

18mm
traversing
No extra cost

Cost efficient
High quality yarn
Made in Switzerland

Upgrade Kit to **RECOMPACT[®] 3.T** SWISS MADE for Rieter K-frames

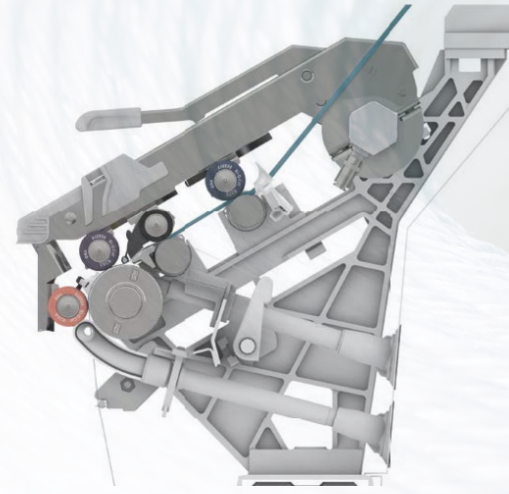
Mechanical Compact Solution - A second life for Rieter K-frames

100%
Swiss made.



A second life for Rieter K-frames

Compact spinning was introduced as a trial system in 1995. Later in the year 2000, Rieter introduced an innovation in the air guide providing more fibre compactness. It was called K44-C.om4, the Rieter K-frame and it uses suction compact technology. If clean long combed fibers are used, the K-system delivers good yarn results for fine yarns. However, on the sourcing market there are by default less long fibers available. Especially cotton has - by nature - shorter fibres. If the high quality material is not available, by our experience, the suction compact will lose its fine-yarn advantage. In reality the K-frame is often used to spin coarser counts and short carded fibers. Pneumatic (suction) compact causes higher cost of material and additional energy consumption. Our upgrade can be used to give the Rieter K-frame a second life to save resources, energy and costs for expensive spare parts. Therefore the economical effect and the cost benefits are significant.

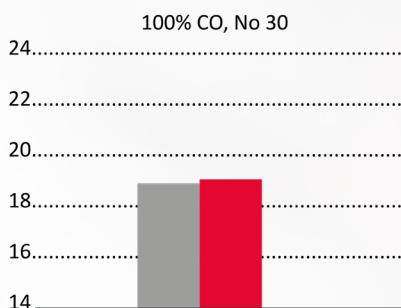


Source: Rieter K47 Brochure, S. 20

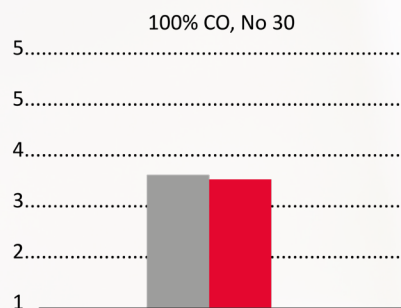
It is now possible to spin short staple fibers with a mechanical compact system upgraded to the Rieter machine and achieve the same yarn quality with significantly reduced costs (same cost as conventional spinning) on the Rieter K-frame. The Rieter K-frame requires a high cleaning effort (cleaning the air guides) and vacuum. In contrast, a mechanical compact upgrade is maintenance friendly and only uses half the amount of vacuum for suction. With the Recomcompact 3.T upgrade the spinner has the benefit of low costs for spare parts. A new drum cylinders every 10 years for example can be as expensive as a new chinese ring spinning machine. Additionally the low energy consumption and the fast maintenance are the main benefits. For our valued customers who own the K-machine, we want to offer an upgrade from the K-frame suction compact to a mechanical compact system. We offer a patent pending solution to upgrade the Recomcompact 3.T unit on the K-machine, which provides the customer 18mm controlled traversing and significant savings on spare part and vacuum costs.

Impact on the yarn characteristics Environmentally friendly

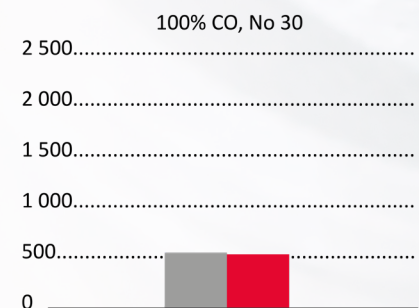
TENACITY IN CN/TEX



HAIRINESS H



IPI



■ Rieter K-frame ■ RECOMPACT 3.T UPGRADE

Advantages

Your success is our mission.



ECONOMIC

- Decreases use of suction/vacuum
- Same yarn quality as vacuum spinning



LOW MAINTENANCE

- Same as conventional spinning
- No rotation for rollers and aprons needed
- Same lifetime of the cots and aprons as conventional spinning



APPLICABLE

- Suitable for Rieter K ring spinning machines
- Easy to install
- Processes all standard materials

HIGH PERFORMANCE

- Optimized geometry for Rieter K-frames
- Precise centering for roving
- Excellent yarn characteristics

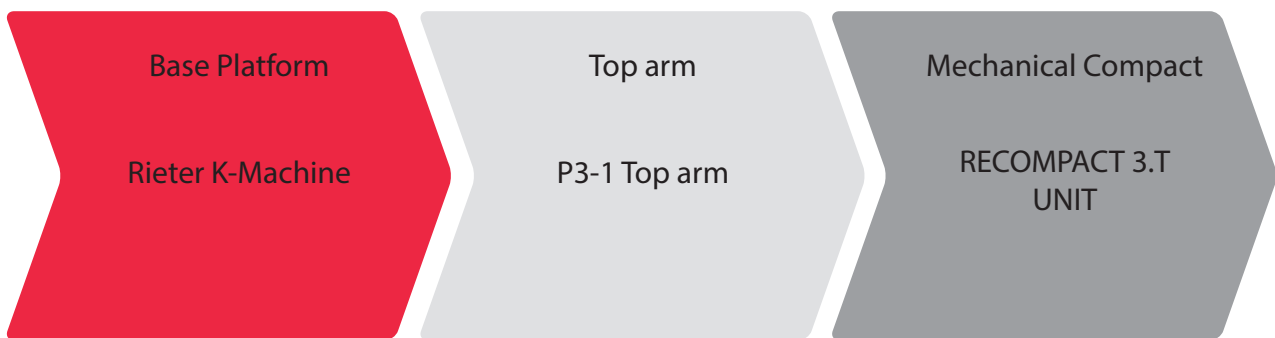


OPERATOR FRIENDLY

- Manual / fully automated traversing
- 18 mm controlled traversing on the cots
- Little manpower needed

Mechanical compacting solution for Rieter K-frames

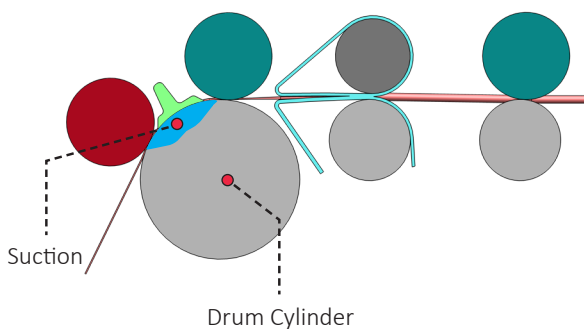
It can be installed on Rieter K-frames and is compatible with the P3-1 top arm.
 The following option is possible:



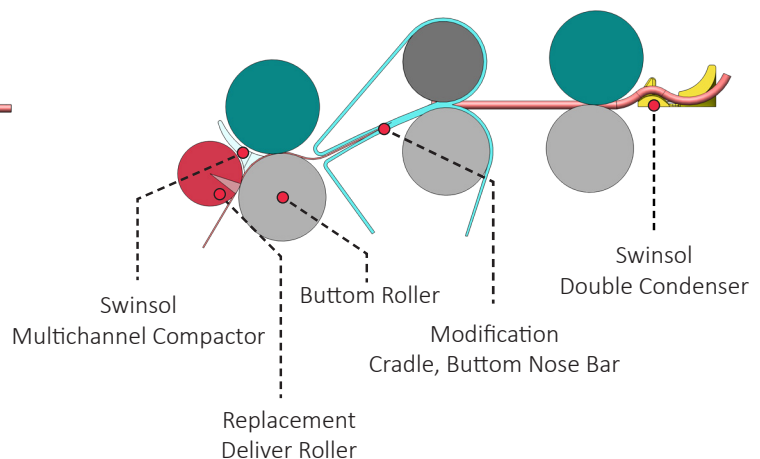
Assembly Option & Geometry

The following Geometry has been changed. On the left side you see the original drafting unit for vacuum compact and on the right side the new drafting unit for mechanical compact:

Original drafting unit for vacuum compact



New drafting unit for mechanical compact

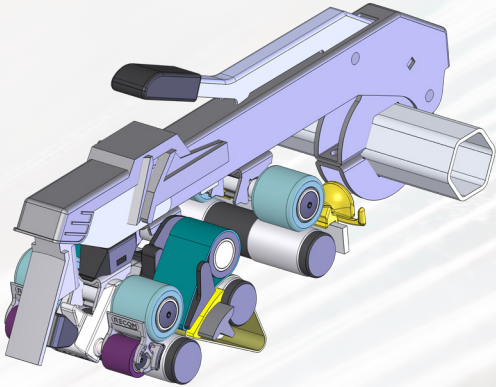


Upgrade to Recomcompact 3.T

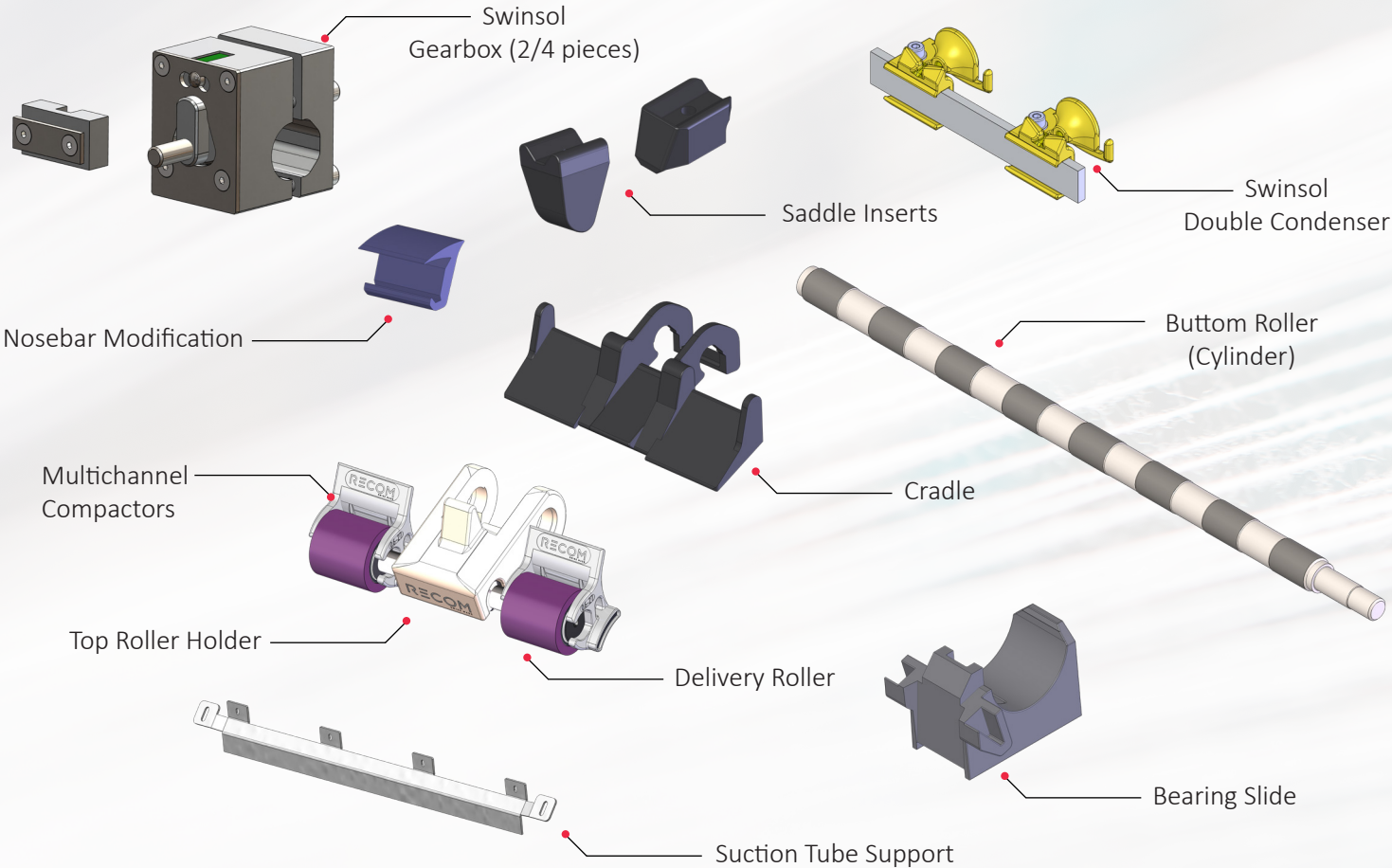
Upgrade to **RECOMPACT 3.T**

Scope of supply: Multi-channel compactors, Double condenser, Top roller holder, Delivery roller, Cradle, Bearing slide, Saddle inserts, Nosebar Modification, Cylinder, Suction tube support, Gearbox

Settings by Recomcompact 3.T
 installation of new components



Scope of Supply



Conversion to Mechanical Compact

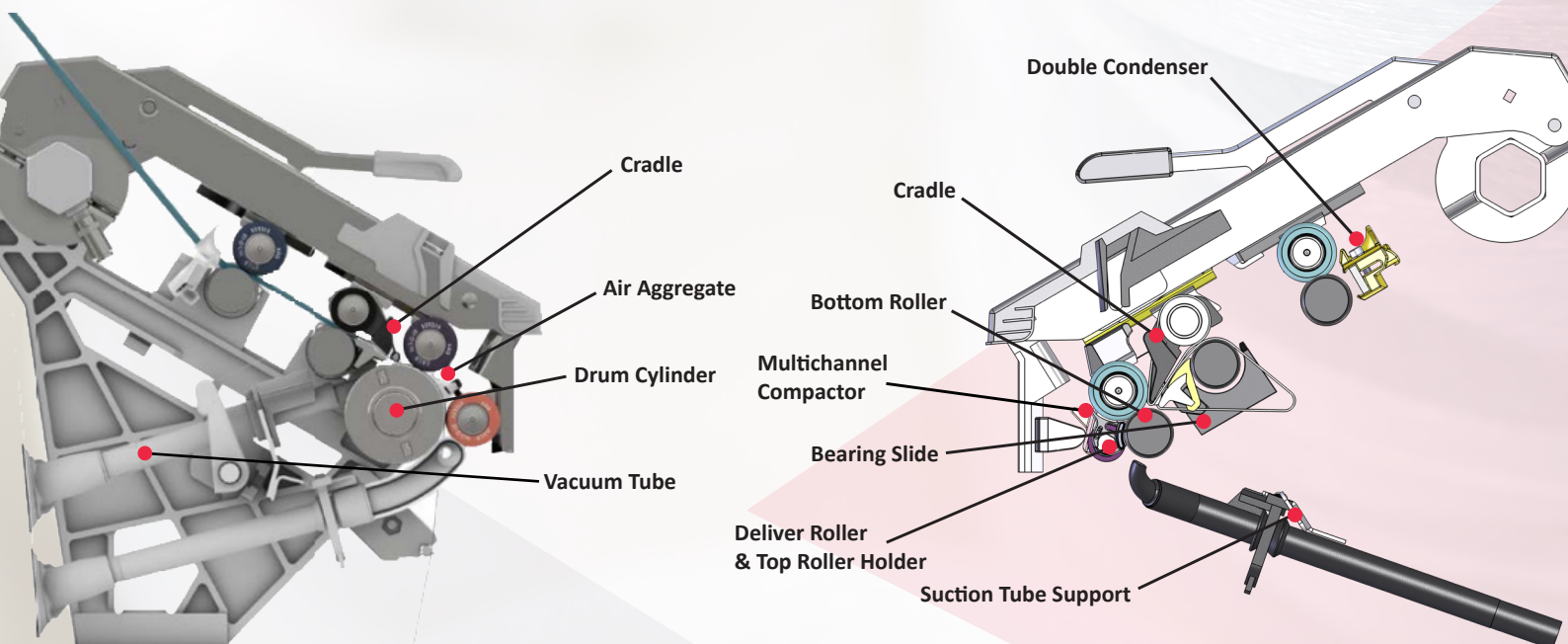
In the process of the modification from the suction compact to the mechanical compact system for the Rieter K-machines, the focus has been on:

- Modify as few parts as possible - to reduce costs
- Provide a user friendly solution
- High compact yarn quality
- Reduce suction
- Same costs as conventional spinning



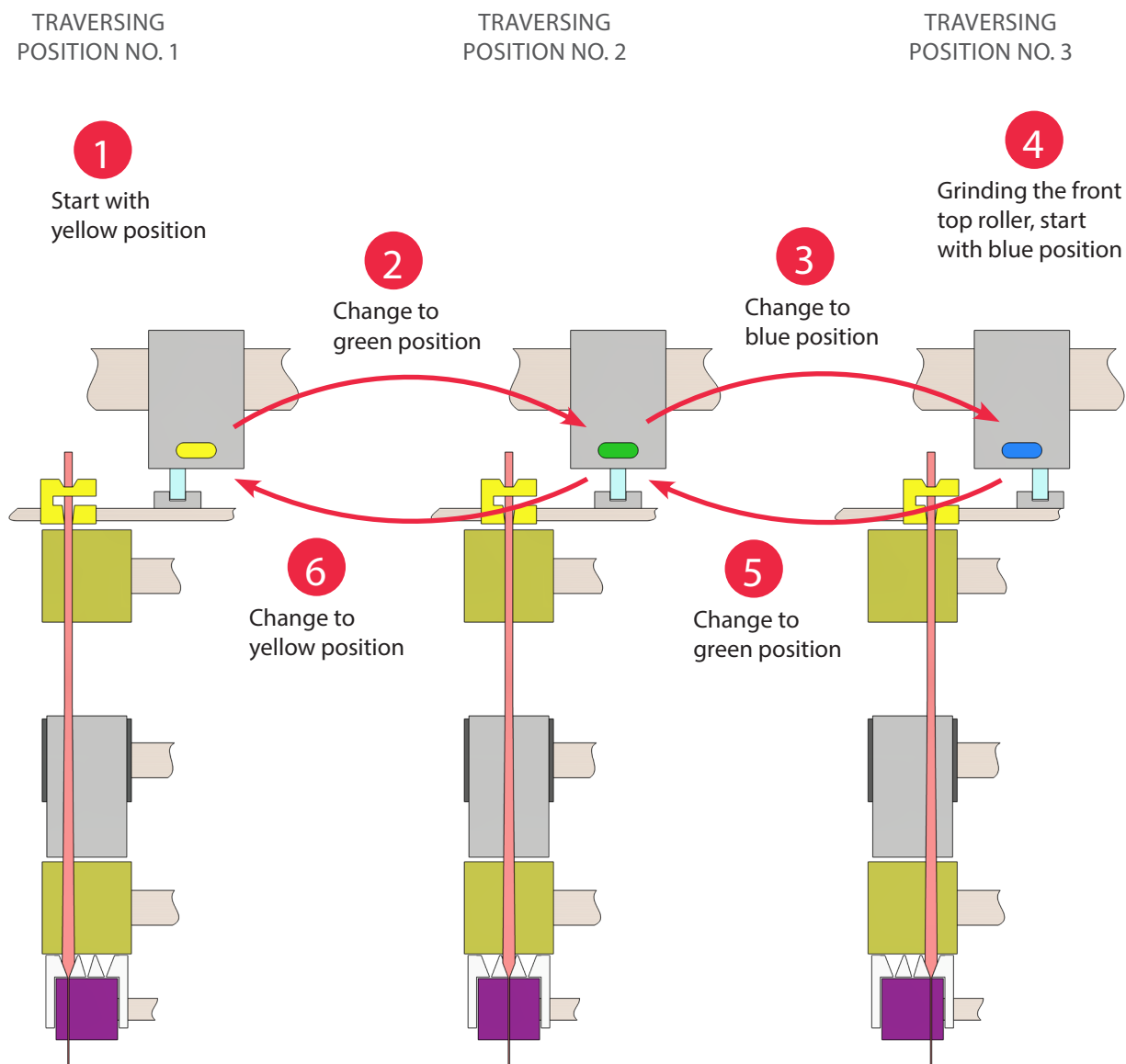
Replacement of parts

We have focused on keeping the costs for the conversion low, so we implemented a cost effective solution. The conversion of the drafting device is shown in the pictures. The position of the original cylinders is unchanged, but the drum cylinder is replaced with a bottom roller cylinder. A new bearing slide was invented for an optimal bottom nose bar position. The hole between the bottom nose bar and the aprons has been closed with an intermediate piece, so that the apron guiding is in an optimal position. The front top roller is set in a new position and composed with saddle inserts. The position is designed, so that the necessary pressure for spinning is achieved. The top roller holder stabilizes the position of the delivery roller. We are using the original Spring Unit to achieve the required load on the delivery roller. The cradle is the same, except for minor modifications. The original suction tube is used, only the support is a new piece in order to guarantee the optimal distance between delivery rollers and spinning area. During tests, we found no difference in yarn quality between mechanical compaction and vacuum compaction. With this conversion, we give the Rieter K-machine a second life. The Upgrade saves valuable resources and significantly reduces energy costs for the yarn production of the machine.



Source: Rieter K47 Brochure, S. 20

How does the principle of controlled traversing work?



Repeat the steps from 1 to 6 according to your quality and performance control.



For free trials &
more information,
please contact us!

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