



MagZfeed



MagZfeed - Magazine feeder for Autoconer



Lakshmi Precision Technologies Limited (formerly known as Lakshmi Precision Tools Limited) is an ISO 9001, ISO 14001, ISO 45001 and 5s Certified company established in 1983. Headquartered in Coimbatore, India, the city known for textile machinery and manufacturing; LPT is associated with Lakshmi Machine Works Ltd (LMW), a world leader in textile machinery.

From inception, LPT has built renown in precision manufacturing of engineering & Medical components. Apart from this, LPT is a leading manufacturer of Speed Frame Flyers, Semi- Automatic Ring Frame Doffers, critical textile machinery components and its sub-assemblies.

MagZfeed – Unique machine to reduce the operator fatigue of filling up the cops in Auto-Coner Magazines.

MagZfeed is used to load the Full cops into the magazine of the Auto-coner by the Automatic pick and place mechanism.

The Cops fed into the MagZfeed are self-oriented and put the yarn inside the suction port by pulling the yarn end from the cop by the Suction device.

The cops are guided to every drum thru a conveyor drive Rollers, maintains the consistency, efficiency Safety and cost effectiveness in auto feeding system.



Operating Principle :

- ◆ The Cops during the Feeding are self-oriented and fed to the Pegs.
- ◆ The Pegs with the Cops are screened optically and brushed off the Tail ends, Suck the End and top bunched inside the Tubes.
- ◆ Top Bunched Cop Pegs are glided to each drum through a Conveyor system and prepared for feeding it to the magazine.
- ◆ The Artificial intelligent arm pick up the cops, feeds it to the Magazine of Auto-coner and leads the end inside the Suction unit.



LPT innovated MagZfeed - a Robotic Cops Feeding Solution

Advantages of MagZfeed :

- ◆ Auto-transport of Oriented cops thru-out the length of Auto-Coner.
- ◆ Elimination of Transport Trolley in the machine operating area.
- ◆ Huge time saving and reduced operator fatigue.
- ◆ Easy Integration with Make and Model of the Auto-coner
- ◆ Can be taken to any No: of Drums in a machine.
- ◆ Eliminates multiple handling of Cops, maintains the quality and cleanliness of the cops.
- ◆ Hard waste is Eliminated/ reduced considerably as the removal of Tail end and length of the yarn withdrawal are pneumatically controlled.
- ◆ Increase in Productivity

Key Factors :

- ◆ Number of Cops fed per Minute : 7 Cops
- ◆ Reduction in Hard waste : Approx. 16%

Technical Details :

Width of Cop conveyor, in mm	: 700 mm.
Installed Power	: 3.5 Kw depending upon the Length of the machine.
Air Pressure	: 6 bar.
Air Consumption	: 50 Ltrs/ Cycle.
No: of Counts	: 1



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