Ring and compact spinning
All types of ring and compact-spinning machines

RIETER

Gripper Membrane

Improved material for extended lifetime

Your benefits:

- Improved material properties for extended lifetime
- Consistently low doffing cycle time
- Increased productivity

Improved Material for Extended Lifetime

Consistent doffing performance

The gripper membrane is an integral part of the gripper assembly. During each doffing operation, the gripper membrane will inflate and deflate to pick up and drop the cops in its position. The proper functioning (inflate and deflate) of the gripper membrane is essential to maintain a robust process with a consistently low doffing time and little required human interaction.

The new gripper membrane is made of a new Thermoplastic Polyurethane (TPU) H20 which slows down the aging process and therefore extends the lifetime.

This leads to the following benefits for customers:
- Extension of the parts lifetime
- Reliable doffing cycle time
- Increased machine productivity

Optimize

Additional measures can be taken to further increase the lifetime of the gripper membrane. Optimizing air pressure and inflation time does not only reduce operation cost and increase sustainability, it also extends the gripper membrane lifetime. A detailed description of all measures can be found in the operation manual.

Availability and installation

The improved gripper membrane is suitable for all Rieter ring and compact-spinning models. The installation can be done by customers using the tools supplied along with the machine or the gripper membrane order.

Gripper assembly

Lifetime of key parts:

1. Gripper membrane: 3 – 5 years
2. Gripper ring: ~ 9 – 10 years

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