



Product Catalogue

Quality is First and the rest are only next

Technology ♦ Quality ♦ Delivery

Preamble

1936 saw the beginnings of Rajapalayam Mills Limited with 12,000 spindles on imported machines from England. This not only changed the fortunes of the Ramco Group but also that of the region. Commitment to customer satisfaction through consistency in quality and service, continuous upgradation of technology and adding to the prosperity of stakeholders has led the single unit to manifold increase, which totals up to 4.23 lakh spindles. Today, Ramco Group Textile Division is a leading business group in India, supplying quality, value-added products using 100% cotton and cellulosic/cotton blend yarns.

Major Capacity

Ring Spinning	Rotor Spinning	TFO
4,23,536 Spindles	9776 Rotors	46,260 Spindles

Production Capacity

Type of Yarn	Tons/Month
Ring Yarn	2400
Double Yarn	600
OE Yarn	1500



“

A contented worker will give his employer higher output.”

Shri P.A.C. Ramasamy Raja (1894-1962)
Founder – Ramco Group

Quality Excellence

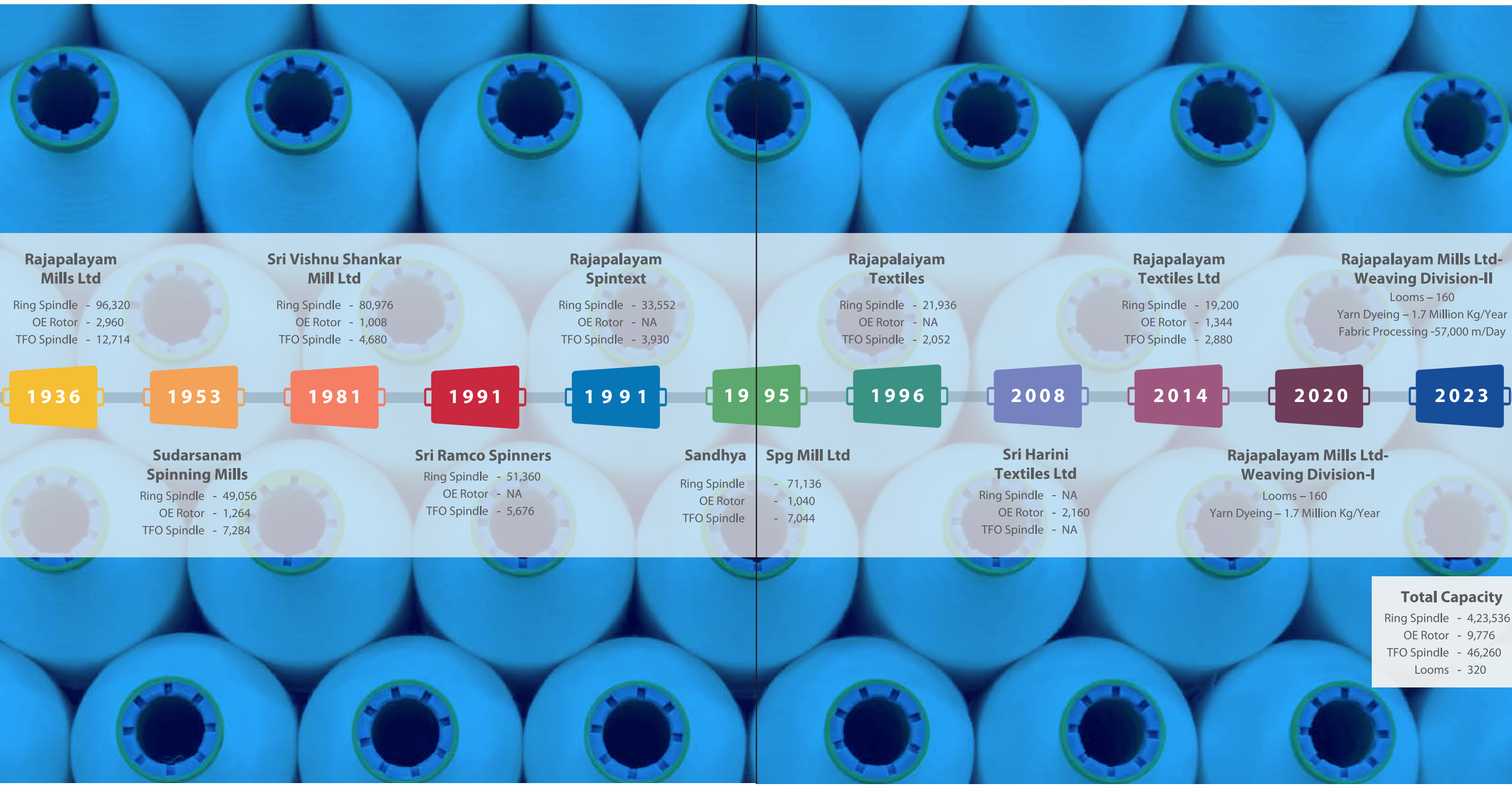
"Quality is first and the rest are only next" is the DNA of Ramco Group.

Ramco Group Textile Division believes that quality is not merely an objective but a way of life and an integral part of the company's strategy for customer delight

- At Ramco, all products are being re-engineered according to the specific quality requirements of customers
- All raw materials are subjected to stringent quality checking through USTER HVI 1000 and USTER AFIS PRO
- We are following stringent LOT Management System for achieving consistency in yarn quality
- USTER JOSSI VISION SHIELD is installed in all blow room lines to eliminate contamination at the initial mixing stage itself
- Every unit is equipped with the latest testing instruments like USTER TESTER, USTER TENSORAPID / TENSOJET to ensure that superior quality products are produced by every spindle
- Periodically, all the spindles are being checked for quality deviation
- 5S, TPM and TQM trained workforce consistently follow the process and ensure the "in-process" quality
- Individual spindle monitoring system monitors all spindles round the clock in Ring Frame through which rogue / SLIP spindles are identified and corrective action taken immediately which guarantees consistency in yarn quality
- USTER QUANTUM – 3 clearer with polypropylene sensor in Auto-cone winding machines along with USTER CONE EXPERT SYSTEM ensures 100% quality of yarn in each and every cone
- All dispatches are done after rigorous inspection of the finished goods



Timeline



We are producing
quality cotton grey
yarn for weaving and
knitting

Grey Yarn

Count Range for Weaving

Conventional Ring Yarn

Single Yarn	Ne 40/1 to Ne 80/1
Double Yarn	Ne 2/60 to Ne 2/80

Compact Ring Yarn

Single Yarn	Ne 20/1 to Ne 140/1
Double Yarn	Ne 2/30 to Ne 3/355

Count Range for Knitting

Compact Ring Yarn	Ne 40/1 to Ne 80/1 from Indian cotton
Compact Ring Yarn	Ne 20/1 to Ne 100/1 from Imported cotton

Product Range

From Indian cottons including Suvin
From Imported cottons like Pima, Giza, Australian
From Sustainable Cottons like Organic, BCI & Fair Trade

Production Capacity

1400 - 1600 tons /month

Special Features

- Tailor-made products with re-engineering based on the customer requirements and end use.
- Wide range of products with more flexible quality range which gives more options to customers for their specific requirement.
- Short quantity, especially in finer counts, helps the export customer to stuff multiple counts in one container and lesser lead time.
- Mass capacity helps quick delivery.
- Every unit is equipped with a separate laboratory including latest Uster Testing instrument to ensure uniform quality.
- All products are sent through stringent inspection before dispatched to customers.



Eli-Twist Yarn

It is an innovative way of producing Double Yarn in the spinning machine itself. It has its own unique yarn properties.

Count Range

Ne 2/40 to Ne 2/200

Product Range

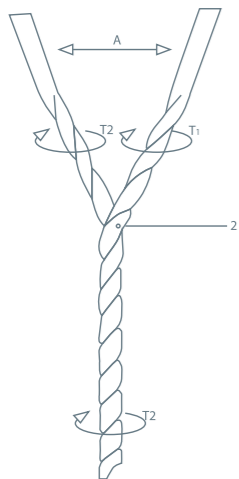
Contamination controlled from Indian cotton including Suvin

Contamination controlled from Imported cotton blend like Pima, Giza, Australian

Contamination-free Imported cotton like Pima, Australian

From sustainable cottons like Organic, BCI & Fair Trade

From 100% Modal, Micro Modal, Tencel LF and its blend with cotton



Production Capacity

200 tons /month

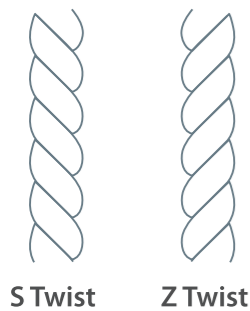
Special Features

Installed Suessen / Rieter Eli-Twist attachments in our Ring Frame.



High Twisted Yarn

Producing high quality
“High Twisted Yarn” in single and
double with “S” and “Z” twist.



Count Range

Single Yarn	Ne 30/1 to Ne 80/1
Conventional Ring Yarn	Ne 2/40 to Ne 2/80
Compact Ring Yarn	Ne 2/40 to Ne 2/140
Eli-twist Yarn	Ne 2/60 to Ne 2/100

Product Range

- Contamination controlled Indian cotton including Suvin
- Contamination controlled Imported cotton blend like Pima, Giza, Australian
- Contamination free Imported cotton like Pima, Australian
- From Sustainable cottons like Organic, BCI & Fair Trade

Production Capacity

100 tons/month

Special Features

- The main challenges for the production of high twisted yarn are the balancing of twist and avoid snarling in the plied yarn.
- With long term experiences, we can offer balanced twist plied yarn with higher twist factor.
- The stringent machine auditing and quality monitoring system in the doubling process to ensure low variation of twist in final yarn.
- Latest yarn conditioning machines help to set the high twist in final yarn with steaming at high temperature and vacuum. This ensures snarl-free and free flow of yarn in the subsequent process.



Gassed Yarn

The yarn is passed through the flame to burn the protruding fibres on the surface of the yarn, so that the yarn gets a circular shape with a clear structure and more lustre.



Count Range

Conventional Ring Yarn	Ne 2/40 to Ne 2/80
Compact Ring Yarn	Ne 2/20 to Ne 3/355

Product Range

- Contamination controlled Indian cotton including Suvin
- Contamination controlled Imported cotton blend like Pima, Giza, Australian
- Contamination free Imported cotton like Pima, Australian
- From Sustainable cottons like Organic, BCI & Fair Trade

Production Capacity

180 tons/month

Special Features

- All are combed and compact yarn and hence yarn hairiness and imperfection will be significantly less.
- Continuous monitoring at gassing process parameter / better work method ensures uniform quality in terms of hairiness within and between packages.
- Imported machines - SSM and RITE help to produce gassed yarn with more consistency in the final gassed yarn quality.



Mercerised Yarn

Mercerisation is an alkali treatment of yarn where the cotton (cellulosic) fibre swells and gets structural enhancement. Due to this, the fibre surface and internal structure gets modified which improves the uniformity/ strength/ elongation/ lustre/ smoothness and colour depth of yarn.

Count Range

Single Yarn	Ne 30/1 to Ne 80/1
Double Yarn	Ne 2/30 to Ne 2/160
Eli-Twist Yarn	Ne 2/60 to Ne 2/160

Product Range

Combed compact yarn

Ready For Dyeing (RFD), White and Dyed version of Mercerised yarn in Cone and Hank

Production Capacity

180 tons/month

Special Features

Installed latest imported make reeling machine to produce hanks up to 1 kg weight.

Installed imported M/s. Jaeggli Extensa make mercerising machine from Italy.

Installed imported make hank yarn drying machine (no solar drying so as to preserve yarn quality).

Installed imported M/s. Fadis make hank to cone conversion machines.

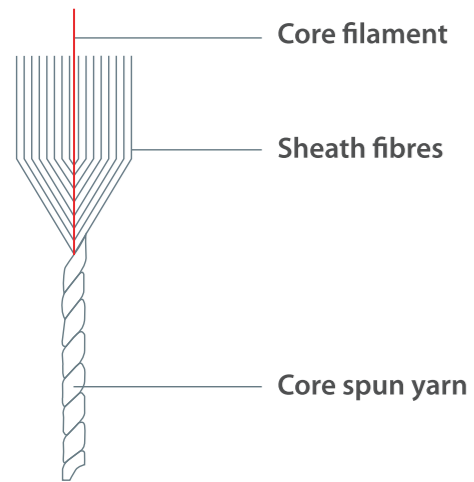
Installed imported M/s. OBEM make hank bleaching and dyeing machine.

In hank up to 1 kg weight and in cone form.



Core Spun Yarn

Core spun yarn offers the benefit of both worlds – the strength of filament and look and feel of staple fibre.



Count Range

Ne 30 to Ne 80

Product Range

Soft Core – Using Elastane (Lycra / Invista / Creora Filament)

Hard Core – Using Polyester / Nylon Filament

Hollow Core Yarn

Production Capacity

70 tons/month

Special Features

Installed latest “Amsler” core spun attachment in spinning machines.

The effective functioning of mechanical stop motion and use of specially treated Elastane ensures no missing of core filament.

Care in better preparatory process ensures superior yarn quality.

Installed Uster Quantum Clearer III with MC/OC sensor in auto cone winding helps to eliminate the missing / misplaced core in yarn.

- In addition to the above, using of Mechanical and Wet splicer in Auto cone winding ensures defect free joining.

Core yarn in compact is also available



Pine-Apple shape Soft Package

The soft package with Pine-Apple shape curved edge ensures uniform dyeing at the edges.

	Count Range
Single Yarn	Ne 30/1 to Ne 100/1
Double Yarn	Ne 2/40 to Ne 2/120

Product Range

- Contamination controlled Indian cotton including Suvin
- Contamination controlled Imported cotton blend like Pima, Giza, Australian
- Contamination free Imported cotton like Pima, Australian
- From Sustainable cottons like Organic, BCI & Fair Trade

Production Capacity

120 tons/month

Special Features

- The main challenge of even dyeing of soft package (yarn) is harder at edges.
- By the process of “Skirting” at final customer place, the sharp edge of soft package is being pressed to curve edge for even dyeing.
- The digital layering technology (Multi Cone system) in Savio Eco Pulser Auto cone winding machine and the Creeping Technology with Flexible Density and shape in auto cone winding machine with grooveless winding drums, helps to produce soft package of desired shape with uniform density. These new technology avoids skirting and ensures uniform dyeing of soft package.
- Further it helps us to increase the soft package content up to even 1.3 kg which will increase the efficiency in the subsequent process.



Melange Yarn

Melange Yarn is produced by blending coloured fibre with grey cotton to create a range of effects in fabric.

Count Range

Ne 20/1 to Ne 100/1

Product Range

Grey Melange Yarn

Melange Yarn with streak effect (Brand name "VARNAM")

Melange Yarn with snow effect

Grindle Melange Yarn

Melange Yarn in core spun

All yarns are Combed Compact from Indian, Imported cotton and sustainable cottons like BCI, Organic & Fair Trade

Production Capacity

60 tons/month

Special Features

Taking care in the process by minimizing yarn imperfections/classimat faults.

Own fibre dyeing facility and latest colour matching technology ensures reproducing of the same shades every time.

Dedicated production line helps to minimise delivery time.

Pilot unit helps to develop new shades within a week's time.

Using PMF dye for better fastness.

More than 750 shades are available for both weaving & knitting applications.



Dyed Yarn

Producing package dyed yarn with latest imported Dyeing machine / Computerised automatic Dye Preparation / Dispensing system.

Count Range

Single Yarn	Ne 30/1 to Ne 140/1
Double Yarn	Ne 2/40 to Ne 3/300

Product Range

100% combed compact yarn

Production Capacity

5 million kg/year

Special Features

Imported yarn dyeing machine with computerised automated dye stuff preparation ensures reproducibility of the same shade every time.

Fully computerised automated lap dip sample preparation.

Imported rewinding machines to wind after dyeing cheeses into cone with an accuracy of +/- 1% in length.

Computerised colour matching facility.

Package weight up to 1.2 kg.



Linen Cotton Blended Yarn

Linen is a natural fibre, made from the stalk of a flax plant. It is a durable fibre and has many benefits like higher strength, higher moisture absorbency, hypo-allergenic and highly breathable fibre.

	Count Range
Compact Yarn	Ne 16/1 to Ne 40/1

Product Range
Blended with Indian cotton and Imported cotton

Production Capacity
150 tons/month

Special Features

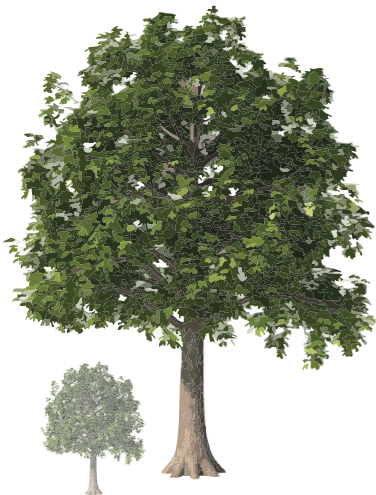
Producing linen and cotton blended yarn with linen blend up to 60 %.

Gentle care on processing, compact spinning system helps to produce linenv cotton blended yarn with better quality in terms of perfection, yarn evenness, Rkm, CV% of Rkm, elongation and CV% of elongation which will give better final fabric appearance and running performance.



Modal / Tencel Yarn

Modal / Tencel fibres are mainly manufactured from the renewable source of raw material - beech wood, sourced from sustainable forests and processed through a sustainable process method.



Count Range

Single Yarn	Ne 20/1 to Ne 100/1
TFO Doubled Yarn	Ne 2/20 to Ne 2/100
Eli-Twist Yarn	Ne 2/40 to Ne 2/120

Product Range

From 100% Lenzing – Modal classic, Micro Modal, Tencel STD & Tencel LF
From 100% Birla –Excel
Also blended with ELS cotton like Pima, Giza etc

Production Capacity

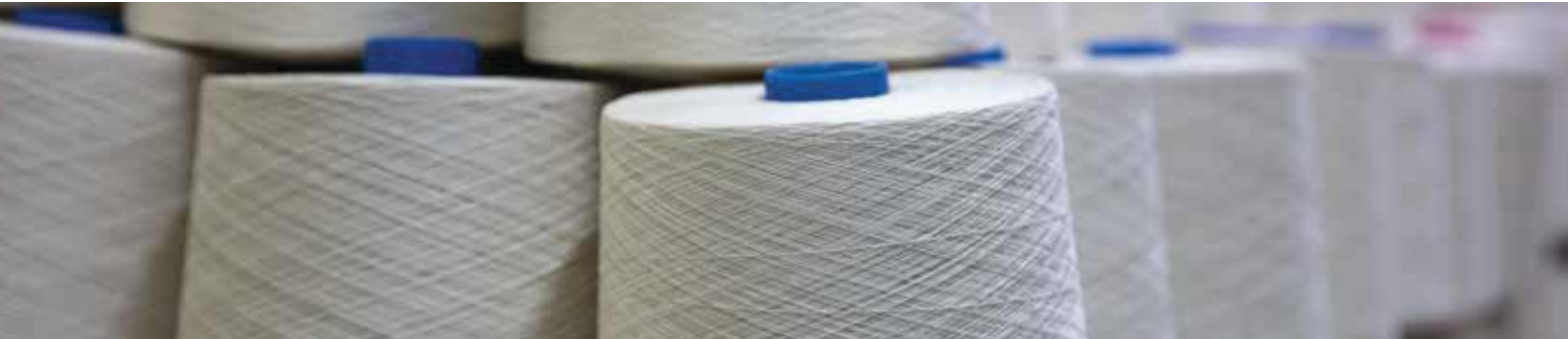
50 tons/month

Special Features

Unique production line designed exclusively for processing Modal / Tencel ensures better and consistent yarn quality/blend %.

Usage of very slow production cards and other preparatory machines helps to achieve better quality.

Producing Lenzing / Birla fibres blended with ELS cotton like Pima, Giza for producing high quality premium fabrics. It gives the comfort of cotton and lustre of Modal / Tencel.



Silk Cotton Blended Yarn

Producing silk blended with cotton to get good lustre and feel without compromising the comfort of cotton.



Count Range

Compact Yarn

Ne 16/1 to Ne 80/1

Product Range

Blended mulberry silk with Indian cotton and Imported cotton for up to 30% of silk

Compact Single and Double Yarn

Eli-twist Yarn

Production Capacity

15 tons/month

Special Features

Producing silk and cotton blended yarn with silk blend up to 30%.

Gentle care on processing, compact spinning system helps to produce silk cotton blended yarn with better quality in terms of perfection and evenness which will give better final fabric appearance.



Fabric Division

Fabric division offers wide range of fashion fabrics with an assurance of Quality, Speed and Sustainability.

Products offered

- Yarn Dyed Woven Finished Fabric – 20 Million meters per annum
- Dyed Yarn – 5 Million Kg per annum

Type of Looms	Width / Looms Type	No. of Looms	Fabric Types
Airjet Looms	190 cm	120	Shirting /Sheeting with Dobby weave
	220 cm	8	Shirting /Sheeting with Plain /Twill /Satin Weave
Rapier Looms	190 cm	106	Shirting with Dobby weave
	220 cm	6	Stretch Fabric, Seer Sucker
Jacquard Looms	Airjet 190 cm	72	Reversible Jacquard
	Rapier 190 cm	8	Shirting both Men and Women
Total Looms		320	

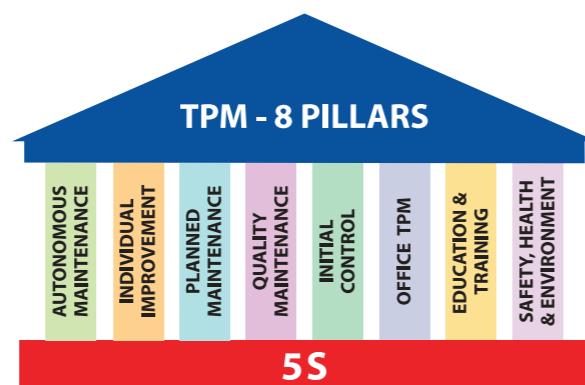
Special Features

- Infrastructure designed for complex, fashion designs of shorter order length.
- Quick Style Change System at looms to enable faster style change.
- Workforce trained by M/s. Werner, USA.
- Automatic Drawing System.
- Automatic Chemical and Dye Dispensing System.
- Chiller-enabled Humidification System during weaving to help optimal conditioning and high performance of looms.
- Integrated Lab Dyeing System to achieve greater reproducibility.
- 8 decades of a nurtured culture of system and excellence.
- Compliance to Japanese Quality Management Systems - 5 S and TPM.
- Zero Discharge System



Quality & Production Certifications

We are among the very few textile companies in India with certified 5 S - Japanese Quality Management tool and practising TPM - Total Productive Maintenance to achieve customer delight by providing quality products and speedy service.



*Ramco moving towards
World Prestigious Deming Award*



Professor Dr Hiroshi Osada

Customer Quotes

Ramco Group Textile Division's successful journey with us is built on their excellent attention to quality and focus on customer satisfaction.

Vice Chairman, a leading fabric manufacturer in Europe

We are very happy with the quality of Ramco's value-added yarn products like High Twist, Eli-Twist, Gassed Yarn for our customers and look forward to deepening our relationship with Ramco in the years to come.

CEO, a leading textile trading house in Japan

Excellent and consistent quality, superior performance, and clear traceability gives us high confidence to work and partner with Ramco.

CEO of a leading Indian textile manufacturer

We deeply appreciate the efforts of Ramco Textiles in their resolve to constantly improve the quality and performance of their yarn and serve us better.

Chairman, a leading knitter in Japan

Our sincere compliments to your spirit of innovation and delivery excellence. You don't just supply yarn, but make our dreams become reality.

CEO, leading textile house in Europe

Certifications



Oeko Tex
Standard 100

REACH



BCI
Better Cotton Initiative

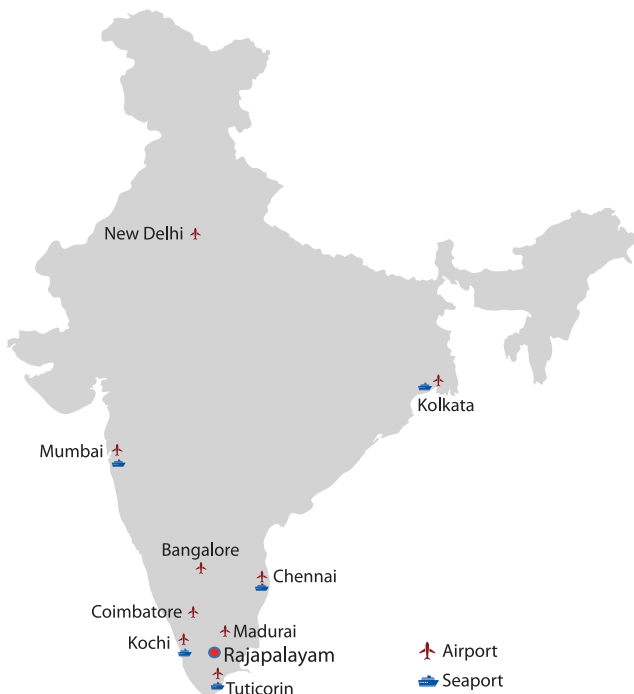


Exported Worldwide



Group of companies

- Rajapalayam Mills Limited, Rajapalayam (TN)
- Rajapalaiyam Spintext, Rajapalayam (TN)
- Rajapalaiyam Textiles, Rajapalayam (TN)
- Sri Vishnu Shankar Mill Limited, Rajapalayam (TN)
- Sudarsanam Spinning Mills, Rajapalayam (TN) & Jeggayyapet (AP)
- Sandhya Spinning Mill Limited, Rajapalayam (TN)
- Sri Ramco Spinners, Rajapalayam (TN)
- Rajapalayam Textile Limited, Rajapalayam (TN)
- Sri Harini Textiles Limited, Jeggayyapet (AP)



Rajapalayam

- A city in Virudhunagar district of Tamil Nadu.
- 600 kms south of Chennai
- Nearest Airport : Madurai - 95 kms
- Nearest Seaport : Tuticorin - 125 kms

RAMCO GROUP TEXTILE DIVISION

Rajapalayam Mills Limited

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