



**Spin Touch**  
LMW's Customer Connect



All the latest updates from LMW & the world of Textile machinery

<sup>ND</sup>  
**2K19**  
EDITION NEWSLETTER



**Sanjay Jayavarthanavelu**  
CMD, Lakshmi Machine Works

It gives me immense pleasure to welcome you once again to this special newsletter. I am delighted to tell you all that the first edition of this newsletter was a runaway success, as it received overwhelmingly positive responses from far and wide. It is enormously satisfying for us to note that this has become an effective platform for communication between us, which has given us one more reason to make it better. Every piece of feedback you have for our newsletter goes a long way in making our future editions better. Having said that, let me quickly move on to what this edition holds. First of all, let's have a quick recap of the company's recent performance. Lakshmi Machine Works has always been a pioneer in the field of textile machinery. Over the past few years, the company has tasted good success in both domestic and export markets, as we pace ahead. We are happy to have contributed substantially to the Government of India's Make in India initiative, which is reflected in our performance metrics. Marching ahead with a laser-focus on customer delight, LMW continues to constantly update itself with the changing trends and market needs in today's digital age. Thanks to the company's

resilience built over decades of strong experience in the industry, LMW tided over several challenges that we faced. Be it the economic downturn, or the recent market fluctuations in cotton and yarn prices, LMW's strong service focus helped it transfer tremendous value to all its customers in a sustainable manner. As they say, the best is yet to come! In this edition of LMW's newsletter, we present to you, our long-standing association with the Trident Group, and series of product focused-articles on LMW SpinPact and Drawframe LDF3. We believe that this newsletter's contents and context would serve you well in your journeys in the industry. Most importantly, we endeavour that this newsletter may not be a passive one-way street, and wish to open up interactions to enrich one and all. Constructive feedback on the contents, and suggestions for future are most welcome.

To you and your family, on behalf of LMW, I wish a Happy New Year. May 2019 bring the best in everything as we work together for a prosperous future.

**Happy Reading!**



## Customer Journey:

### A Never ending Engagement - Trident Limited

Trident Group is one of India's leading business conglomerate headquartered in Ludhiana, Punjab. Its flagship company Trident Limited is a \$1 billion company that operates in diversified business segments viz. Home Textiles, Paper and Chemicals. The Company also has a captive power plant to cater the needs of its various business segments. The company is today, one of the largest integrated textile companies of the world, with facilities covering the entire textile value chain from yarn to home textiles (bed and bath linen).

Trident's state-of-the-art manufacturing facilities include spinning, wider width airjet looms, jacquard weaving, soft

dyeing and fully automated cutting and sewing of towels. Ever since Trident set shop two decades ago, Lakshmi Machine Works (LMW) has been a go-to growth partner throughout its illustrious growth journey. Deepening its ties, Trident had chosen LMW for commissioning of their last expansion project with orders of 2 lakh spindles for installation at its Budhni unit in Madhya Pradesh. Trident's manufacturing units with a total installed capacity of 5.42 lakh spindles are located at Sanghera in Punjab and Budhni in Madhya Pradesh.

While nearly 35 percent of the company's production is consumed in-house by the bed and bath linen

units, the rest is sold in the domestic and international markets. Overall, Trident has the largest spinning campus in India with an installed base of 5.42 lakh spindles and 6,464 rotors that can churn out 90,000 tonnes per year of cotton, compact and blended yarn. LMW takes immense pride for having supplied 5.2 lakh spindles to Trident, which now accounts for 92% of the group's total spindlage capacity.

## Together, we go further

Trident Group has constantly expressed their hearty appreciation for LMW's range of industry - leading products, crediting the quality of the machines for the company's achievement of zero breakdowns, zero accidents and zero defects in its processes. Trident relies on LMW's complete range of industry-leading machinery to produce the highest quality of yarn on demand. The Barnala unit and the Budhni unit

alone house over 353 LMW Card machines and 184 LMW Comber machines. Trident also runs 527,340 LMW Spindles, which meets with its dynamic yarn output demands with zero compromise on quality. LMW has also supplied 99,312 compact spindles to Trident, which has translated into immense value for the group. Trident's bed linen business has grown in volume and realisation. The Budhni unit has an

installed capacity of 500 looms to produce 42.96 million meters of bed linen annually. The division also has a dyed yarn production capacity of 6,825 tonnes per year. Trident's terry towel manufacturing unit has an installed capacity of 688 looms to produce 360 million pieces of towels every year, making it a top player in domestic and international markets for the category.

# Made in India, for conquering the world

Trident has tasted considerable global success. The success can be credited to the company's unrelenting focus on customer delight, and tenacious commitment to quality, delivered through passionate teams that are driven by honesty and integrity. From being a solitary yarn and paper manufacturer, the company has indeed come a long way as it has now transformed itself to become one of the largest state-of-the-art integrated home textile manufacturers of the world.



## From the Desk of **TRIDENT MANAGEMENT**

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*"With more than a quarter century of association with LMW, we take pride in being their prime customers. As we have grown from leaps and bounds, LMW has been a great contributor in providing us the best services. We extend a very hearty gratitude to LMW and its personnel for having been with us, as we tread towards prosperity and overall growth & development."*

## LMW reinforces its outreach in Turkey with its fruitful participation in KTM 2018: A report

The fifth edition of International Kahramanmaraş Textile Machinery Exhibition held from 26th to 28th September 2019, has emerged to be one of the most important events of the global textile industry. Since 2014, the expo continues to witness the introduction of latest innovations in the industry, with top representatives in Turkey, and textile-machinery leaders from around the world in participation. This year, the exhibition was held under the theme of Industry 4.0, where key stakeholders discussed their views on the developments of the connected manufacturing, exchanging ideas and strengthening the community. Partnering with its agency partner in Turkey, Muteks Mümessillik Ve Dış Ticaret Ltd, Lakshmi Machine Works participated in the expo. LMW had on display, one of the group's top-in-line product, the LDF3 Drawframe. The star features of this much-appreciated machine include: Duo Digital Autolevelling, S Draft - Servo motor controlled levelling concept, Innovative replaceable coiler plate, a separate drive for coiler, which helps in better coiling and self-adjustment of coiling speed to suit the filling type. Fan motors with inverters that help achieve effective, and optimum suction for different process. The new features drew wide appreciation from the visitors during the demonstration. Rings, spindles, cots, and aprons were among the chosen components that featured in the display stall.

At the event, LMW's machines received a great amount of positive feedback. Around 100 customers visited the stall and put forth serious enquiries. There has been a handful number of leads and conversions out of the enquiries generated.

Among the visitors were senior and middle management members, mill managers, technicians, of spinning mills in Turkey region, and beyond. Yonca Iplik Mills of Turkey has already shared a close relationship with LMW and they have confirmed an order of one LDF3 Drawframe machine during the exhibition. A total of 25 LDF3 machines have already been sold in Turkey, and are running successfully, much to customers' satisfaction.

LMW offers end to end solutions from Blow Room to Ring Frame and it has been a preferred supplier for complete projects in Turkey. In the recent past, LMW has supplied end to end products to customers like Erbey Iplik, Yonca Iplik, Biteks Iplik and Beyteks Tekstil and the products are meeting the customer requirements. LMW machines are successfully working on various applications such as combed compact, denim, dyed polyester viscose blends and can produce siro, multi count and multi twist yarns. Blending solutions offered by

LMW to Turkish customers are appreciated for its uniform blending and flexibility to switch over to various blends at the shortest possible time.

Turkey continues to grow strong as a center for the global textile industry. With more than 45 spinning mills functioning, the city of Kahramanmaraş has emerged as a prominent hub for Turkey's textile spinning industry. Ever from its entry into the Turkey market, LMW has grown its presence in the country. LMW has established strong relationships with 25 customers in Turkey. LMW has gained prominence in the region, and wishes to serve the markets further in the coming years.

LMW derives great pleasure in having participated in KTM 2018, and gaining an opportunity to reach out to customers from newer geographies, and explain the great value proposition that LMW's end-to-end offerings built with the latest technological infusions bring to the customer.



## Meet the Autoleveller Drawframe LDF3 from LMW



### Easy-to-use, Economic, Efficient

What makes a superstar among a bunch of stars? The ability to stand out, punch above its weight, and stand the test of time. LMW's autoleveller Drawframe LDF3 is a veritable superstar in its segment, which has been winning hearts across the country ever since its launch in 2017. Loaded with features, and yet compact and minimalistic to the very end, the LDF3, goes that extra mile in packing all the goods, to emerge as the winner in all applications. Here are the three primary reasons why customers choose LDF3 over formidable, international competition: The ease of use, the economic value, and the efficiency during its operation.

#### Easy to use

LDF3 machines are designed, developed, manufactured and installed at customers' location with unwavering focus on the end user's ease-of-use. The machine can be customized to fit according to different platform arrangements and space constraints. The machine is designed to keep it running with minimal interventions, with several of its integral parts requiring little to no maintenance efforts, thanks to the technologies employed. For instance, the elimination of gearbox to transmit the drive simplifies and

enhances the operation. The newly developed top roller end bush with sealed bearings and lifetime greasing ensures user friendliness by avoiding machine downtime for lubrication. Self-cleaning top roller strippers automatically lifts periodically to remove the accumulated fluffs and accumulations in the draft zone, increasing overall cleaning efficiency. LDF3's flexible and unique 4-over-3 S Draft system helps process wide variety of materials at maximum delivery rate. With a touch of a screen, an operator

can quickly change silver hanks without changing wheels. The machine also has pneumatic SP Smart auto-piecing technology that eliminates manual piecing after breakages, ups quality and saves time. There are options of separate drives for coiler and can drive through a dedicated motor. This comes handy for customers who have frequent process changes. Even manual setting of levelling action point is eliminated by automating it, ensuring an error-free run.

## Economic Value

The highly economic Drawframe LDF3 has been designed to work up to delivery speeds of 1,100 meters per minute. Servo drives deliver the best quality of output sliver. Its highest degree of duo digital autolevelling efficiency gives the right quality of output sliver every single time. The LDF3 has stainless steel coilers for synthetic fibres. This unique design requires only the coiler cover plate to be changed, instead of the entire coiler, saving a lot of money in the long run. LDF3's thoughtfully added value additions serve to increase the economic value during long-term operations. Thanks to LDF3's Kinetic Back-Up Technology, operators need not worry about power fluctuations and voltage variations. Stored kinetic energy compensates for these variations, and brings the machine to halt without any disturbance to the autoleveller settings. And when the power supply resumes, a smooth restart ensures zero material waste.

## Efficiency:

The LDF3 sets new benchmarks in quality. It delivers high accurate output by precise measurement of the input sliver, and transmits those signals to drives, where they are used to effectively reduce variations in output quality.

The LDF3's quality monitoring system (QMS) improves user-friendliness, and enables constant monitoring of sliver quality and provides all technological support to the operator, ensuring top notch quality. The LDF3 also comes integrated with a gearless drive that eliminates main draft change pulleys and facilitates main draft adjustments through display. QMS monitors all important parameters such as sliver count and evenness values. While spectrogram analysis ensures every variation is detected, monitoring of the system's thick plate helps achieve high productivity on post-drawframe processes.

Overall, the LDF3 offers the best experience for textile manufacturers who are looking for the highest efficiency at lowest running costs in a set-up that is easy to use and maintain.



LMW's autoleveller Drawframe LDF3 has been received by the industry with great enthusiasm and positive feedback, and has already been providing measurable benefits to customers.

The draw frame could be connected to an external source and the machine specific data could be retrieved for further analysis requirements

**“Quality is never an accident. It is always the result of intelligent effort”**

—  
**John Ruskin.**



## SPINPACT - LMW's Suction Compact System:

SpinPact, the latest compact spinning system from the stables of Lakshmi Machine Works offers a compelling value proposition that is hard to refuse. Offered with LMW Ringframe LRJ 9 series, the SpinPact is a high tech unique suction compact system that renders supreme quality, with the most ease of handling. Loaded with practically designed features built based on decades of experience, LMW has now brought the best on to a single platform for the discerning customer. Breakthrough results in SpinPact's build come from simplicity of design and re-imagining of the entire manufacturing process with an obsession towards achieving better results. SpinPact is the fruit of such intense and passionate journey, and has emerged to be the new yardstick of quality, with its class-leading features and benefits.



More importantly, quality stems from consistency, narrow range of deviations, and the best use of available resources. The spinning triangle of SpinPact by virtue of its design is shorter thus facilitating smooth & uniform flow of twist to the nip of front roller, aligning fibres in a uniform fashion and finally results in the least hairiness and higher yarn strength. Unlike other systems, LMW's SpinPact has a unique class-leading spinning geometry for better twist insertion and twist flow. This is ideal to achieve the desired yarn qualities in terms of strength, hairiness, elongation, and productivity. The innovative nozzle design helps to guide the fibres till they enter the fourth roller, following which a specially designed slot helps in prolonged compacting.

The star feature of LMW Compact System is its top suction arrangement, which offers remarkable ease of handling. By virtue of the compact suction system's position on top, the operator can now easily access the bottom of the drafting zone, which greatly increases reach, and reduces cleaning time - that directly translates to higher operational efficiency. Every ingredient in SpinPact is specially

designed for maximizing ease of handling with betterment in quality and productivity. The special grade aluminium Compact nozzle used in the build is further coated for durability that is also detachable for every eight Spindles, effectively bringing down costs and downtime in the long run.



- A suction connector for every four spindles greatly improves effective compact suction capacity.
- The smooth movement of yarn is guaranteed by a precisely-designed perforated apron tensioner.
- The fourth top roller has a direct loading system (DLS) to guide the fleece better.
- All these features help achieve significant reduction in breakages and improvement in overall quality.
- SpinPact produces lesser hairiness index, better yarn strength and overall lesser objectionable faults, while also ensuring better and smoother downstream processes.
- The machine is suitable for both finer range and coarser range of counts.





To summarize, the customer has five-fold benefits when choosing the LMW SpinPact system. Firstly, yarn structures are principally influenced by the system's design and construction. LMW's SpinPact has been built with the right flexibility to handle both single and SIRO compact systems with precision,

securing uniform cohesion and strength at every level. Secondly, SpinPact offers the highest strength with the lowest hairiness index, unmatched by competition. Thirdly, as a result of the machine's streamlined processes, there is excellent quality in the output, with unflinching uniformity. Fourthly, SpinPact is highly

energy efficient, surpassing competition by a long distance. Fifthly, SpinPact's proven apron compact yarn production system is remarkably economical in comparison to competition.

All these reasons establish why LMW SpinPact has now emerged to be the King of its category, offering unsurpassed value and functional excellence for life-long benefit to the customer.

A close-up photograph of a spinning machine component, likely a rotor or spindle, showing a series of yellow and silver-colored rings or bands. The image is dark and moody, with a focus on the intricate details of the machinery.

LMW's Suction Compact System  
**SPINPACT**

## LMW After Sales Support -

# Value Delivered Along With The Strong Product Built

Lakshmi Machine Works has made great strides in its after-sales support over many decades. The company believes in holistic customer care, and offers end-to-end support throughout the entire run of the machines. The company's robust after-sales support ecosystem provides both spare

components and a blend of on-premise and remote services carefully built to address all customer queries and concerns in the quickest way. LMW E-Spares that was launched a few years ago, has been well received by the company's growing client base around the world. The E-Spares division is an

online portal that receives bookings for all spares, lets customers choose their requirements and place orders with a single click. This digital portal has ensured that there are no loss of information, unnecessary delays and operational inefficiencies in the way spares are handled.

Decades of customer research has helped LMW establish a solid distribution channel backed by a comprehensive, cost-effective service network. Here are some of the latest service-line features of LMW are as follows:



**Mechanical service stations:** Located in Coimbatore, LMW's mechanical service stations service critical mechanical components that need proactive monitoring and servicing. These components include beaters used in blowrooms, grinding rollers used in carding machines, nippers employed in combing machines, differential gearboxes used in Speedframe, and comber and variator discs used in LMW Ringframe machines.

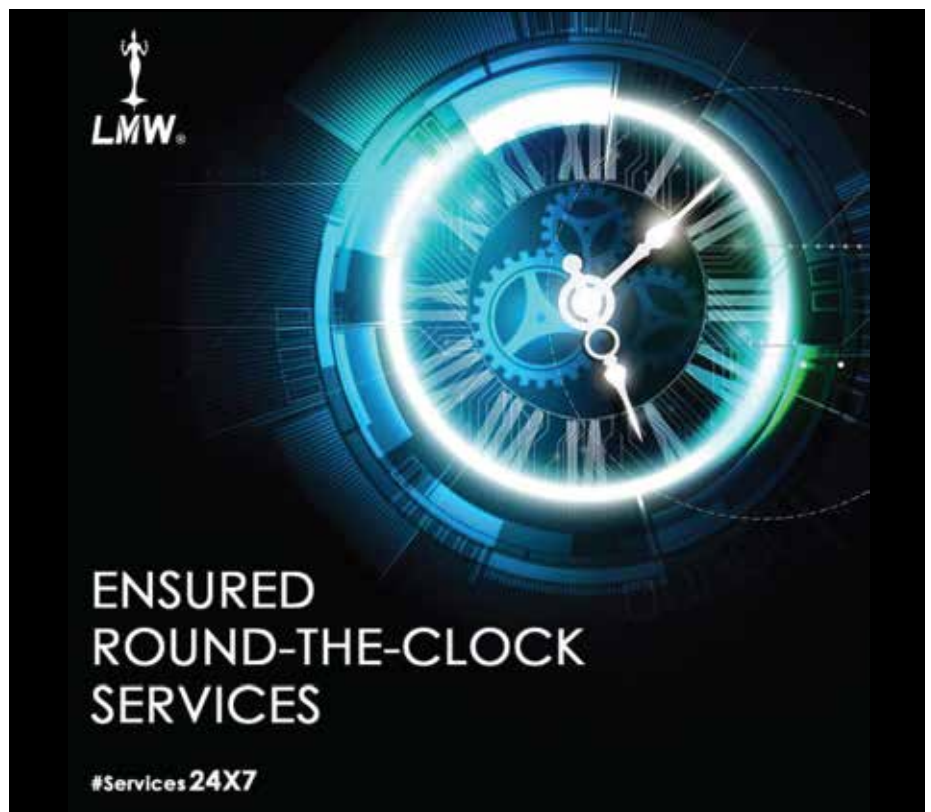


**Electronic service stations:** In today's hyper connected, digital age, electronic components are vital to the functioning of textile machinery. LMW has been a pioneer in imbibing the latest in electronics in the design and functioning of its complete range of textile machinery.

Since it has been difficult to carry out preventive maintenance routines for electric and electronic components, LMW provides electronic services at customer locations, as well as at its own well equipped stations with high quality testing instruments, quick diagnosis,

and simulation facilities. Also, LMW's service centres perform overhauling of components such as servo motors within specific timeframes. LMW's extensive network of service engineers are present globally. Machine Health Audit has been offered by LMW for the past one year to 45 global customers. This audit involves a complete machine examination, followed by expert suggestions from a specialist from LMW. During the entire run of LMW's machines on service at respective customer locations, on-the-job training is offered by LMW's team of experts, who help customers set up effective processes to achieve the desired quality. From fitter to top-level executives, LMW offers tailor-made training programmes to suit each level offering the best technological knowledge

update. LMW also assists its customers with special process trials in its own premises. By choosing LMW's range of machines, the customer not only chooses the best of the machinery with the latest of technologies, but also sign on the line of trust, that sees through the entire journey of the machines' lifespans with expert hands that truly care for the customer's progress. LMW is proud of its service journey so far, and is constantly marching ahead by challenging itself in the face of changing market dynamics and customer nature. The group is confident that, with its invaluable decades of experience in the industry, LMW would continue to occupy the No:1 spot among the hearts of its growing list of customers around the world.



## VOICE OF CUSTOMER

It is a pleasure to talk about our long term association with one of the world's leading textile machinery manufacturers, Lakshmi Machine Works. We began our journey 1.5 years ago with the procurement of 05 Cards LC363 from LMW. Today, we have growth together, and gone further, thanks to years of constant engagement and dialogue

between us and LMW, which has shaped our journey towards becoming what we are today. LMW's preparatory machines for Open end process have long been known for their multifarious qualities that suit the unique requirements of Panipat industry. Our current line of machines acquired from

LMW include 22 LMW Card LC363 machines and 8 latest LMW LDF3 Drawframes. In our group we have gone for LMW preparatory machines in **M/s B M international, M/s Navkar International & M/s C S Cotex** to cater to our demanding clientele.

## Doing more with less

Every subsequent iteration of LMW's series of preparatory machinery for Open end have upped the game in terms of cost savings. Since the industry is a space-intensive process-oriented one, any reduction of area occupied by the machines passes on great benefits to the owner. The new Card LC363 machines occupy up to 55 percent in space when compared to its older avatar that helps crunch in twice the number of machines in the same area thereby giving a meaningful modernization.



Mr Rajeev Jain, M/S BM International

## Power savings: always ahead

Power Saving features have been constantly upgraded by LMW. It is heartening to observe how LMW has constantly engaged with its varied customer base and take back learnings from operations to the design table. While we have observed 8 percent power savings with the latest Card LC363 machines, the drawframes have pushed the limits, and have achieved up to 13 percent of power savings during continuous operations vis a vis older generation and other make machines.

Thanks to consistent quality output delivered through its range of preparatory machines, LMW machines have further helped us in delighting our customer base and deliver in time to meet every need. Up and above the recent advancements in technology, LMW's machines have been built with strong focus on ergonomics and labour savings. LMW's new crop of machines have made substantial strides ahead in terms of modernization. They are now capable of being integrated digitally through LMW's SpinConnect platform, which has been providing immensely beneficial actionable intelligence for effective decision making.



As they say, the best is yet to come for an optimist. We are confident that this journey is poised to go further to greater heights, and we cherish the long and mutually beneficial association with LMW.





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