



VIKING

Textiles Pvt Ltd



Profile

It is our pleasure to introduce ourselves as one of the leading Manufacturers of the Knit-Wear garments both inner and outwear's. We have started our concern about 60 Years back in a small way and grown both vertically and horizontally, now enjoying sizeable market share in this field. Now we have all facilities under one roof by using vertical backward integration style, presently we buy only raw-cotton and send out finished garments to the market in India as well as abroad.



Our Chairman Mr.A.C.Eswaran was from a small poor agriculture based family and worked in a knit-wear factory during his young age and with the help from his family, he started Anand Hosieries in the Year 1960 and by his hard work and quality conscious mind he developed the concern and started one more factory by name Viking Knitters in 1972. By maintaining the quality standard and his novice way of working the growth rate is tremendous and almost all of our customers are like a family, he decided to enter into the Spinning yarn so that Viking Textiles Pvt.Ltd is started in 1996 and Anand Textiles in 2003, Viking Shirts & Dhotis in 2000, Viking Textiles Garments Division in 2003 and steadily entered into Wind Mill and Solar Power etc.

*Now We Are Proud To Have All Facilities Under One Roof
Giving Quality Products At The Delivery Schedule.*

We Are Proud To Say That 5000 Employees Working In Our Group.



Mission

Our aim is to manufacture products comparable to international standards, to be customer-focused and globally competitive through better quality, latest technology and continuous innovation. We will be always conscious of the path we take to ensure highest ethical and moral compliance even as we remain totally focused on our goals.

Vision:

Our aim is to be the most preferred brand globally and trusted partner for our clients to procure quality yarns, fabrics in the textile business, determined to meet customer needs by being flexible, agile and dynamic.



QUALITY CONTROL

Since quality control is the mainstay of the Viking's success, there are various kinds of equipment introduced of several stages of the manufacturing process. There are some of the equipment used.

- ▶ Uster High volume instrument for cotton testing
- ▶ Uster AFIS PRO-2 tester for fiber process Control System
- ▶ Uster evenness tester for sliver, roving & yarn testing
- ▶ Uster tensojet for single yarn strength
- ▶ Advance yarn clearers (Uster Quantum 3 with polypropylene Detector) & foreign fibre detectors.
- ▶ Uster Classimat Quantum for the determination of the final quality of the yarn



YARN PROFILE

PARAMETER	UNIT	DESCRIPTION
Count Variation-USTER TESTER		
Count deviation	%	
Cvcb	%	Co-efficient of variation Of count between
Mass Variation-USTER TESTER		
Cvm	%	Co-efficient of variation of mass
Imperfections-USTER TESTER		
Thin -50%	1/1000m	Thick places per 1000m
Thick +50%	1/1000m	Thick places per 1000m
Neps +140%	1/1000m	Neps per 1000m
Neps +200%	1/1000m	Neps per 1000m
Hairiness-USTER TESTER		
H		Hairiness
Diameter variation-USTER TESTER		
CV2D	%	Co-efficient of variation
Tensile Properties-USTER TENSORAPID		
RH	CN/TEX	Breaking tenacity
EH	%	Breaking elongation
Tensile Properties-USTER TENSORAPID		
RH	CN/TEX	Breaking tenacity
EH	%	Breaking elongation
Twist properties-USTER ZWEIGLE TWIST TESTER		
Twist direction		
TM	T/m	Twist
CVTM	%	Co-efficient of variation of Twist

We will be able to supply yarn as per Uster standards and Quality Requirement by the Customer in all aspects.

QUALITY MANAGEMENT OF RAW MATERIAL

Raw material management is very important for the success of a spinning mill, because it absorbs most of the cash resources of the spinning mill.



a) Raw material sourcing

- Contract with detailed quality specification with the suppliers
- 1-Micronaire 2-Length
- 3- Strength (g/tex) 4-Maturity
- 5-Uniformity ratio 6-Short fibre index
- 7-Cotton moisture 8-RD Value
- 9-+B value

b) Bale storage

- Proper storage condition
- Bale management system

c) Handling

- Bale laydown according to quality rules (mixing recommendations)

QUALITY RECOMMENDATIONS FOR LAYDOWNS AT THE BALE OPENER

(Recommendations based on USTER HVI SPECTRUM test parameters)

For Fibre Fineness (Micronaire)

- ▶ Average micronaire between bale laydowns < 0.1
- ▶ CV% variation of micronaire within bale laydown 8% to 10%
- ▶ Proper Maintenance of bale management systems.

For Fibre Length and Length Uniformity

- ▶ Average fibre length between laydowns < 0.5 mm
- ▶ Variation of length within laydown max 2mm
- ▶ Average fibre length uniformity between laydowns 0.5% to 1%

For Fibre Colour Reflectance and Yellowness

- ▶ CV% variation of reflectance(RD) between laydowns < 5%
- ▶ CV% of variation of yellowness(+b) within laydowns <8%

QUALITY MANAGEMENT IN BLOW ROOM



a) Blending and Mixing

- Fibre quality of input and output
- Blending and Mixing consistency
- Stop-go ratio(fibre supply management)

b) Cleaning and Dedusting

- Dust and waste extraction
- Waste %
- Lint, short fibres and trash % and spinable fibres in waste

c) Contamination control

- Contamination control machines from VETAL and NESTLING TECHNOLOGIES
- Both colour and polypropylene detection machines installed in blow room lines.

d) Fibre Treatment

- Neps, short fibre content and trash balance through the opening and cleaning stages in the blow room.

IMPORTANT QUALITY TESTS

TEST PARAMETERS	INSTRUMENTS	TEST FREQUENCY 1	TEST FREQUENCY 2
1.Fibre fineness, Neps, SCN	USTER AFIS PRO-2	EVERY 2ND WEEK	Monthly
2.Fibre Length, SFC, Trash Content	USTER AFIS PRO-2	EVERY 2ND WEEK	Monthly
3.Waste Amount	BALANCE	EVERY 2ND WEEK	Monthly
4.Metal ejections	VETAL	ONLINE	
5.Spark Ejections	VETAL	ONLINE	
6.Foreign Fibres	VETAL	ONLINE	
7.Synthetic fibres (pp)	VETAL, NESTLING	ONLINE	

QUALITY MANAGEMENT IN CARDING

Experts often state that 'the card is the heart of the spinning mill', so a gentle fibre treatment in carding leads to good quality results.

- ▶ Amount of trash fibres and spinnable fibres in waste
- ▶ Wire type and point density
- ▶ Neps, trash and short fibre content to calculate removal efficiency from chute to sliver
- ▶ Card/can marking with number or colours
- ▶ Card grouping according to nep level
- ▶ Production of sliver cans with proper colour coding and group feeding
- ▶ Ambient humidity conditions
- ▶ Maintenance plan
- ▶ We are improving Cleaning efficiency, Nep Removal efficiency through running of Machineries at optimum speeds.



IMPORTANT QUALITY TESTS

TEST PARAMETERS	INSTRUMENTS	TEST FREQUENCY 1	TEST FREQUENCY 2
1. Sliver count	MAG SPINSOFT	Daily	
2. Sliver evenness, Mass Diagram, Spectrogram	USTER TESTER	Weekly	Monthly
3. Trash content	USTER AFIS PRO-2	Weekly	Every 2 nd Week
4. Waste amount	BALANCE	Weekly	Every 2 nd Week
5. Neps, Fibre length, SFC, IFC, Maturity	USTER AFIS PRO-2	Weekly	Every 2 nd Week

QUALITY MANAGEMENT IN COMBING

Combing is used to improve the evenness, strength and cleanliness of yarns and is a value-adding process step in cotton spinning.

OPERATIONS

- ▶ To produce an improvement in quality, the comber must perform the following.
- ▶ Elimination of a precisely pre-determined quantity of short fibres
- ▶ Elimination of a large proportion (not all) of the Neps in the fibre material.
- ▶ Formation of a sliver having maximum possible evenness.
- ▶ The amount of material combed out varies within the range 8-25% depending upon the short fibre present in the feedstock. The raw material concerned over quality improvements can exhibit large variations.
- ▶ According to USTER AFIS PRO-2 test, based on Noils SFC (N) and fibre length, removal of Noils% decided.
- ▶ Before deciding on the final waste percentage, optimize the Top comb penetration and feed length depending upon the requirement.
- ▶ Both the point density and the fineness of the needles are adapted to the raw material.
- ▶ We are improving Combing Efficiency, Short Fibre Removal efficiency, Nep Removal efficiency through running of Machineries at optimum speeds.

IMPORTANT QUALITY TESTS

TEST PARAMETERS	INSTRUMENTS	TEST FREQUENCY
1.Comber noil amount	BALANCE	Daily
2.Fibre length of Sliver, SFC(W)(N),NEPS,TRASH	USTER AFIS PRO-2	Weekly once
3.Sliver evenness	USTER TESTER	Weekly once
4.Sliver mass spectrogram	USTER TESTER	Weekly once
5.Sliver spectrogram	USTER TESTER	Weekly once
6.Fibre length in comber noil	USTER AFIS PRO-2	Weekly once
7.Short fibre content in comber noil	USTER AFIS PRO-2	Weekly once



QUALITY MANAGEMENT IN FINISHER DRAW FRAME



RIETER D-50 Auto Leveller Draw Frame has a big influence on quality of the final yarn, because it is the last point in spinning to actually control and affect the quality. One of the main tasks of the draw frame is to improve the short-term and medium-term mass variation and linear density, with regard to evenness of slivers.

SCANNING

- ▶ Perfect scanning serves as gateway for perfect levelling

LEVELLING

- ▶ Servo drive concept adapted for the drive systems pitches the right quality in output sliver.
- ▶ High performance drafting system with S Draft.
- ▶ Equipped with pneumatic aided auto-piecing technology, which eliminates manual piecing of material after breakage and saves considerable amount of time.

- ▶ It also ensures uniform quality of sliver as there is a high probability of creating a faulty place in sliver by improper manual piecing.

ONLINE QUALITY MONITORING

- ▶ Sliver count & A%
- ▶ Sliver evenness CV% and length variation for 5cm, 10cm, 25cm, 1m, 3m, 5m
- ▶ Spectrogram analysis
- ▶ Monitoring of Thick places > 2cm
- ▶ Monitoring of thick place and its control enables the overall technological control on the processes by exercising service activities on pre-draw frame process like card & comber and also helps to achieve high productivity on the post

IMPORTANT QUALITY TESTS

TEST PARAMETERS	INSTRUMENTS	TEST FREQUENCY
1. Sliver Evenness, Mass Diagram, Spectrogram	USTER TESTER	Daily
2. Sliver Thick Places	USTER TESTER	Daily
3. Fibre Fineness	USTER AFIS PRO-2	Weekly
4. Neps	USTER AFIS PRO-2	Weekly
5. Fibre Length	USTER AFIS PRO-2	Weekly
6. Short Fibre Content	USTER AFIS PRO-2	Weekly
7. Sliver Count	MAG SPIN SOFT	Daily

QUALITY MANAGEMENT IN ROVING

- ▶ Roving twist
- ▶ Roving Stretch %
- ▶ Build-up of roving bobbins
- ▶ Diameter of roving bobbin
- ▶ Weight of roving bobbin
- ▶ Roving break level
- ▶ Ambient RH% Conditions
- ▶ Maintenance plan



IMPORTANT QUALITY TESTS

TEST PARAMETERS	INSTRUMENTS	TEST FREQUENCY
1.Roving Count	MAG SPINSOFT	Daily
2.Roving Mass Variation Cvm	USTER TESTER	Daily
3.Roving Spectrogram	USTER TESTER	Daily
4.Fibre Length In Roving	USTER AFIS PRO-2	Weekly Once
5.Short Fibre Content In Roving	USTER AFIS PRO-2	Weekly Once
6.Neps In Roving	USTER AFIS PRO-2	Weekly Once

QUALITY MANAGEMENT IN RING SPINNING

- ▶ Superlative performance with **Suessen** Elite Compact® & **LMW** Spinpact which is well proven all around the world with the following yarn quality parameters.
- ▶ Increase in Yarn tenacity by up to 15%, ZWEIGLE yarn hairiness S3 reduced up to 85%, Uster Hairiness Index improvement up to 30% and improvement in yarn imperfections and classimat faults.
- ▶ Total draft ,break draft, main draft, drafting roller distance and settings
- ▶ Selection of drafting elements like cots, aprons, travellers etc.
- ▶ Choice of appropriate draft
- ▶ Service and maintenance
- ▶ Ambient RH% conditions



IMPORTANT QUALITY TESTS

TEST PARAMETERS	INSTRUMENTS	TEST FREQUENCY
1.Yarn count& CSP	MAG CSP SYSTEM	Daily
2.Yarn strength, Elongation	MAG CSP SYSTEM	Daily
3.TWIST	MAG CSP SYSTEM	Monthly
4.Evenness, Hairiness	USTER TESTER	Daily
5.Neps,Thin,Thick places	USTER TESTER	Daily
6.Yarn diameter, Yarn Shape	USTER TESTER	Daily
7.Hairiness	USTER ZWEIGLE G566	Monthly
8.Yarn strength, Elongation	USTER TENSOJET 4	Weekly

QUALITY MANAGEMENT IN WINDING

- ▶ The winding process after ring spinning is the last chance to control the quality of the production, to ensure its homogeneity and consistency.
- ▶ Classification setting depends upon by end use of the product & customer satisfaction. Uster Quantum -3 clearer with polypropylene detection available to produce Contamination controlled yarn.
- ▶ Ambient RH% conditions
- ▶ Maintenance plan

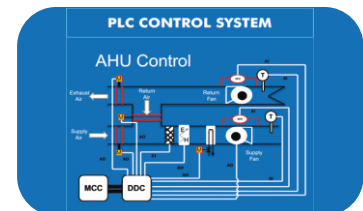


IMPORTANT QUALITY TESTS

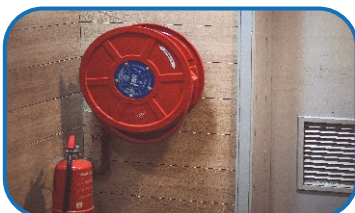
TEST PARAMETERS	INSTRUMENTS	TEST FREQUENCY
1.Yarn count& CSP	MAG CSP SYSTEM	Daily
2.Yarn evenness, Hairiness	USTER TESTER	Daily
3.Neps, Thin and thick places	USTER TESTER	Daily
4.Yarn strength / elongation	USTER TENSOJET 4	Monthly Once
5.Splice strength	SAURER SPLICE TESTER	Monthly Once
6.Seldom faults ,Foreign Fibres,PP	USTER CLASSIMAT-5	Weekly
7.Hairiness	USTER ZWEIGLE G566	Weekly

AUTOMATIC HUMIDIFICATION PLANT

The Complete Spinning Plant Is Installed With Automatic Humidification Control System For Hassle Free Working In Any Type Of Climatic Conditions.



SAFETY SYSTEM



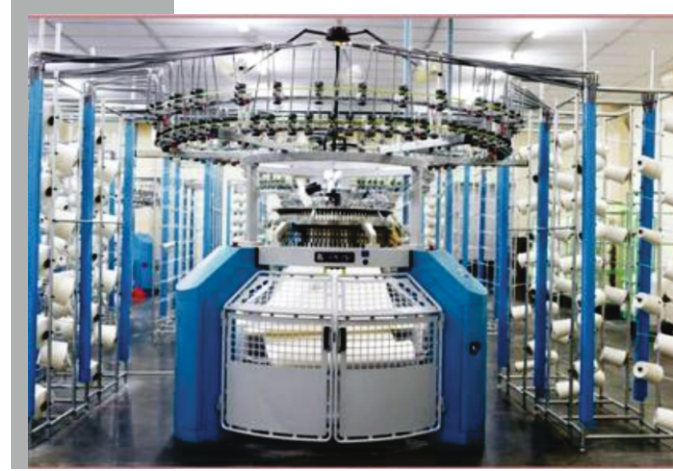
We are maintaining Safety committee to educate and follow up all level of workers.

Well trained and skilled workers having excellent work methods. Well Maintained Fire safety equipment's provided as per Fire Safety rules.

KNITTING

Knitting division is located in tirupur, tamilnadu. It produces grey single jersey in diameter ranging from 14' up to 42'. The knitting unit has the capability to produce 10000 Kgs of Fabric per day. Our knitting machines are located in kangayam, avinashi, tirupur town, kumar nagar, mangalam road.

- ▶ Machines of Unitex and Mayer & cie, Kay knit make.
- ▶ We are using GROZ BECKERT needle and Vickers oil in knitting machines.
- ▶ Inch for 3 feeder to avoid spirality.
- ▶ In knitting machines we are maintaining yarn tension 6 to 8 grams for each and every yarn in tension meter.
- ▶ Take down mechanism avoid grease mark, maintaining fabric also.
- ▶ We are using STARFISH UK Software to maintain the roll weight (convert meter per kgs) to avoid shortage.
- ▶ 100 % Inspection of fabric rolls under 4 point Inspection System.



GARMENTS

- ▶ Our garment facility is equipped with state of art equipment's and robust systems for producing inner and outer wear.
- ▶ Top quality raw materials, modern machinery and energy efficient production techniques for manufacturing premium quality products at competitive prices.
- ▶ Specializing in manufacturing of knit garments in categories of inners, lounge, baby& kids, Women's bottoms & men's outer for leading fashion trends.
- ▶ Colour dreams/colour bird/colour jerseys-world class garmenting unit, adopting lean manufacturing techniques and certified for ethical compliance.
- ▶ We use quality machineries from YAMATO, JUKI, PEGASUS, RAMSON & SIRUBA etc.



WIND & SOLAR ENERGY

- ▶ *As on today 90% of power consumed for all manufacturing units is are coming from these wind and solar plants. we are proud of being the producers and users of 100% green energy.*
- ▶ *Our company has 12 wind mills with a total capacity of 10 MW of power, situated in the most vantage places in the state of Tamilnadu. And also 1 solar power plant with a capacity of 1 MW of power, situated in Dindigul, Tamilnadu.*



PRODUCTS



YARN

- ▶ Our major specialization is 100 % Cotton combed compact knitting and weaving yarns up to 60/1 Count.
- ▶ Equipped with spinning machineries with Latest technology.
- ▶ SAURER AC-6 latest technology Autoconer with USTER QUANTUM-3 clearer includes Polypropylene detection option.
- ▶ All produced cones conditioned in YCP PLANT to Maintain homogeneity of the product .

GREY FABRICS

- ▶ Knitted Fabrics available in Single jersey, Rib, Interlock, Thick Pique, Cotton with Lycra.

Gauge	Products Details
14, 16, 18	Rib fabrics
20, 24, 28	Interlock fabrics - Regular
32, 36	Interlock fabrics - special for Kids wear
24, 26	single jersey fabrics - Regular
28, 30	single jersey fabrics - special

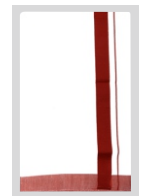


As per customer requirement, special products such as thick pique, cotton with lycra are produced in house.



GARMENTS

- ▶ Grey, Dyed, Bleached Fabrics in several gauges.
- ▶ Daily 1 Lakh pieces production of under garments in any style.
- ▶ Outer garments monthly 1.5 lakhs pieces production capacity in any style.
- ▶ Woven Shirts & dhotis production 1.5 Lakhs pieces per month.





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