

100% COTTON
COMBED COMPACT YARN



kapaaS
by RSWM

The TexIntel Yarn

Where **TEXTILE** meets **INTELLIGENCE**



Be the best
Accept the best
Deliver the best



KAPAAS, our premium cotton combed compact yarn, is now fully operational-delivering exceptional results from the very first run.

Crafted with precision and powered by advanced compact spinning, KAPAAS is already setting new benchmarks in quality, performance, and reliability.

It signifies a key milestone in our continued pursuit of excellence.

Shri Riju Jhunjhunwala
Chairman & Managing Director
RSWM

VISION



We, at RSWM, are pleased to share the success of KAPAAS - our breakthrough innovation in the 100% cotton combed compact yarn segment.

KAPAAS is now fully operational and is delivering outstanding results. It is the outcome of meticulous engineering, advanced technology, and our relentless quality standards. **KAPAAS is more than just a product; it's a benchmark in precision and performance, and already setting new standards in the industry.**

So step into the world of KAPAAS by RSWM, where innovation meets excellence.

Shri Rajeev Gupta
Joint Managing Director
RSWM

EPITOME

ABOUT RSWM

EPITOME OF PERFECTION

RSWM Limited, the flagship company of LNJ Bhilwara Group, is one of the leading manufacturers and exporters of synthetic, cotton and blended spun yarns in India. Under the leadership of Mr. Riju Jhunjunwala, Chairman and Managing Director of RSWM Ltd, the textile company exports a wide range of fabric and yarns to over 70 countries across the globe. Its 12 manufacturing plants with 6.25 lakh spindles, 172 looms, 95 circular and flat knitting machines produce high-quality cotton, melange, synthetic novelty yarns, denim & knitted fabrics. Its annually producing 1,21,000 MT Greige Yarn, 24,000 MT Melange yarn, 32,000 MT Dyed yarn, 32 M Meters Denim Fabric, 9000+ MT Knits Fabric, 43,000 MT Green Fibre.

Initiatives towards sustainability has helped in saving water 4.93KL/per annum, reduced 8-lac tonnes/per annum of CO emission and recycling 183-cr Pet bottles/per annum.

Founded in 1960 by L. N. Jhunjunwala, LNJ Bhilwara Group is a diverse business conglomerate with holdings in textiles, graphite electrodes, power generation, power engineering, and information technology services.

YARNS

YARNS

We bring diverse styles from around the world to our customers. By leveraging technology and design we have created a range of yarns that go beyond mere aesthetics.

We possess a wide-ranging production capacity, spanning diverse yarn types and blends. This includes cotton and synthetics, core-spun and zero-twist, hard-core greige, dyed, fancy, melange, eco friendly, and sustainable choices. Our yarns serve as indispensable components across various sectors like suiting, shirting, and knits. They combine visual appeal with functionality. The hallmark of our commitment to quality and meticulous craftsmanship is unmistakably reflected in every yarn we produce.

RSWM excels in delivering unparalleled efficiency and superior quality in the realm of crafting exquisite designer yarns, and tailor-made solutions for dyed yarns. By skillfully blending an array of colors and an extensive variety of fibres, we bring forth a captivating collection of both dyed and melange yarns, each possessing its own unique splendor.

We've pioneered the development of Greige yarns, which come in a diverse range of single, double, and multi-fold counts. Our manufacturing facilities boast state-of-the-art machinery sourced from Switzerland, Germany, Italy, Korea, the United Kingdom, and Japan.

We are dedicated to excellence, innovation, and a steadfast commitment to sustainability in the world of yarn production. We are honoured to be a part of this journey.



DENIMS

DENIMS

LNJ Denim, a division of RSWM Limited, is committed to producing high-quality denim fabrics and has earned an excellent reputation among international and domestic brands. With an impressive manufacturing capacity of 32 million meters annually, we have positioned ourselves as a leading supplier of denim fabric.

We offer versatile, smooth, and innovative fabric finishes using the latest methods and technologies. Our commitment to innovation and quality has been recognized over the years.

Our production utilizes open-end spinning, adding 20% more twists to denser fabrics like denim. This creates a distinct textured look that sets our fabrics apart. Furthermore, we're proud to provide organic cotton, with about 20% of our total consumption being organic. This showcases our commitment to sustainability.

Our focus on delivering high-quality denim fabrics has made us a preferred choice for many renowned fashion labels and designers.



KNITS

KNITS

LNJ Knits, a division of RSWM Limited, emphasizes comfort and convenience for today's fast-paced lifestyle. Our knitted textiles embody lightness, wrinkle resistance, and other attributes in line with modern living.

We offer a dynamic range of knitted fabrics, including Single Jersey, Interlock, Rib, Fleece, Terry, and more. Our diverse array caters to various preferences and needs. Our initial manufacturing capacity of 9000 tonnes in Phase One underscores our dedication to meeting customer demands, with plans for expansion to ensure a consistent fabric supply.

As industry pioneers, we craft blends like cotton and its blends, Modal, high-performance synthetics, Spandex, Nylon, and exceptional fibres. These blends yield fabrics with distinct properties and performance traits.

The utilization of advanced circular knitting machines from renowned institutions enables precise knitting and high-quality control. Machines from Pailung, Fukuhara, Terrot, and Unitex help us achieve desired fabric characteristics, resulting in world-class products.



LANDMARK

REASONS TO CONSIDER RSWM AS BUSINESS PARTNER

RSWM yarn division caters to every 2nd country in the world (70+ Countries).



Most accreditations in our basket.



Pioneers in developing innovative yarns. Rest follow us.



World's top 100 brands are our extended business partners.



Awards and accolades in every division.



We use eco friendly dyes and pigments.



33.36 MW Solar power plants installed.



6.25 lakh Spindles work round the clock.



Largest producer of all types of yarns.



1,72,000 tons yarn producing capacity per year.



Bulk auto colour matching and 100% auto dispensing.



We excel in online quality monitoring system.



1830 MN/PA PET bottles consumed to save the environment from huge landfills



Reduction in use of plastic in packing and other areas- 53,197 kg



100% COTTON
COMBED COMPACT YARN



INTRODUCING

kapaas

by RSWM

The TexIntel Yarn

THE KAPAAS

KAPAAS, a name that rationalizes itself through its intrinsic qualities and the symbolism it carries. Just as cotton grows from the soil, KAPAAS embodies the purity and authenticity of nature's offerings. KAPAAS captures the essence of simplicity and elegance. KAPAAS encompasses versatility in its various forms. As a fabric, cotton can be transformed into a wide range of textures, patterns, and designs. Similarly, the name KAPAAS adapts to different contexts and industries. It can be associated with fashion, home textiles, craftsmanship, and more. This versatility allows KAPAAS to adapt and thrive in diverse settings. KAPAAS aligns with sustainability and comfort. Cotton, as the embodiment of KAPAAS, is a natural, biodegradable, and renewable resource. It promotes eco-friendly practices and provides comfort through its breathability, softness, and versatility.

In essence, KAPAAS justifies itself through its connection to nature, simplicity, elegance, versatility, cultural richness, sustainability, and comfort. It carries a profound symbolism that resonates with those who appreciate the inherent qualities it embodies. KAPAAS is a word that encompasses much more than its literal meaning, making it a fitting choice for various perspectives.

THE BEST COMBED COMPACT YARN IN THE ASIAN REGION

kapaas
by RIRWI
The TextIntel Yarn

THE WHITE GOLD

CLOSE PORES
SMOOTH SURFACE



OPEN PORES



100% COMBED COMPACT
KAPAAS

50% COMBED COMPACT

0% COMBED COMPACT

A FULLY USTERIZED PROCESS FLOW

1

BLOW ROOM

Opening, cleaning, homogenization and contamination removal of cotton, followed by conversion of loose fibres into sheet form, which is input for the next section of carding.



GERMAN TECHNOLOGY FROM TRÜTZSCHLER

Trützschler, German technology is used for automatic gentle plucking of cotton tufts out of bales through the latest generation Bale Pluckers (BO P), fed to a series of coarse (CL X) and fine (CL U) beaters where it is further opened to comparatively small tuft size and better cleaned in terms of dust, trash and foreign matter. In between two beaters it is stored in a mixing machine (MX U) where homogeneity is improved. A latest Uster contamination removal system (vision shield) with magic-eye ensures fully contamination controlled cotton for any colour, white PP through UV and spectroscopic inspection. Finally an aero feed system converts loose cotton into sheet form and feed to the next process of carding.

2

CARDING

Individualization of fibres, removal of unwanted short fibres, trash content and foreign matter followed by conversion into card sliver.



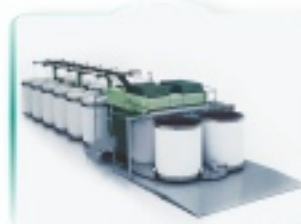
GERMAN TECHNOLOGY FROM TRÜTZSCHLER

Carding machines are again **Trützschler**, German technology with direct-senso feeder for optimal tuft feeding to the latest generation TC 15 wider width cards and at the same time better quality of sliver. Machines are equipped with fully integrated tuft feeding, magnet flat system megnotop, Precision flat and knife setting PFS & PMS, having touch screen control system for uninterrupted better quality of sliver, T-con feature for machine safety.

3

DRAW FRAME STAGE- I

Doubling & levelling of 6 or 8 card slivers to improve uniformity and straightening of fibres.



SWISS TECHNOLOGY FROM RIETER

Rieter: A Swiss machine manufacturer known for technological innovations in spinning, has played a crucial role in the project "Kapaas". The sliver preparation setup, which is a critical step in producing high quality compact cotton yarn, includes various machine from Rieter Breaker Draw Frames SB-D 26 double delivery machine is equipped with state of the art drafting system, collers, and large can diameter (1000 mm) can changer. These features contribute to consistent sliver quality.

4

LAP PREPARATION

Lap preparation for comber ensures straight and parallel fibres are fed to combers. To reduce strain on combing cylinders and top comb. To reduce fibre damage to control amount of short fibre.



SWISS TECHNOLOGY FROM RIETER

Next machine in sliver making from **Rieter** is Omega Lap E-36. This offers consistent lap-weight and quality.

5

COMBING

In combing process short fibres of cotton are removed, fibres are aligned before spinning.

This helps in producing smoother, stronger and more lustrous yarn.



SWISS TECHNOLOGY FROM RIETER

Rieter combers E 86 stands in terms of quality consistency. It is equipped with Graf combs (best in class). In this project, use of ROBO lap combers enables automatic lap changes enhancing lap piecing. No manual intervention.

USTERIZED, from raw material up to finished goods at all stages the testing is done through Uster apparatus. Entire process blow room to auto-coner is connected through centralized data system being controlled through Uster apparatus. The yarn produced is "USTERIZED" certified yarn.



6

DRAW FRAME STAGE - II

Doubling and automatic levelling of combed slivers to improve further uniformity and straightening of fibres.



Rieter's RSB - D 50 c machine is the last check point of quality at sliver stage. This machine is having feature like a responsive autoleveller Honey comb coiler, advanced drafting system. All these collectively ensure the best-in-class sliver quality with minimal coefficient of variations across all quality parameters.

7

ROVING FRAME & BTS

Drafting of finished sliver to convert into thinner form is called Roving. Here false twist is imparted to roving and 2-2.4 kilograms bobbins are prepared with winding and lifting mechanism. The prepared bobbins are automatically doffed and sent to next process at ring frame machines, through an auto roving bobbin transport system (BTS). No manual intervention again.



ITALIAN
TECHNOLOGY
FROM
MARZOLI

Marzoli Simplex are world class roving frame machines with texpart drafting system and automatic roving tension control. Sensors on individual spindle to stop the machine promptly. Drives for drafting, flyers, spindles and bobbin rail are independent and coordinated through CPU ensures smooth functioning of the machine. Machine is equipped with automatic doffing systems, which facilitate full bobbin to remove from the machine and to put empty bobbin automatically. An automatic roving bobbin transport system of Marzoli-Italy, carries roving bobbins to creel at ring frames. This also includes auto-transportation of empty roving bobbin transported back to simplex frame through stripping arrangement. Having all safety majors at each function of the machine as well as at bobbin transport system. Equipped with remote maintenance system.

8

RING FRAME

Converts roving into yarn of specified count with E-drafting. Imparts twist as per count.



JAPANESE
TECHNOLOGY
FROM
TOYOTA

"Kapaas" is having the best ring spinning machine available in the world- Kirloskar Toyota Textile Machinery (KTTM). RX 300 is state-of-the-art Japanese technology, best in terms of quality, power, space, and is user friendly. Fully gearless. Highly reliable longest available machine with 1824 spindles per frame. Servo motor driven adjustable positive lifting system for minimum end breakages. Optimal cop formation with easy key operation. Having Toyota's EST- III compact yarn spinning system. All ring spindles are installed with ring data and roving stop motion system of Premier to ensure zero lapping and perfect production monitoring apart from identifying rogue spindles causing quality repeated breakages and also twisting problems, thereby ensuring better quality control measures are incorporated. Automatic doffer SCD with automatic re-stating mechanism- Winder link machine.

9

LINK CONER

Removes objectionable faults from ring yarn with electronic sensing, cutting and automatic air splicing. Converts bobbins into cone form of desired weight or length of yarn as per customer's requirement.



Link Coners are of Rieter AC X6, equipped with the latest generation of Electronic Yarn Clearer- Uster Quantum 4.0 for best yarn clearing with foreign fibre detector and White PP detecting channel with features like precise length measurement for warp yarn "Ecopack". Having RFID bobbin pegs which facilitate ring frame spindle number wise feed back for quality of the yarn (SPID). Equipped with Senses data interface to have centralized performance reports of desired parameters of the process, for better monitoring and controls.

10

AUTO PACKING & AUTO RACKING

The cone produced at autoconer are conditioned through vacuum system to ensure proper twist propagation then automatically weighed, inspected and packed in desired packing as per customers' requirement. Further it is stored in lot wise segregated well mannered racking system.



The packing line is customized to handle various products, all through programming and auto-controls. A fully automatic packing system equipped with weighing station, inspection station where each cone is checked for any mix-up within cone and between cone of different lot material. Inspection (under UV light) for mix-up detection and cone tip detection. In case of carton packing it also involves auto boxing of material as per desired matrix of packing as per customers' choice. Packed cartons are labelled with an auto printed label and then these are moved over roller conveyor and finally shifted to ware house. Pallets are made as per the requirement. Finished Goods Warehouse is installed with Racking System with Stacker's Arrangement apart from Dock Leveller at Loading Point.

PROCESS

THE PUREST FORM OF HAPPINESS




100% COTTON

Cotton is a versatile natural fibre widely used in the textile industry. Its softness and comfort contribute to a pleasant tactile experience and a sense of physical well-being. Being hypo-allergenic, it is unlikely to cause skin irritations or allergies. Cotton's breathable nature adds to a feeling of freshness and relaxation. Additionally, the connection to nature can bring a sense of happiness and peace.

When examining the relationship between KAPAAS and happiness, feelings of comfort, simplicity, authenticity, and emotional well-being are stimulated, all of which are associated with happiness.

THE IMPECCABLE FINISH




CONSISTENT

Utilizing a specialized spinning technique, compact yarn achieves a densely packed & smooth structure. Fabrics originating, boast a luxuriously soft touch. This results in a sleek surface that enhances the tactile appeal. These fabrics display exceptional draping qualities, cascading with grace due to the precise alignment of fibres. The impeccable sophistication of compact yarn underscores its beauty and craftsmanship. The fabric's surface remains consistently smooth, with each created thread contributing to a flawless outcome, elevating the overall presentation. In comparison to its counterparts, compact yarn stands out due to its immaculate texture & remarkable shine. It signifies an unwavering commitment to excellence, yielding materials that hold visual fascination and provide a delightful experience when worn.

KAPAAS yarn establishes the pinnacle of unrivalled quality.



PERFECT COMBINATION OF FIBRE AND TECHNOLOGY



STRONG

Cotton compact yarn is considered strong due to a range of characteristics and attributes. The cotton fibres used in compact yarn possess inherent strength with high tensile strength, allowing them to withstand pulling and stretching forces without breaking easily. The spinning technique of compacting the fibres tightly together further enhances the strength of the yarn, increasing cohesion and resistance to abrasion. This results in a yarn that is more resilient and durable, making it resistant to wear and tear.

HIGHLY SMOOTH AND CLEAN SURFACE



SMOOTH AND CLEAN

KAPAAS, renowned for its exceptional quality, boasts a remarkably smooth and pristine surface that minimizes pilling to an impressive extent. Its fibres exhibit superior bursting strength, ensuring durability and longevity.

Moreover, KAPAAS exhibits minimal spirality, making it a preferred choice for textiles and garments where a sleek and polished finish is desired. Its outstanding attributes make KAPAAS a top choice in the world of textiles, promising both comfort and longevity in its products.

Additionally, KAPAAS yarn's versatility, ability to retain shape and structure, and high-quality construction methods contribute to its overall strength, making it a reliable choice for durable and long-lasting fabrics.

kapaas
by RRVW
The TextIntel Yarn

**Hairiness
Reduction 20%- 25%**

**Imperfection
Reduction 25%- 30%**

**Strength
Increase 15%- 20%**

NATURAL FIBRE



The KAPAAS yarn is considered environmental friendly because cotton is a natural fibre and a renewable resource. Cotton fibres are biodegradable and break down naturally, causing no harm to the environment. At the end of their life cycle, products made from these yarns can be composted, reducing waste accumulation. The combing process used in yarn production helps eliminate shorter fibres and impurities, resulting in a higher-quality yarn. This process also reduces the need for chemical treatments, minimizing the use of harsh chemicals that can have negative effects on the environment and human health.

The industry has been striving to adopt more sustainable practices by sourcing cotton from initiatives like the Better Cotton Initiative (BCI), Organic Cotton, Fair Trade, Regenagri, CmiA, and Contamination Free. By doing so, these yarns are produced with a reduced environmental impact, further enhancing their eco-friendliness.

AS PURE AS A DEW DROP



In upholding superior quality standards, we have enacted rigorous protocols that encompass visual assessments, automated sorting systems, and diverse testing techniques. These measures are designed to identify and eliminate undesired elements from the cotton fibres employed.

Although achieving complete absence of contamination is a demanding endeavour, our KAPAAS yarns are crafted using meticulously selected cotton that has undergone thorough screening via cutting-edge technologies like UJVS, Magic Eye, and Uster FF removal sensors. These advanced methods substantially curtail the incidence of contaminants, yielding a yarn that surpasses rivals in terms of cleanliness and purity.

POSSIBILITIES



**SIRO IS A BRIGHTER
SIDE OF 3Cs**

(3Cs = Cotton combed compact)



**WHITE IS THE RIGHT
CONDUCTOR OF EVERY
COLOUR**



MANUFACTURING CAPACITY, PRECISION



ATTRIBUTES

- NO. OF SPINDLES = 54,720
- STATE-OF-THE-ART TECHNOLOGY
- 40 MT/DAY
- USTERISED YARN
- HIGH EFFICIENT CONTAMINATION CLEARING SYSTEM
- ADDED WITH FANCY COMPACT, SLUB COMPACT & SIRO COMPACT
- LESS MANUAL INTERVENTION (FIBRE TO YARN) BTS, AUTO DOFFING & LINK CONER





kapaas
by RSWM
The TexIntel Yarn

UNMATCHED R&D



Product Portfolio



THIS FABRIC ENHANCES YOUR PERSONALITY AND ADDS CONFIDENCE

Product Portfolio

100% COTTON COMBED COMPACT

Ne 1/20 - Ne 1/50
Ne 2/20 - Ne 2/50

100% COTTON COMBED COMPACT SIRO

Ne 1/20 - Ne 1/30

100% COTTON COMBED COMPACT SLUB

Ne 1/20 - Ne 1/40



FEEL THE INNOVATION

Certifications



Better Cotton Initiative



GOTS-IN
(Global Organic Textile Standard)



OCS-IN
(Organic Content Standard)



Fairtrade
(FLO)



Global Recycled Standard
(GRS)



Recycled Claim Standard
(RCS)



OEKO-TEX
Standard 100



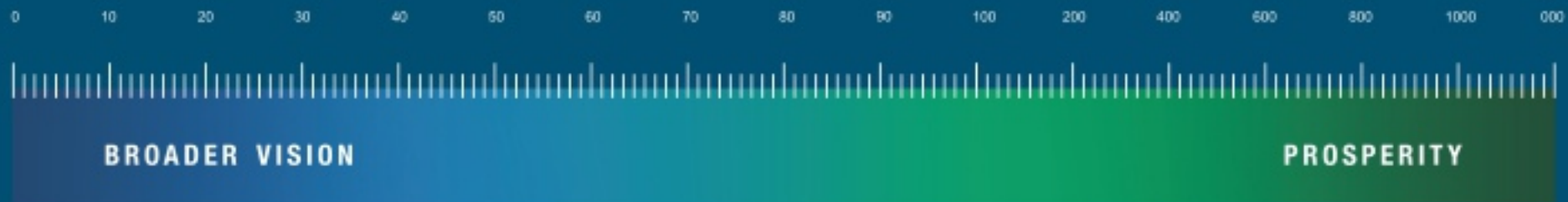
Regenagri



Cotton made in Africa
(CmIA)



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