

Roving Automation Conversion System for Speed frame LF 1400 & LF1400A



Servo Motor is fixed in place of mechanical building system



Production & Quality Improvement

- Consistent Stretch % - Less than 0.5%
- Productivity improvement up to 10% **
- Maximum Speed can be set up to 1200 RPM &
- Higher average speed up to 1050 RPM

User friendliness System

- User friendly HMI settings to set & fine tune the bobbin building parameters.

Maintenance Free

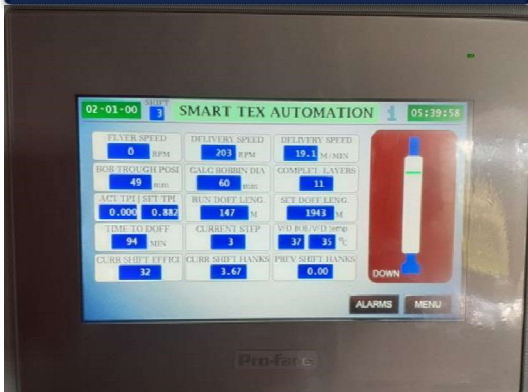
- Maintenance free system – T Plate & Builder Motion assembly and Bottom / Top cone drums are completely removed.
- This Improves machine utilization & Reduces Maintenance cost
- Reduces compressed air consumption and thus saves energy consumption – No pneumatic pistons for building mechanism
- No need to maintain tension change gears as spares

** Depends upon Process and machinery condition

Stand Alone Electrical Panel



Touch Screen Display



HMI – Touch Screen Display

- Setting for roving tension, Bobbin angle and Bobbin lift through display (No mechanical setting)
- Detailed shift / Doff reports with all relevant data to enable in-depth analysis related to production monitoring such as M/c Running Time, Mc efficiency, M/c.Hanks, Idle time etc.,
- Speed curve for spindle speed with 16 steps

Encoder system instead T Plate Assembly



No Cone Drums after conversion



Smart Tex Automation

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