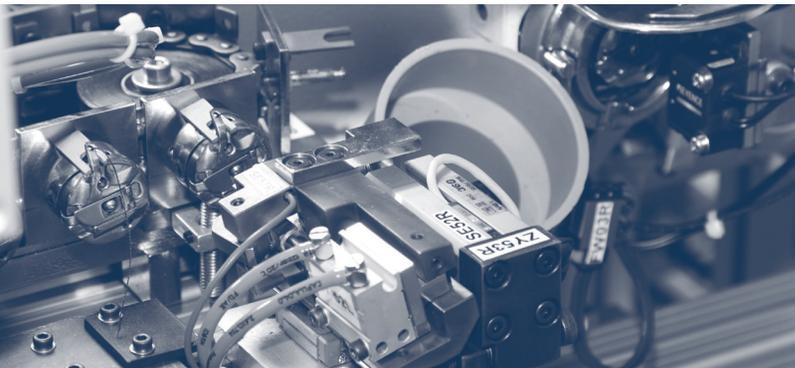




AUTOMATION TECHNICS

The patented key to automate your sewing process!

# The Fully Automatic RSG Bobbin Exchanger



## The Idea

- The Manual exchange of bobbin and bobbin case currently still needs quite long setup times.
- The new RSG invention solves this problem forever!

## The Concept

- Our patented Color Thread Monitoring system CTMS recognizes empty bobbins.
- A smart gripper system opens the bobbin-case automatically.
- The empty bobbin is removed and collected of in a separate container.
- After removal of the empty bobbin, the gripper system takes up a new full bobbin.
- The Transfer of the full bobbin is carried out by a vertically rotating bobbin magazine.
- The new bobbin is automatically inserted into the sewing machine.
- After the brief bobbin exchange, the production process continues.

## The Advantages

- Revolutionary, fully automated system; CE approved and patented
- Available in different sizes as Single exchanger for one bobbin or as Multiple exchanger for up to 22 bobbins.
- Only minimal production-stop (about 6-8 seconds).
- Drastic production-output increases.
- Loading of magazine possible during ongoing production process.
- Unrivalled opportunity to manufacture during production-breaks or after closing hours.
- Avoidance of wrongly installed bobbins
- Adaptation to many different sewing machines possible.
- Retrofitting of existing machines possible any time.
- Torn thread detection by patented colored bobbins with RSG CTMS (Color Thread Monitoring System) based on the Poke Yoke concept.
- Check out our automated Bobbin Winder as an perfect accessory.
- Flexible and user-friendly control with our SAT-Flex / SAT-Control System.

... we make things better ...

**Find out more about the innovative automation-concepts "Narrow-Matic" by RSG!**

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