



Divyalakshmi



Sri Jayajothi



Sportking

**Novibra**

# LENA – The Most Sold Energy Saving Spindle

Indian customer references



# LENA Technical Information

LENA, the low-energy and noise-absorbing spindle, was designed to meet market requirements for production increase, energy saving, longevity and improved overall in-mill environment and spindle maintenance.

## Advantages

- Speeds up to 30 000 rpm
- Up to 4 to 6% average energy saving
- Long lifetime thanks to the patented one-piece spindle insert
- Reduced maintenance due to long lubrication cycles
- Special anti-corrosion treatment
- Noise reduction through second damping system

## Application range

- For all yarn counts Ne 30 and finer
- For tube length up to 210 mm
- Can be equipped with the following Novibra catching and clamping crowns: CROCOdoff, EASYdoff, steel cutter and SERVOgrip



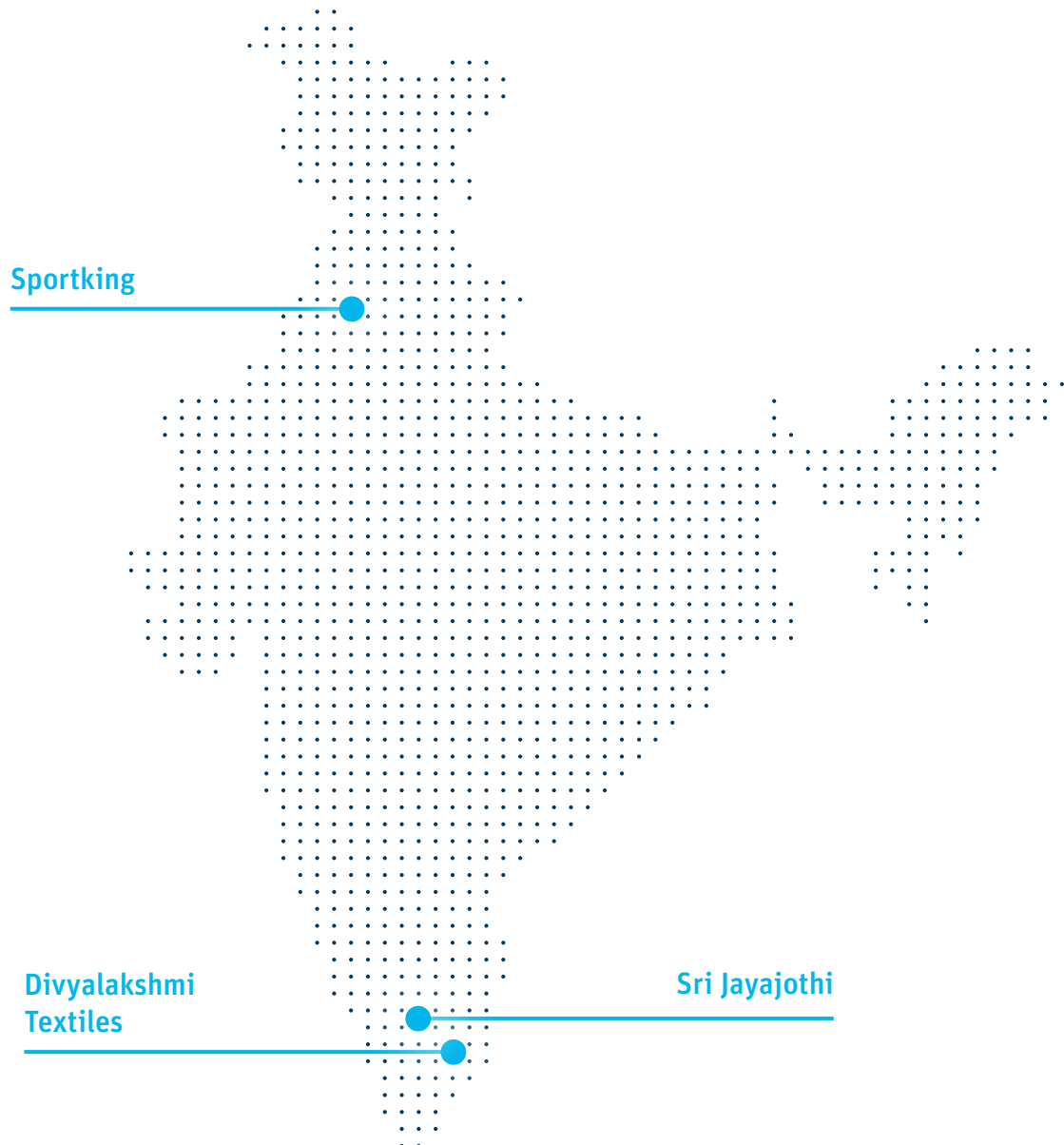
1. LENA with SERVOgrip 2. LENA with GROCOdoff 3. LENA with steel cutter 4. LENA with EASYdoff

# Market Specifics

Textile is the oldest and largest industry in India. With around 48 million spindles, the country has the world's second largest spinning capacity and is the market leader in global yarn trade. India counts many key spinners who are considered trendsetters in the textile industry.

## Challenges

- Energy cost and power tariff require energy efficiency
- Increased productivity demand





# Divyalakshmi

## Customer reference



Operating 27 600 spindles in its mill in the town of Aruppukottai, Tamil Nadu, Divyalakshmi is specialized in manufacturing customer-specific compact, high-twist yarns, with a yarn count range from Ne 60 to Ne 80.

Divyalakshmi counts a total of 12 000 LENA spindles. The company successfully managed to increase speed of their 15 years old machines, without changing any motors or drives, to 24 000 rpm for yarn count Ne 80 combed cotton compact yarn. Besides the production increase, Divyalakshmi was able to reduce energy consumption by up to 12%.

### The Customer's Statement

*"Thanks to Novibra's LENA spindles with CROCOdoff, we were able to achieve our goal of increasing the speed of the ring frame while reducing the power consumption by one unit per kg of yarn produced in Ne80s count. CROCOdoff helped us significantly reduce the restarting yarn breaks after doffing while simultaneously reducing the underwinding waste. "*

**Velmurugan Shanmugam**, General Manager,  
Divyalakshmi Textiles Private Limited



Velmurugan Shanmugam, General Manager and Ravikumar Ramamoorthy, Deputy General Manager Divyalakshmi Textiles Private Ltd



# Sri Jayajothi

## Customer reference



Sri Jayajothi is one of the larger spinning mills in India, with around 2 300 direct employees running over 140 000 spindles the city of Rajapalayam and Virudhunagar, in the state of Tamil Nadu. The company mainly spins 100% cotton yarn, from Ne 50 to Ne 120. Its portfolio also includes ply yarns, slub yarns and multi-twis yarns as well as organic, fair trade and recycled yarns.

Sri Jayajothi installed the first LENA spindles on its Rieter machines K43 in 2018. Spindle speed was increased to 26 400 rpm, resulting in a productivity increase of its Ne 60 100% combed compact yarn while saving 7% energy consumption. Based on this positive experience, the company acquired new Rieter machines G 37, equipped with LENA spindles.

### The Customer's Statement

*“Our positive experience with LENA spindles on existing spinning machines with respect to speed increase and energy saving made LENA a must for our future spindle acquisitions.”*

**Venkadesan Duriasamy**, General Manager,  
Sri Jayajothi and Company Private Limited



Venkadesan Duriasamy, General Manager, Sri Jayajothi and Company Private Limited



# Sportking

## Customer reference



Sportking is a leading vertically integrated textile conglomerate of India. The company owns seven state-of-the-art manufacturing facilities, spread across the states of Punjab and Himachal Pradesh. With a total of around 380 000 spindles, Sportking produces yarns and garments that are a benchmark in quality, range and innovation in domestic as well as international markets.

Sportking runs almost 30 000 LENA spindles on its Lakshmi ring spinning machines and managed to increase the spindle speed by 5% in its two main production lines spinning 100% combed cotton Ne 40 and polyester/cotton blends Ne 40. Sportking also achieved around 8% energy saving.

### The Customer's Statement

*"We were able to achieve about 8% reduction in power consumption, reduced restarting breaks after doffing, eliminated the issue of low twists per inch in Polyester cotton processing and reduction in noise level of ring frame."*

**Shiv Kumar Sharma,**  
President, Sportking Group



Shiv Kumar Sharma, President, Sportking Group









**Divyalakshmi Textiles Pvt Ltd.**  
Thiruchuli Road,  
Kulasekaranallur Village  
Ramasamy Nagar Post  
Aruppukottai – 626 105  
India  
T +91 9894625705  
admin@jllakshmi.com

**Sri Jayajothi and  
Company Private Ltd.**  
70, Alagai Nagar,  
Rajapalayam - 626 117  
India  
T +91 99524 20547  
F +91 04563 235370  
www.srijayajothi.com

**Sportking India Ltd.**  
NH54 Village Jeeda,  
Bathinda – 151201  
India  
T +91 1612 845456  
F +91 1612 845458  
sportking@sportking.co.in  
www.sportking.co.in

**Novibra Boskovicé s.r.o.**  
Hrádkov 2188  
68001 Boskovicé  
Czech Republic  
T +420 51 652 81 89  
F +420 51 652 81 88  
sales@novibra.com

The data and illustrations in this brochure and on the corresponding data carrier refer to the date of printing. Novibra reserves the right to make any necessary changes at any time and without special notice. Novibra systems and Novibra innovations are protected by patents.

3572-v1 en 2304

[www.novibra.com](http://www.novibra.com)