

FLY & DUST DEPOSITION

in Draw Frame

Sticky fibers may attract dust and fly to top rollers and clearers, affecting sliver quality and causing periodic sliver thick and thin faults.

Interventions

- 1 Optimize Upstream Processes**
 - Control stickiness in fibre preparation before spinning, and optimize blowroom and carding processes.
 - 2 Periodic Machine Cleaning**
 - Clean draw frame top rollers every 2-hours to maintain sliver quality.
 - 3 Proper Suction and Pressure Settings**
 - Ensure top roller pressure and suction are balanced to prevent build-up.
 - 4 Maintaining Optimal Spinning Conditions**
 - Maintain relative humidity (RH) at 45 ± 2 % and temperature 35–36 °C.
-

Desired Results

- Reduced fiber and dust accumulation on rollers.
 - Uniform sliver output with improved drafting control.
 - Stable machine running with fewer stoppages.
-