

THREAD BREAK DETECTION

The AccraTec elastic thread feeding systems may be provided with optional thread break detection systems which provide monitoring of each individual thread. Three thread break sensing types are available and each type of sensor is reliable and proven through extensive use in the textile industry.

- Yuasa mechanical thread break detection switch.
- Stuber Sensostop capacitive stop motion sensors.
- BTSR Electronic stop motion sensors

Yuasa Mechanical Switches

The individual Yuasa switches have a ceramic coated lever arm that monitors the presence of an individual thread and controls the switch contact. The thread is guided over the switch arm holding the switch contact open and when a thread break occurs the switch arm is released and the switch contact closes. The thread contact with the switch arm is very light and has no effect on the thread elongation or performance. Switches are wired individually.

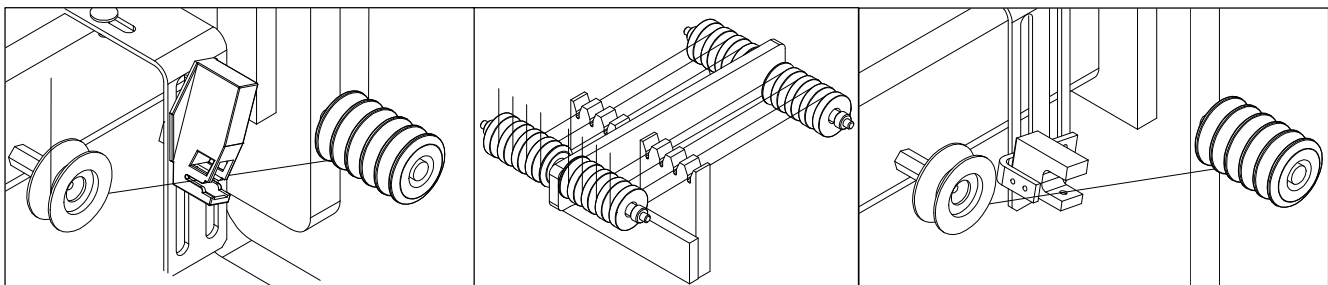
Stuber Sensostop Sensors

Stuber sensors are available in single and (4) thread ganged assemblies. The control and sensing circuitry is integral to each assembly and is connected to a control panel with a (5) pin connector. Each individual thread is guided through a ceramic “key hole” style sensor which senses the presence of a moving thread. When the thread is absent or the motion stops the integral sensor control sends a signal. No thread contact is required with the Stuber system. Each gang of individual thread sensors are wired in series.

BTSR Electronic Sensors

Individual BTSR sensors are aligned with each individual thread. The threads are guided through the sensor’s “U” shaped opening, which senses the presence of a moving thread. When the thread is absent or the motion stops, the sensor sends a signal to a remote mounted control . No thread contact is required with the BTSR system. Individual sensors are wired in series.

The thread break sensors are integrally mounted on the unwind system using adjustable alignment brackets, and are wired to provide customer power and signal field connections.



Yuasa Mechanical
Switches

Stuber Sensostop
Sensors

BTSR Electronic
Sensors

AccraTec will provide a quotation for a thread break detection system upon request.

Email request to Daniel J. Heaney at dan@accratec.com
Or contact via the information below.