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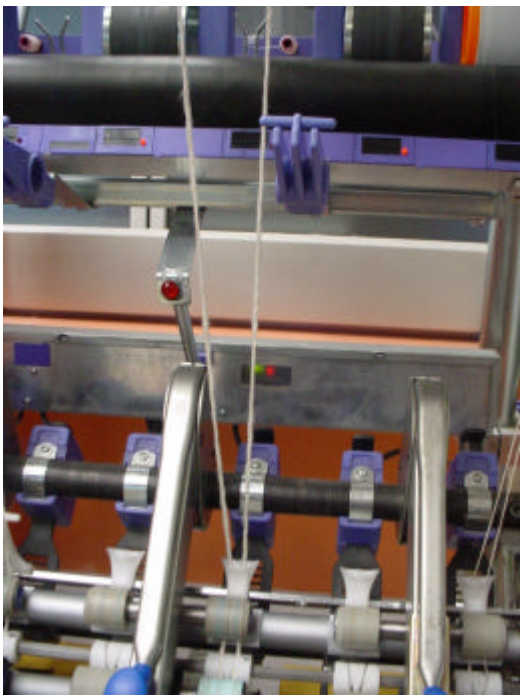
A new solution for maximum efficiency:

Detectors and Roving Stop by PINTER



Pinter has always strived to give spinning solutions to our customers' challenges. The new range of detectors and roving stop devices is one step forward for the achievement of perfect quality and maximum efficiency.

Pinter offers different types of detectors depending on the use:

- **Mobile sensor (Mouse)**: designed for the detection of medium and coarse count elastomers or filaments. One sensor per side of the ring frame travels along a guide and checks the breakage of the filament. This system offers a reliable, simple and economical detection.
- **Filament individual fixed sensor (IFD)**: designed for the detection of finer filament counts. It offers also the possibility to activate a roving stop device.
- **Yarn individual fixed sensor (IYD)**: designed to detect a yarn end-down. It can be connected to a roving stop device as well. The detection is carried out either through a sensor at the pigtail or at the ring rail.

The roving stop device (RSD) is activated either when the yarn or the filament sensors detect the absence of material. By stopping the roving hank several advantages can be achieved:

- No lappings. No breakage of parts: aprons, supports
- No flying fibres. No additional unwanted imperfections
- Less workers. They can be reassigned to other duties
- Less pneumafil waste. Cleaner filters

Additional features of the system include a software (PMS) that collects data from the ring frame and transfers to a central PC that will monitor:

- **Rate of end-downs**: this is very helpful to evaluate the performance of different types of cottons.
- **Average time of end-downs**: very helpful to distribute the workers among the ring frames.
- **Fine-tuning of spindle speed**: during the formation of the bobbin the software gives you the position where most of the end-downs occur.
- **Efficiency and production parameters**: very helpful to keep statistical records, shift analysis and comparison studies.