

**“Quality & Innovation”**

**Arisudana**  
INDUSTRIES LTD.

**Vortex Spun Yarns** : Raw White & Fancy  
**Ring Spun Yarns**: Raw White & Fancy



**AERIAL VIEW OF OUR SPINNING UNIT IN LUDHIANA**

# Arisudana Industries Limited

We, Arisudana Industries Ltd. (AIL), are one of the leading manufacturers of value added yarns in India, As we are based in Ludhiana (a hub of Hosiery fabrics) Punjab, we take the advantage of creative customers who always support us by the experiments of never before seen products in the market. We are also very close to the huge textile hub of Pakistan market, that is, Faisalabad & Lahore which is also one of our regular markets. We manufacture both raw white & specialty yarns on Ring Spinning & Vortex Spinning system. **Being the largest & only regular supplier of VORTEX Spun yarns in India & the only suppliers of Fancy VORTEX yarns in the world**, we have been able to expand our capacity as well as our product range & customer base rapidly. Today, we are operating 4608 vortex spinning positions, which in production terms is equivalent to approximately 64,000 ring spinning spindles.

We also have 17,664 Ring Spinning Spindles on which we are producing Raw white & all kinds of Specialty yarns like Injecion, VarioSyro, Jaspe, Grindle, P/C Snow, Poly/Linen yarns, Flutter, Pro-Indigo (After dyeing effect), 4D Yarn and many more...

## EXPANSION

1728 VORTEX Spinning positions were commissioned fully in March, 2018. Our monthly production is 1500 MT in Vortex and 600 MT Ring Spun yarn. What sets us apart from the competition in the specialty yarn segment is our flexibility in minimum order size (MOQ) which is necessary to start business with any new customer in any new product. Besides, we also have a wide product range & have a direct interface with our customers leading to proactive product innovation. For all the above products, the raw materials used are of AAA grade quality.

## VISION

To grow quantitatively & at the same time retain our position as one of the leading manufacturers of good quality, specialized & value added yarns.

## STRENGTHS

- **Human Resource:** We take pride in retaining a skilled and enthusiastic team which always works very innovatively and cohesively for the organization growth.
- **Machinery:** Besides having latest manufacturing machineries, our mills have quality control departments well equipped with quality testing apparatus.
- **Social Compliance:** The mill premises have green, peaceful and healthy environment. Our workmen as well as intermediate staff have been provided free accommodation, canteen, and recreational facilities in mill premises.

## HISTORY & TIMELINE

- 1983 –Worsted spinning unit
- 1988 –Hollow machines
- 1993 – Wool combing unit
- 1996 – Ring spinning unit for processing of 100% acrylic
- 2003 – VORTEX Spinning for processing of polyester blends
- 2013 – Ring spinning for processing of polyester blends

At present, except for VORTEX Spinning & the latest Ring spinning plant, earlier units of worsted, hollow, wool combing & acrylic spinning have been decommissioned.

# Arisudana Industries Limited

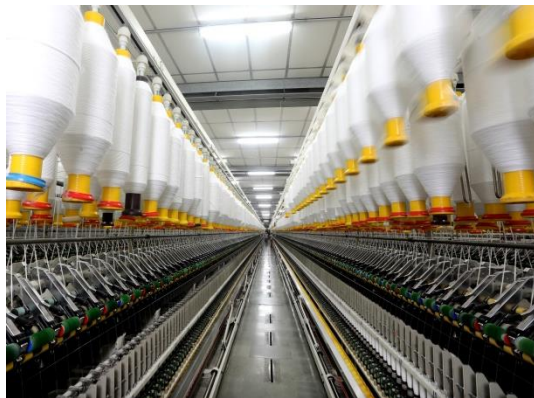
## CAPACITY & TECHNOLOGY

**VORTEX SPINNING** : We are the largest producers of Airjet Spun Single yarns in India, being one of the first to put up this path-breaking technology of Muratec Industries of Japan long back in 2003. For the products that we manufacture, that is, Zero-Pilling 100% Polyester & Polyester Rich blends, we are not only the largest but also the only suppliers of single ply yarns in the country. As a result, we are well established throughout the country. We also export a significant portion of the production to cater to our overseas buyers.

The carding & drawing machines have been continually modernized & hence we have a very healthy average machine age of 4 years. In totality, we are working with 4608 positions producing approximately 1500MT of this yarn per month.

As these machines run at 12 times the speed of conventional ring systems, any compromise on the quality of the raw material is not possible. Therefore, we can only offer top quality AAA grade fibre based products.

**RING SPINNING**: Our unit of 17,664 spindles was put up in early 2013. We have the latest machinery & USTER quantum 3 yarn clearers to guarantee quality. We are producing approximately 600 MT of yarn per month on this system. This unit is semi-automatic plant having latest machines with link-coner, auto doffing system. We are producing RW Polyester and various types of specialty yarns like Poly/Linen, P/C Snow, Slub, Injection, Roving Grindle, Magic yarns & many others.



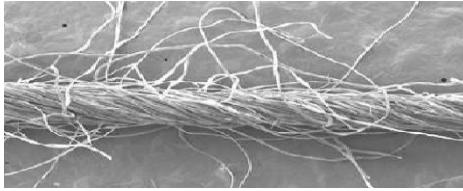
**RING SPINNING**



**VORTEX SPINNING**



## ADVANTAGES OF VORTEX MJS YARNS OVER RING YARNS



**RING YARN**



**VORTEX MJS YARN**

- **LOWER HAIRINESS**
  - Zero pilling
  - Higher efficiency in downstream processes like knitting, weaving & singeing
  - Cotton-like touch in 100% polyester fabrics
  - Fine printing & superior appearance of striper fabrics
- **PARALLEL/UNTWISTED CORE FIBRES**
  - Bulkier Yarn which leads to better dye uptake, moisture absorption & drying properties
  - Lower Residual Stresses/more stable yarn gives superior drape of fabric. 100% polyester fabrics give crisp cotton like drape making them ideal for mens garments & institutional use & also leads to higher wash resistance
- **BETTER CONTROL DURING SPINNING PROCESS**
  - No dead neps on fabric surface leading to clear fabric appearance
  - Single source yarn leads to only 4-5 joints in full cone vs 50-60 in ring spun yarn
- **MORE VERSATILE & FLEXIBLE YARN**
  - As it gives users the additional option of retaining a crisp drape & touch in the fabric but can be easily modified using simple finishing techniques like silicon softeners

## ADVANTAGES OF VORTEX MJS YARNS OVER VORTEX MVS YARNS



**VORTEX MVS YARN**



**VORTEX MJS YARN**

- **HIGHER PARALLEL/UNTWISTED CORE FIBRES LEADS A MORE STABLE YARN STRUCTURE & MORE BULKIER AS CAN BE SEEN IN ABOVE MICROSCOPIC VIEW**
  - Superior Drape, cotton like drape possible in 100% polyester fabrics, higher wash resistance
  - Better dye uptake, moisture absorption & quick drying properties
- **LOWER SPINNING SPEED OF VORTEX (300mpm)**
  - Due to extremely high spinning speeds of MVS (500 mpm), the oligomers present in 100% Polyester turn to powder thereby choking the nozzle, blocking the path of air which leads to untwisted, weak spots, in the yarn
- **MORE VERSATILE YARNS**
  - As it gives users more options especially in terms of drape & touch.

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## PRODUCT LIST

### VORTEX SPINNING

- 100% Spun Polyester Zero Pilling Yarn – 1/12s to 1/40s
- Synthetic Blended Yarn – Poly Acrylic (70/30 & 90/10) – 1/20s & 1/30s
- Speciality Yarn in 100% Polyester & Poly rich PA & PV & Tri Blends – 1/20s, 1/24s & 1/30s
  - Plain effect – 8% Black Melange, Cloudy black melanges & 100% Dope Dyed Black.
  - Hairy – RW, Black, White & Multi in various effects
  - Neppy – RW, Black, White, Multi & Neon Neps

### RING SPINNING

- 100% Polyester Spun Yarn – 1/8s to 1/24s
- Speciality Yarn in 100% Polyester & Poly rich PA, PV & PC – 1/20s, 1/24s & 1/30s
  - Poly Slub & Black/White Injection yarn of Viscose, Acrylic & Cationic.
  - Vario Syro Slub & Injection
- Tri Blends: PVL (70/10/20) & AVT (45/45/10) – 1/20s



- All counts in Ne.*
- All products are dyeing quality & give users the option to develop a wide range of colours.*
- We have a separate range of products suitable for knitting & weaving.*