

FLEECE CUT, FLY DEPOSIT & SLIVER BREAKAGES

in Comber



Technical Guide

Challenges such as higher fleece cut, excessive fly accumulation in the omega lap, and frequent sliver breakages are often linked to detaching roller diameter, roller pressure, and fibres stickiness with kitti.

Interventions

- 1 Optimize Upstream Processes**
 - Control stickiness in fibre preparation before spinning and optimize blowroom, carding and other preparation processes.
 - 2 Periodic Machine Cleaning**
 - Clean comber detaching rolls/draw box top rolls every 8 hours with water or a dry cloth.
 - 3 Maintaining Optimal Spinning Conditions**
 - Maintain relative humidity (RH) at $45 \pm 2\%$ and temperature at $35\text{--}36^{\circ}\text{C}$.
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Desired Results

- Minimized fleece cuts and smoother fiber detachment.
 - Controlled noil percentage and higher usable yield.
 - Enhanced comber running efficiency and yarn uniformity.
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