

STICKY DEPOSITS & END BREAKAGES

in Ring Frame



Technical Guide

Excessive fly and sticky deposition on the top back and front cots, high FD (Foreign Fibre Detector) and PP (Polypropylene) cuts, frequent alarm bobbins, and increased ring frame breakages are mainly attributed to stickiness in fibres and lower TM values in simplex.

Interventions

1 Optimize Upstream Processes

- Control stickiness in fibre preparation before spinning and optimize blowroom, carding and preparation processes.

2 Periodic Machine Cleaning

- Clean ring frame drafting top rolls (front and back) daily on running machines with a dry cloth to remove fly and sticky deposits.
- Clean ring frame steel bottom rollers weekly with a brush or other suitable means to keep rolls clear of sticky deposits.

3 Maintaining Optimal Spinning Conditions

- Maintain relative humidity (RH) at $45 \pm 1\%$ and temperature at 36-37 (max 37.5).
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Desired Results

- Fewer end breakages and clearer cuts.
 - Stable ring frame operation and higher productivity.
 - Better yarn appearance and winding efficiency.
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