



## RING FRAME AUTO PIECING (RAP)

### SALIENT FEATURES

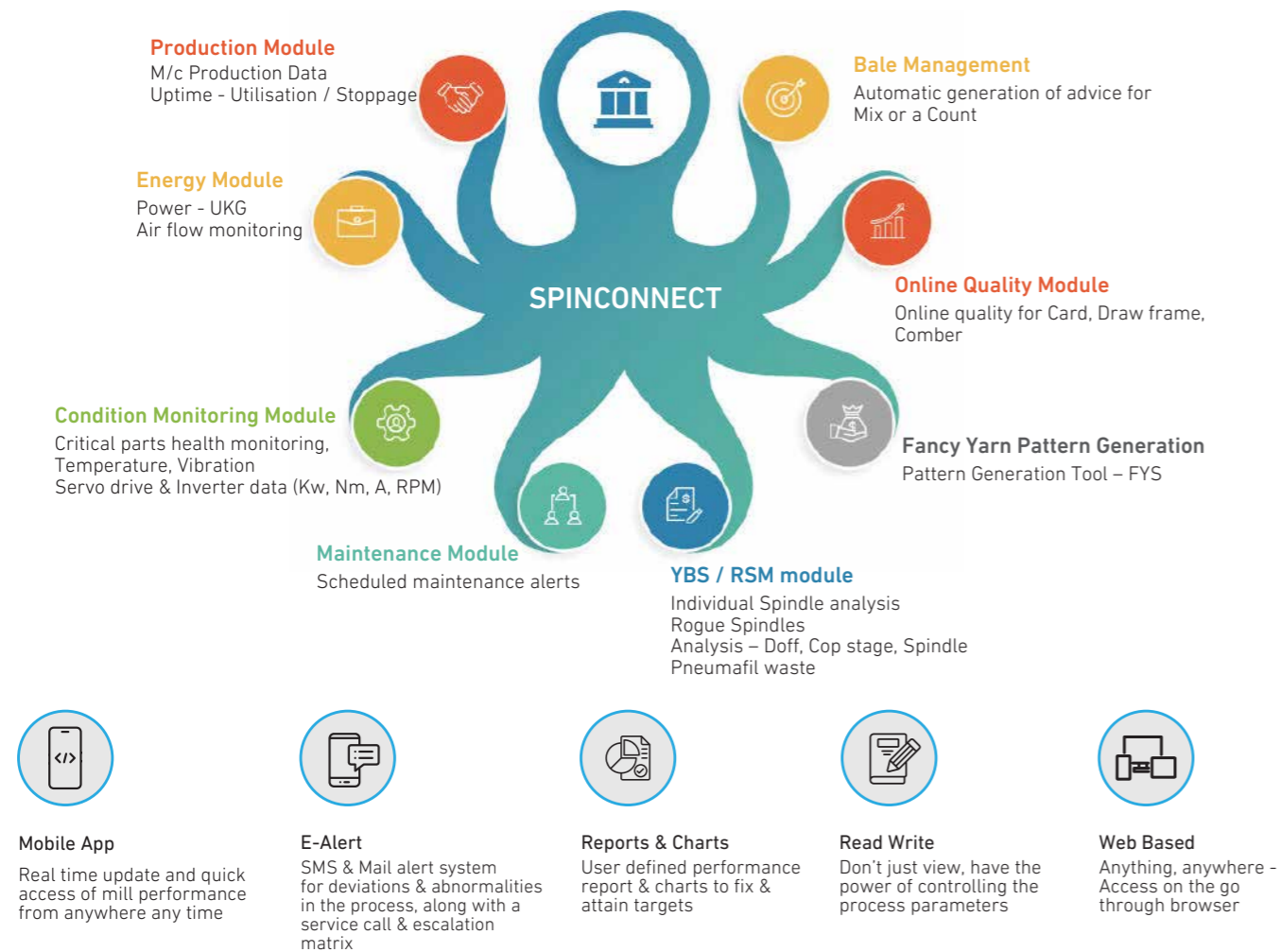
- Higher productivity due to automation of piecing
- Consistent and enhanced yarn quality
- Lower dependency on manpower requirements
- Patent protected technology
- Average piecing cycle time – 35s

## Smart Automation Solutions

Digitization | Automation | Sustainability



## MILL MONITORING SYSTEM



(formerly Lakshmi Machine Works Limited)  
Perianaickenpalayam, Coimbatore - 641 020, India.  
Phone : +91 422 719 2255 E-Mail : info@lmwtmd.com  
www.lmwtmd.com



# 4S

SMART SOLUTIONS FOR SPINNING SUCCESS

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## CARD WITH DRAFTING SYSTEM (CDS) FIX FIL CAN CHANGER CARD WITH DRAFTING SYSTEM (CDS)

### SALIENT FEATURES

- Maximum speed up to 700 m/min
- 2/2 drafting system with Servo control
- Pneumatic loading of Top Rollers – Easy adjustment
- Auto levelling of sliver through Servo drive control
- Auto piecing of sliver
- Simplified yarn preparation process for Airjet and Open-end spinning

## FIX FIL CAN CHANGER

### SALIENT FEATURES

- Can changer mechanism with minimal movement of can (Inside the machine)
- Improved efficiency - No reduction in running speed during can changing
- Dual can plate with individual drive arrangement - Less mechanical & no pneumatic components
- In built can pusher arrangement - Operator friendly
- Doffed can monitoring sensor - Safety and intelligence in-built
- Can dia up to 1200mm with height of 1200mm - Increase in can content up to 50%
- Improved Card and Draw frame efficiency due to minimal can movement, reduced number of doff and reduction of piecing in Draw frame creel

## LAP TRANSPORTATION SYSTEM (LTS)

### SALIENT FEATURES

- Fully automated Lap Transportation System ensures automatic transportation of laps & spools between Lap former & Comber
- Accurate positioning of laps
- Gentle and reliable handling of laps, ensures consistent combing quality
- Increases the Comber machine efficiency
- User friendly HMI display system for easy operation
- Lap Turntable option provides layout flexibility
- Elimination of manual error
- Reduces operator fatigue
- Manpower reduction / savings
- One system can supply 3 Lap Former & 18 Combers connected in a straight line with maximum travelling length of 90 mtr



## ROVING TRANSPORTATION SYSTEM (RTS)

### SALIENT FEATURES

- Highly reliable, specially designed track made of extruded Aluminium and Anodized rail for smooth transportation
- Motorized drive for train movement
- Track motor with brake for bobbin transfer and for positioning of bobbins in Bobbin Stripper / Exchanger
- Execution with Bobbin Holder (Four Leg)
- Train speed can be varied through Inverter drive
- Separate storage area for full bobbin & empty bobbin
- Automatic roller clearer arrangement
- Automatic cleaning of empty bobbins by stripper arrangement
- Exchanger available for Automatic & Fully Automatic RTS
- Can be installed in existing layout / machines with flexible design



## YARN BREAKAGE SENSOR (YBS)

### SALIENT FEATURES

- Monitor individual Spindles on Ring frame machine by accounting Traveller rotation
- Individual Spindle breaks, idle, slip, rouge and abnormal slip is visible in spot positions
- Individual Spindle indication with different identifications
- Reduces the patrolling time
- Monitors breakage rate & increases the piecing efficiency



## ROVING STOP MOTION (RSM)

### SALIENT FEATURES

- Stops the roving flow during yarn breaks
- Stops individual Spindle roving and supports reduction of pneumafil waste
- Avoids damage to Cots & Aprons
- Reduces the hard waste

