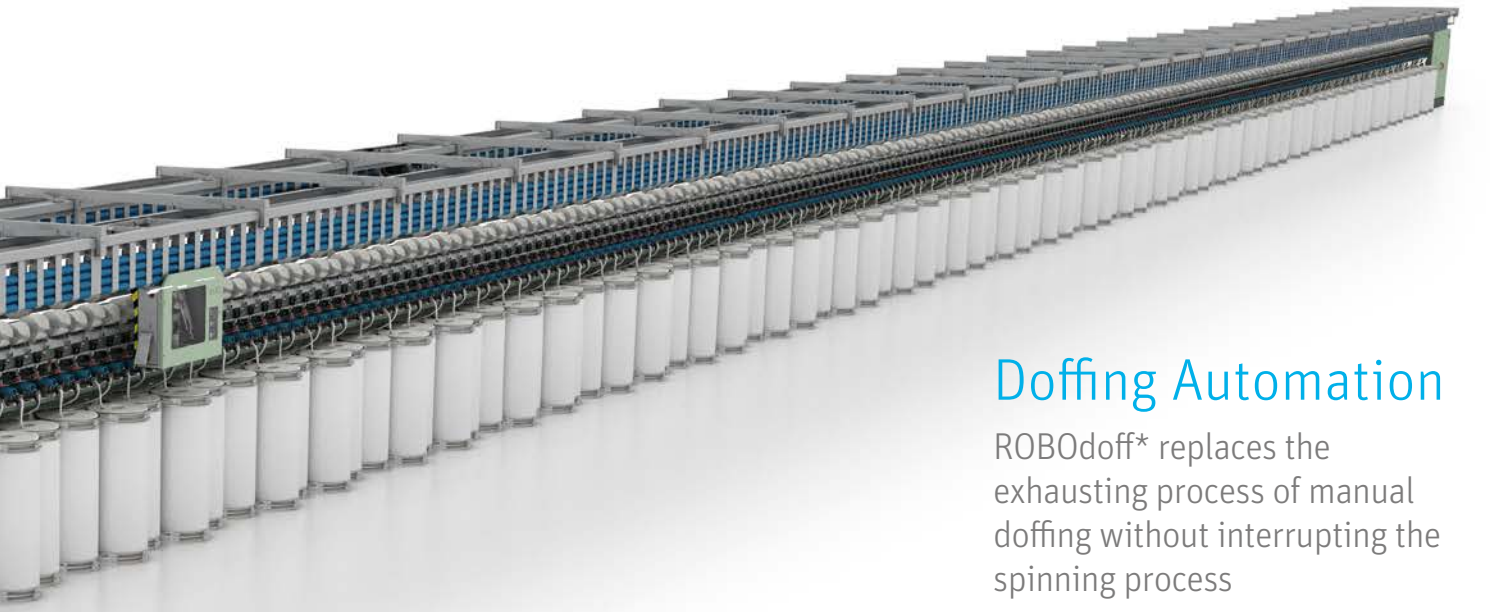
Adaptable Trash Extraction

Higher trash extraction with spinning box S 37

Adaptable thanks to exchangeable trash channel

Excellent Piecings, Easy to Operate

Piecing technologies AMIspin and AMIspin-Pro



Doffing Automation

ROBOdoff* replaces the exhausting process of manual doffing without interrupting the spinning process

Constant High Yarn Quality Guaranteed

Spinning box S 37 for high yarn tenacity, minimum imperfections and high spinning stability

Easy and Ergonomic Operation

Reduced personnel requirements thanks to perfect operating height

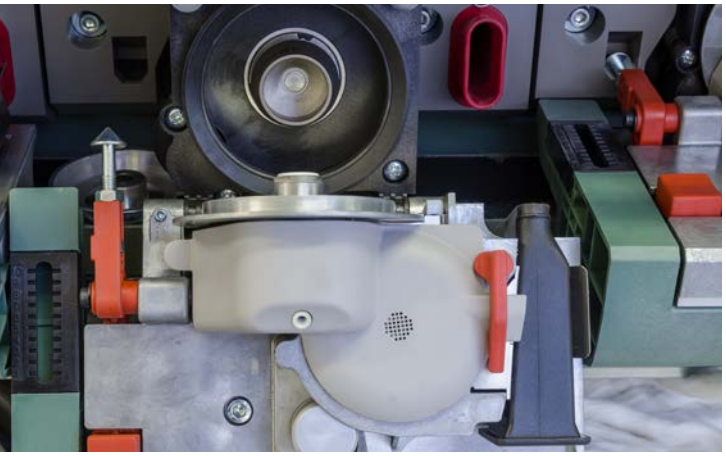
R 37

Up to 8% Higher Productivity

Excellent spinning stability

High productivity with up to 600 spinning positions

Based on its very good spinning stability, the R 37 enables a delivery speed up to 8% higher than other machines. Thanks to the low ends down rate and the unique time-saving piecing procedure with support of the piecing device AMIspin, the R 37 achieves a consistently high machine efficiency.
Due to its robust design, the R 37 is able to run full speed with 200 m/min at full machine length. A fast start-up makes sure that the machine returns quickly to full production after a machine stop.



Excellent spinning stability

For the semi-automated rotor spinning machine R 37, the spinning box has been redesigned and is now equipped with an exchangeable trash channel. The reliable spinning process causes less ends down than on other machines. The R 37 now can be adapted for more types of raw materials.

Easy and time-saving operation

The particularly low working height of the R 37 combined with the piecing device AMIspin makes the machine easier to work with. As a result up to 10% more spinning positions can be served by the same number of operators compared to other machines.

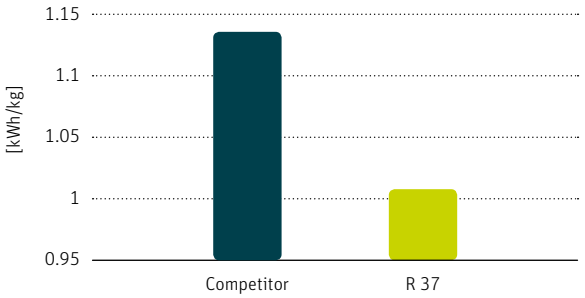
Low Energy Consumption

Highly efficient drive system

Low power consumption

Up to 11% lower power consumption can be achieved by the R 37 compared to competitor models. This is due to the modern drive concept.

Power consumption
Cotton waste blend, Ne 21



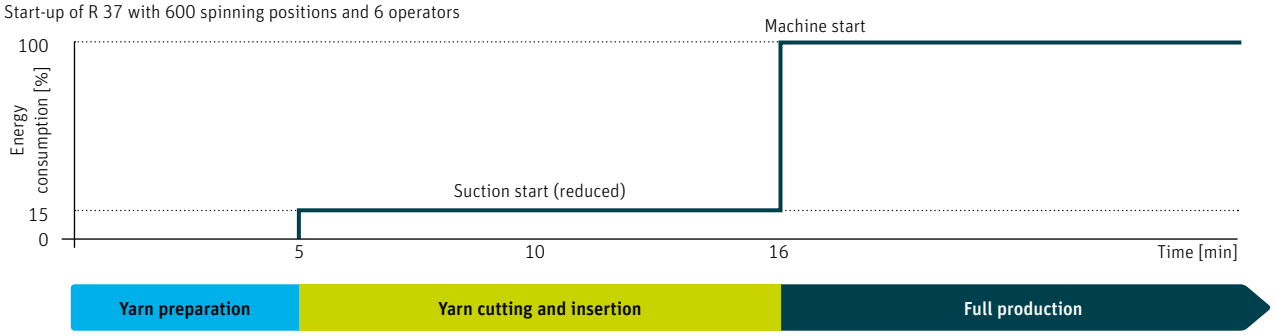
Monitoring of the energy consumption

The R 37 can be equipped with energy monitoring devices* that measure the actual energy consumption of the machine. The data are shown on the operating unit and can be transmitted to the central data system of ESSENTIAL – Rieter Digital Spinning Suite.*

Quality Spinning-In (QSI): Power-saving start-up with 100% AMIspin piecing quality

The unique QSI process with AMIspin optimizes the start-up of a complete machine within minimum operating time and with minimized energy consumption. The procedure needs hardly more than 15 minutes requiring six operators for a machine with 600 spinning positions. This results in 100% checked piecings in known AMIspin quality while the machine consumes only a small amount of power until the final start.

Energy saving with rapid Quality Spinning-In
Start-up of R 37 with 600 spinning positions and 6 operators

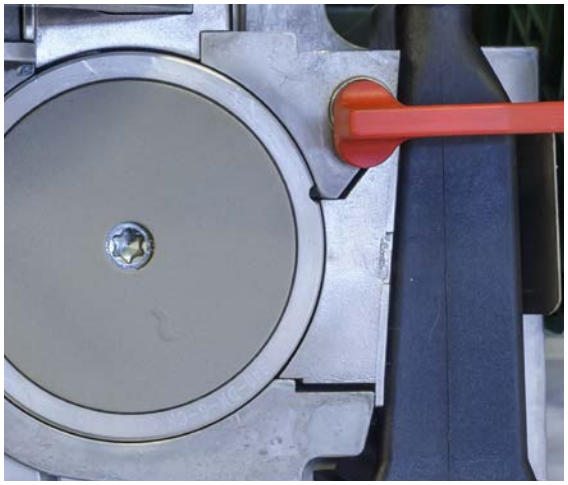


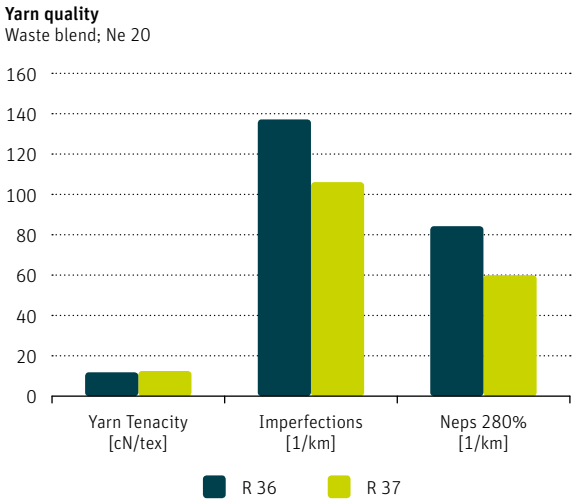
Greater Flexibility in Raw Material Selection

Exchangeable trash channel allows to extract more trash

Clean yarn from a large variety of raw materials

The spinning box of R 37 is now equipped with an exchangeable trash channel for more trash extraction than before. Several trash channels are available for clean raw materials as well as for fibers like linen, regenerated wool etc. The new design also allows changing the fiber channel in case of high wear e.g. due to spinning of highly abrasive raw materials.





Assured quality with digital yarn clearers*

The digital Rieter yarn clearer Q 10 precisely monitors yarn and piecings at all times. The clearer responds rapidly to changes in sliver weight, which is especially important in the direct process. The reliable optical measuring principle is insensitive to climatic conditions.

New option for clearing foreign fibers

The R 37 can alternatively be equipped with the yarn clearer Q 20. This yarn clearer contains an additional optical detection device for foreign matters.

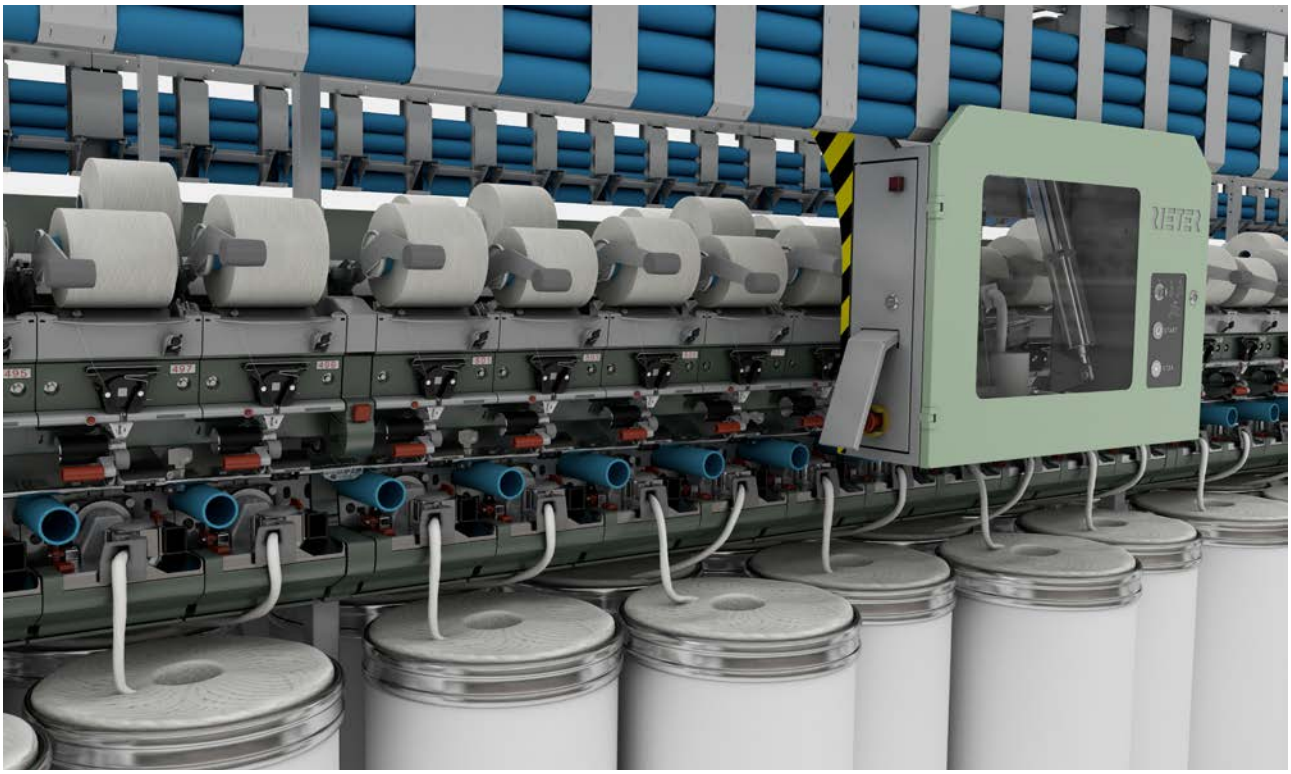
* Option

Package Change Without Operator

Doffing automation ROBOdoff without interrupting the spinning process

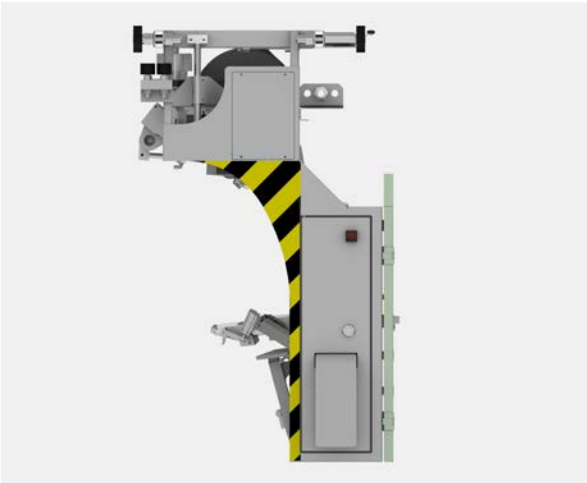
Replaces most exhausting work and saves operator cost

The ROBOdoff* for R 37 is a device for automated package change. The robot replaces full packages with a prepared empty tube along each machine side. For the doffing of a spinning position, ROBOdoff does not interrupt the spinning process.

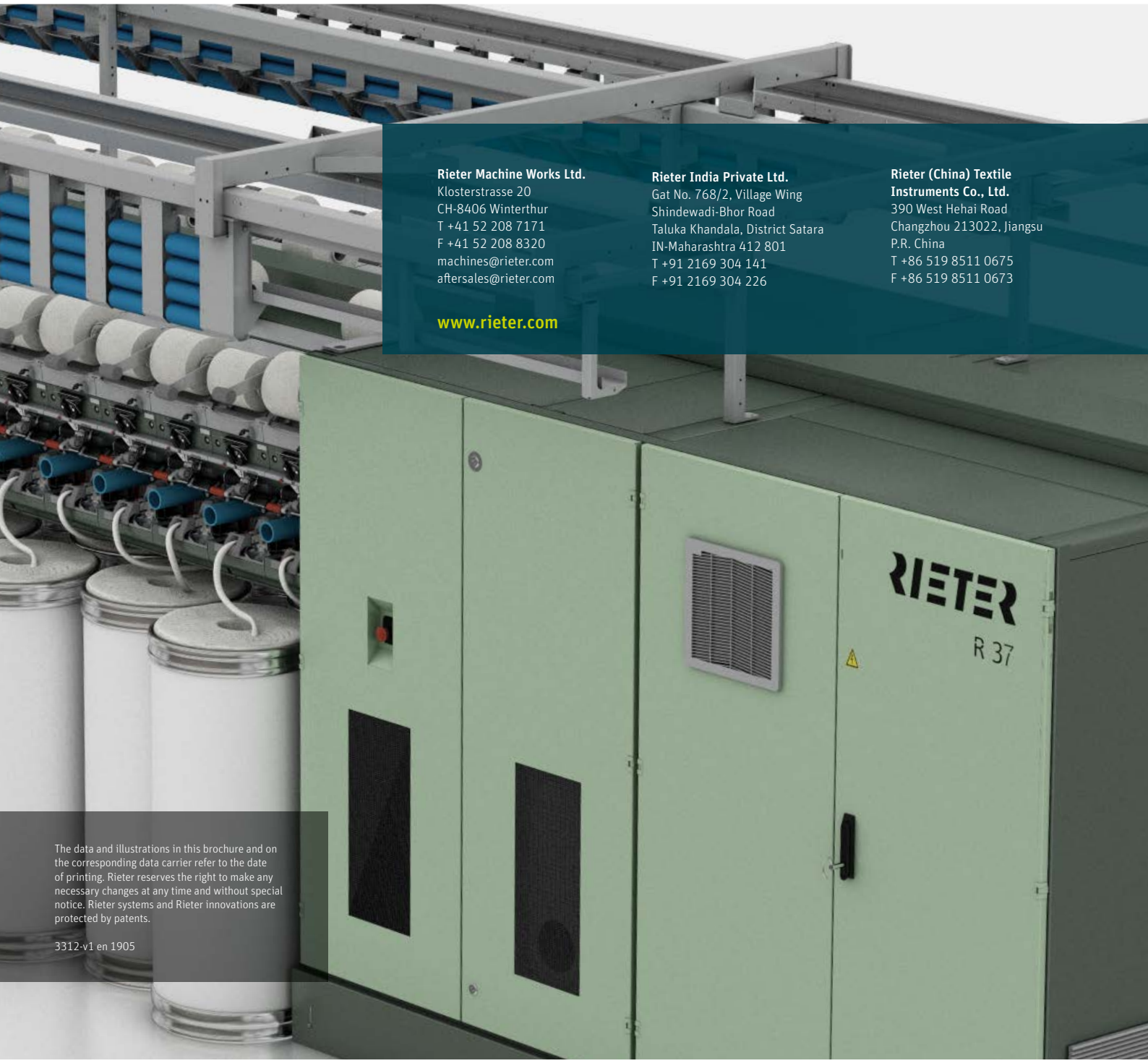


Constant package length within defined tolerances

The ROBOdoff considers the actual package length. This guarantees that all doffed packages have a package length exactly within the defined tolerance. A consistent and proper formation of the transfer tail is also the result of the ROBOdoff.



* Option



Rieter Machine Works Ltd.
Klosterstrasse 20
CH-8406 Winterthur
T +41 52 208 7171
F +41 52 208 8320
machines@rieter.com
aftersales@rieter.com

www.rieter.com

Rieter India Private Ltd.
Gat No. 768/2, Village Wing
Shindewadi-Bhor Road
Taluka Khandala, District Satara
IN-Maharashtra 412 801
T +91 2169 304 141
F +91 2169 304 226

Rieter (China) Textile Instruments Co., Ltd.
390 West Hehai Road
Changzhou 213022, Jiangsu
P.R. China
T +86 519 8511 0675
F +86 519 8511 0673

3312-v1 en 1905