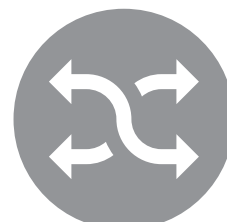


# Individual Combing Section Monitoring

Customized solution



Combing machines are either equipped with a central or a single head monitoring system. The monitoring system controls the sliver thickness. Single head monitoring means that each of eight slivers is monitored separately. In case of central monitoring, all 8 sections are monitored together.

## The Challenge

Central monitoring does not allow the identification of the exact combing section responsible for an error. In addition, it can even lead to a false shutdown of the machine. This occurs when one of the eight slots is obstructed, either by dirt or accumulated fiber fly, which prevents the light signal to reach the receiver. The system detects an abnormality and automatically shuts down the machine.



Single head monitoring LED

## The Solution

Rieter engineers developed a customized solution to upgrade combers from central to single head monitoring. Thanks to a red LED indicator, the operator is able to easily identify which combing section led to the error and to quickly take action to solve it.

## Customer Value

This customized solution allows the recording of incidents. The customer profits from an easy identification of bad quality laps which results in better and stable quality. Single head monitoring significantly improves the quality by preventing incorrect mechanical settings and detecting defective parts at an early stage of the process. As false error detection is eliminated, the amount of shutdown is also reduced leading to an increased productivity.

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