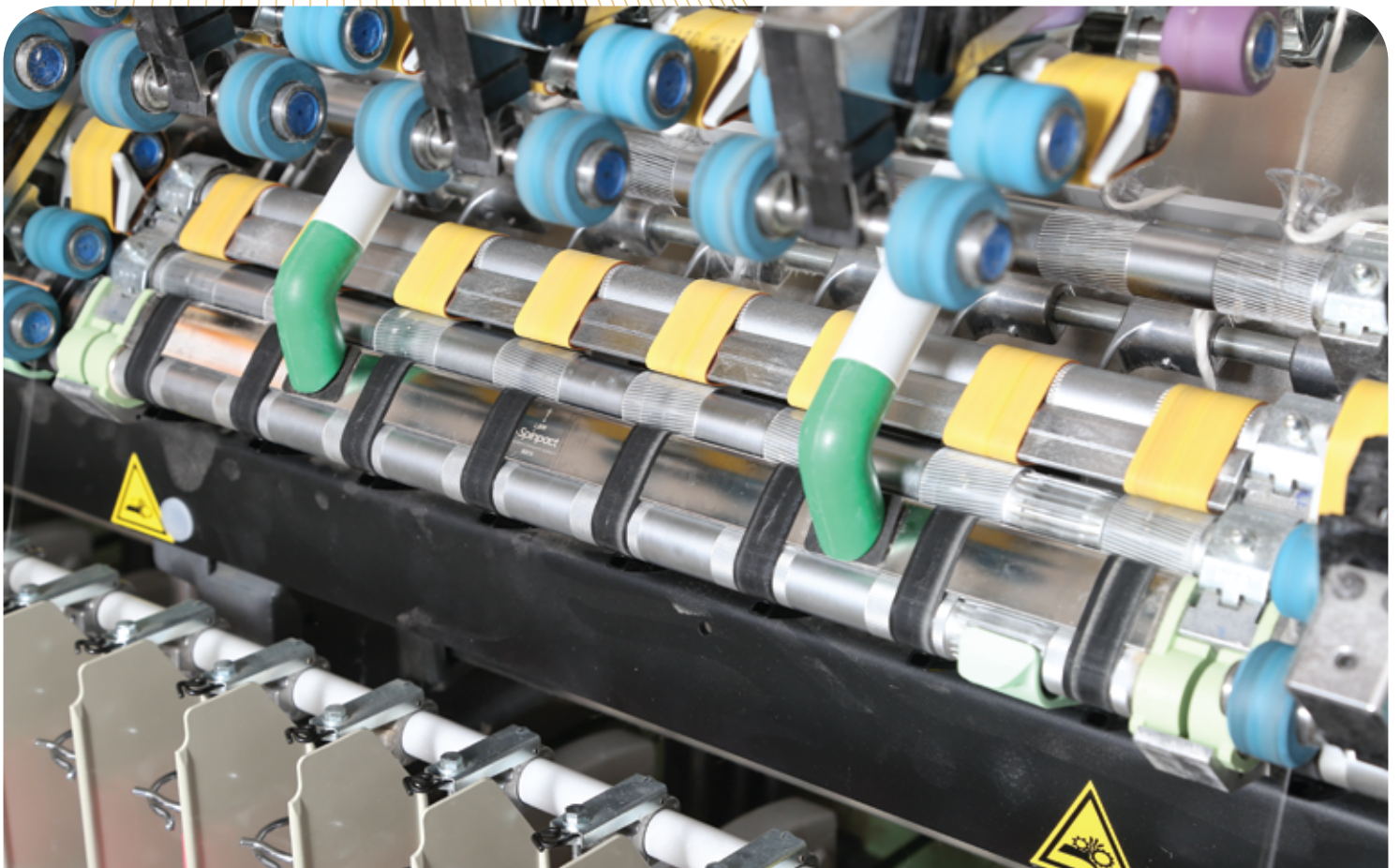


4S SUSTAINABLE
SMART SOLUTIONS FOR
SPINNING
SUCCESS

Spinpact
Suction Compact System



LMW Suction Compact System



Superlative Features

Crafting Excellence in Every Fiber, Every Spindle

Direct Loading System (DLS)

Reduces breakage and improves quality levels

Top Suction Arrangement

Easier access to bottom roller in the drafting zone
(Efficient and quicker cleaning)
Helps in improving housekeeping

Compact Drive Arrangement

Optimized compacting drive with dedicated bottom roller

Perforated Apron

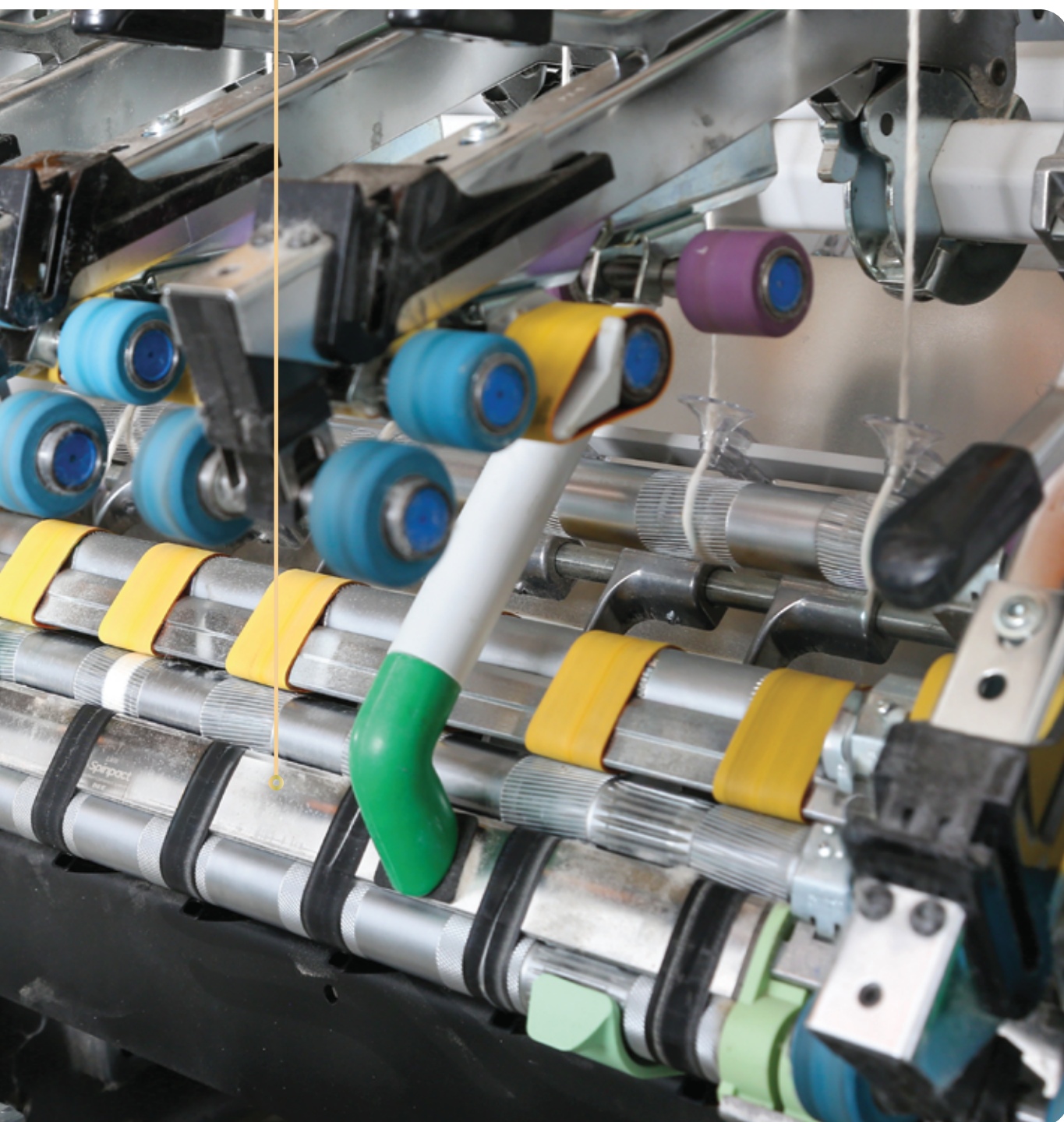
Specially engineered apron for ultimate compacting



Uni-Compact Suction Nozzle

Specially coated aluminium nozzle for long lasting performance

Best slot design for prolonged compacting



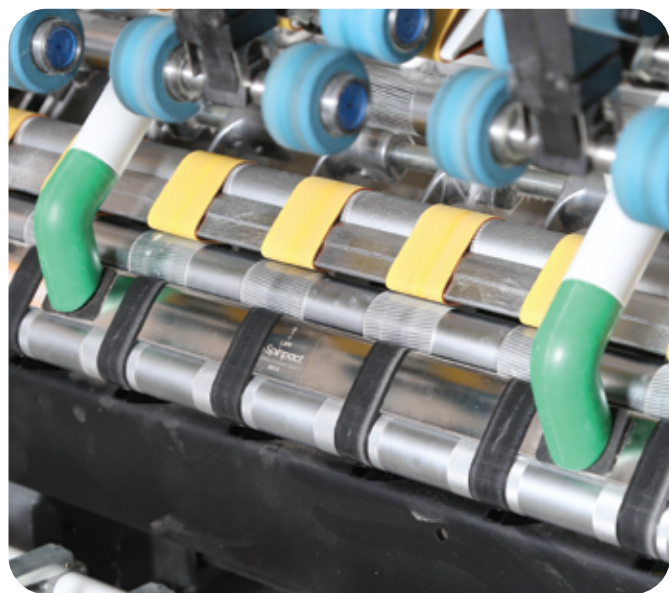
Quality at Its Best

- Hi-tech, unique suction compact system with ease of handling
- Uni-compact suction nozzle made up of special aluminium alloy for eight spindles
- Unique top suction arrangement
- Special spinning angle for enhanced performance
- Lower power consumption



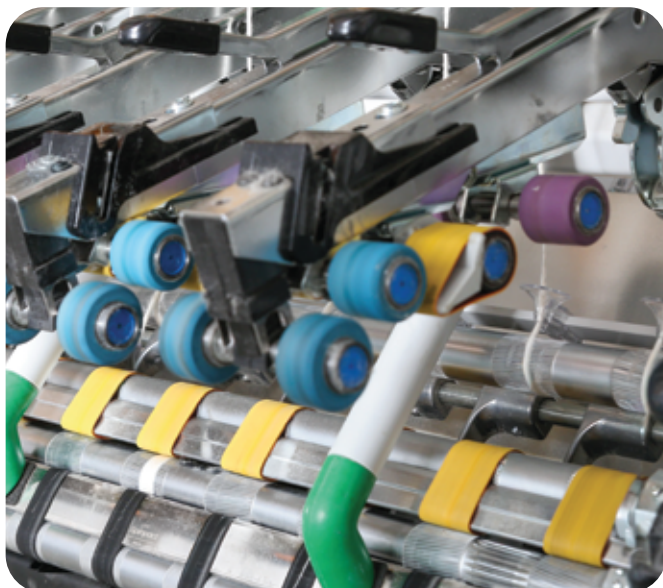
Proven Compacting Principle

- The fibers are well aligned with the help of specially designed slot, angle in the suction nozzle helps in imparting twist in the best manner
- Extended compact slot length closer to front roller nip, ensures perfect compacting without fiber disturbance
- Optimum nozzle width for better guiding of fibers entering to the fourth roller (Compact roller)
- Simultaneous buffing of top roller cots is not required to maintain tension draft
- Reduced buffing cycle



Consistent Quality through Direct Loading System (DLS)

- Loading of delivery roller through coil spring - Ensures uniform load distribution
- Easy way of adjusting the load of delivery roller
- No disturbance on top arm load given to other drafting rollers
- Improvement in yarn quality level (IPI & Classimat)



Maximum twist is inserted till the edge of the fleece

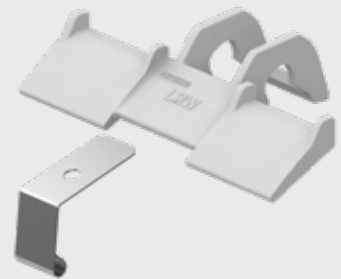
Smart Spinning Geometry

- Reduces yarn touching the fourth roller after compacting to improve better twist insertion
- Yarn stretch length reduced so that the twist flow will be better and stable
- Reduced end breaks
- Improvement in elongation and strength of the yarn



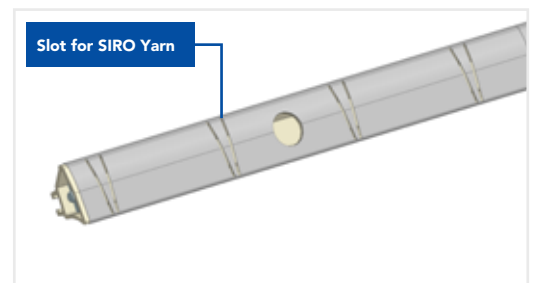
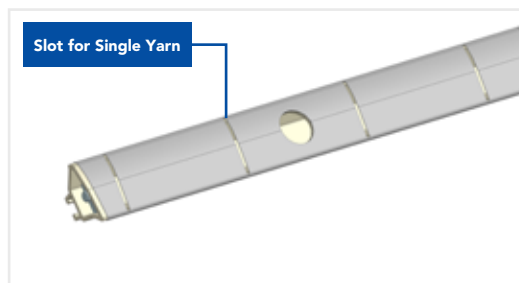
41mm Cradle

The 41mm cradle offers stable support with better fiber grip and reduces the main drafting zone's unsupported yarn length.



Flexibility

- **Single Compact System**
 - Innovative nozzle geometry with specially designed slot for single yarn
- **SIRO Compact System**
 - Flexibility in processing two parallel roving into a single yarn



Strengthened Drive Housing Arrangement

- The latest machines are equipped with strengthened drive housing arrangement which supports smooth functioning of Spinpack
- Older machines also can be retrofitted with this housing arrangement
- Compact bottom roller is driven by front bottom roller through an idler gear for every eight spindles
- Compact bottom roller along with suction assembly is detachable
- Perforated apron is positively driven

Suction Arrangement

- The machine has a stand-alone compact suction unit with inverter control arrangement. The suction pressure can be adjusted as per the requirement of the process, count, etc.
- The specially designed fan impeller helps in consuming lesser power with consistent air flow.
- The suction arrangement can be mounted at Head Stock, End Stock, Wall and on the machine depending on the space availability and user requirements.



User-friendly Compact System

Yarn Quality Improvements

Superlative performance of LMW suction compact system has been well proven all around the world, with the following yarn quality parameters:

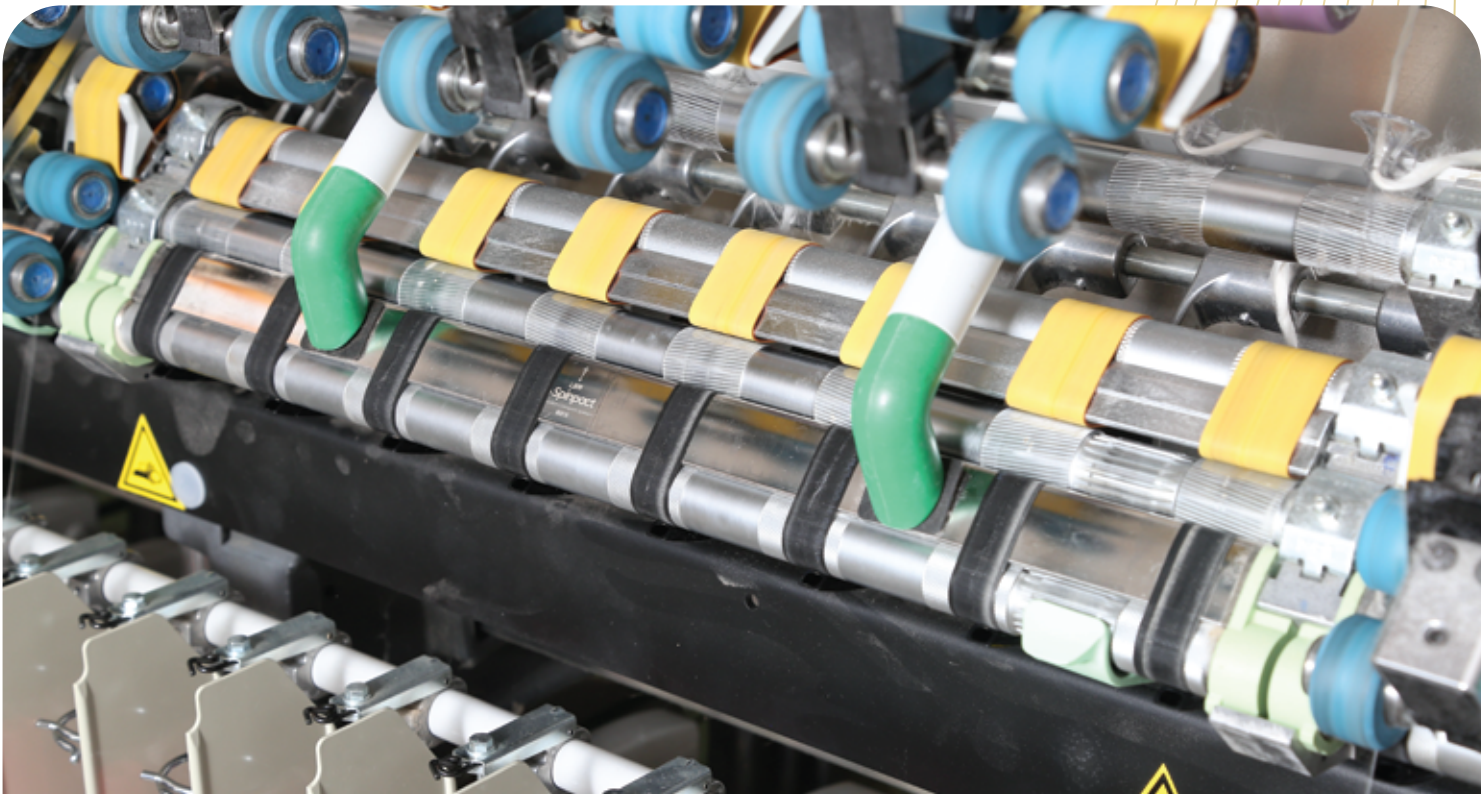
- Increase in yarn tenacity upto 15%
- ZWEIGLE yarn hairiness S3 value reduced upto 85%
- Uster Hairiness Index (H) improvement upto 30%
- Improvement in Yarn imperfections and Classimat faults (expected)

Spinpact as Retrofitment

Available for all LMW Ring Frames

Technical Data

Material	:	Cotton, Man - Made Fibers & Blends	
Staple Length (mm)	:	Up to 44	
Count Range (Ne)	:	20's and above	
Suitable for Retrofitment	:	G5/1, LR6/S, LR6A/AX, LR60A/AX/AXL, LR9SX/SXL	
Lift (mm)	:	160/170/180/190	
DUI (mm)	:	18/20	
Compact Suction Motor (kW)	:	Single Compact System	7.5 (Up to 1200 Spindles) 10 (Up to 1440 Spindles) 15 (Above 1440 Spindles)
	:	SIRO Compact System	10 (Up to 1200 Spindles) 18.5 (Above 1200 Spindles)





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