

SMART YARN CATCHER

The ultimate solution to eliminate residual yarn accumulation on ring frame spindles



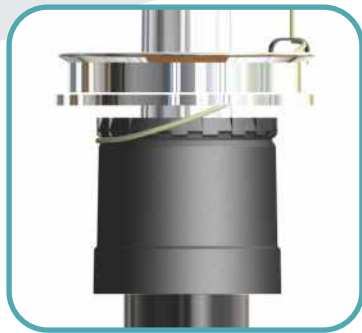
Accumulation of residual yarn on ring frame spindles at the end of every doff has been a perennial problem for the spinning industry. The accumulated residual yarn is not only a waste of material, but also needs to be manually cleaned, which involves many man-hours and also affects the productivity of the ring frames.

No more accumulation of residual yarn – with the TeraSpin Smart Yarn Catcher

Continuous innovation is TeraSpin's hallmark. TeraSpin has developed a Smart Yarn Catcher that is self-cleaning. The residual yarn left behind after every doff is expelled by centrifugal forces – putting an end to a major pain area in the operation of ring frames!

**Smart Yarn Catcher = No more residual yarn accumulation ⇒
No more cleaning required ⇒ Saving in labour hours ⇒
Better machine utilisation ⇒ Better ring frame productivity**





Smart Yarn Catcher closed – yarn gripped



Smart Yarn Catcher open – yarn released

The TeraSpin **Smart Yarn Catcher** addresses the need of spinners for a user friendly yarn clamping device on every ring frame spindle.

Features

- Automatic opening & closing of clamping faces with change in spindle speed
 - Clamping faces open at 12500 rpm (+/- 1000 rpm)
 - Clamping faces close at 6000 rpm (+/- 500 rpm)
- Firm grip of yarn between upper & lower clamping faces which can align precisely with each other due to unique mechanism
- Nylon cutter for yarn cutting

Benefits

- **Minimum yarn used for clamping**
- **No accumulation of residual yarn** – the flat annular clamping faces enable the clamped yarn to move out of device easily by centrifugal forces
- No cleaning of residual yarn – less labour hours
- Reduced start-up breaks
- Improved ring frame productivity
- Very long service life

Full cop	Under winding takes place at 7000 rpm	Machine stopped Below 6000 rpm yarn is clamped	Tube removal Yarn gets cut during tube removal	Starting of new doff Yarn remains clamped up to 12500 rpm	Spinning Yarn clamped during previous doff gets released above 12500 rpm



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