



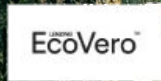
**RANGA WEAVES**  
*India (P) Ltd*



# Introduction

## Airjet Woven Fabrics

Eco-responsible fabric meeting high environmental standards contributing to cleaner and greener planet.





# About Us

Ranga group has been in the trading and manufacturing industry for three generations. It was established in the year 1962 as a trading company. In 1989 we diversified into the textile business.

Our aim when we entered the textile business was to make world class apparel fabrics. When we began, we had 24 state-of-the-art airjet weaving machines with a capacity to produce three hundred thousand meters a month. Today we have grown to have 306 airjet looms producing 90 million meters of fabric a year. In addition to the increase in the quantity of our output, our constant endeavor to enhance the quality of our product led us to procure and use the reputed Karl Mayer warping and sizing machines.

Today we produce a diverse variety of apparel fabric made out of cotton, viscose, modal, tencel, and linen, polyester, nylon among others. We have also started to actively focus on producing environment-friendly and sustainable fabrics such as those made using organic cotton, EcoVero & Livaeco yarns. Further, as part of corporate social responsibility, we have optimized our energy consumption and sourcing to use almost 100% electricity requirements from renewable sources like wind energy / solar energy.





# Warping

We have installed Karl Mayer warping machines which produces top-quality warp beams for weaving. This machine gives high-production performance with warping speeds of up to 1,200 m/min for best warp beam quality with uniform and precise yarn arrangements for achieving high quality during weaving.





# Sizing

We have installed Karl Mayer sizing machine which processes spun yarns to high-quality warp beams. Some of the features of this machine are, minimum yarn stretch, low hairiness, minimum size liquor volume & self-adjustable algorithm for perfect yarn guiding over the whole sizing process which ensures maximum efficiency/quality in weaving.





# Weaving

We have installed TOYOTA airjet weaving machines which are designed to produce high quality fabrics with innovative features and increased flexibility. Toyota adopts new technologies to produce high quality fabrics to meet diverse range of garment manufacturers. These machines provide garment exporters satisfaction at every level in terms of productivity, quality & versatility. Highly challenging fabrics are possible with our new eshed weaving machines. Our weaving machinery offers a high degree of versatility that can accommodate to weave wide variety of textile products.





# Production Capacity

Our State-of-the-art machinery ensures consistent quality of our products with a capacity to produce 90 million metres per year.

Airjet Weaving Machines – 306 Toyota Airjet Looms

Warping & Sizing – Karl Mayer.





# Renewable Energy

Our company is committed to a sustainable future, with a total installed capacity of 18 megawatts generated entirely from renewable sources. Harnessing the power of nature, we produce 6 megawatts from wind energy and 12 megawatts from solar energy, achieving a 100% renewable energy footprint. This reflects our dedication to protecting the planet and promoting a cleaner, greener future for all.

Through this commitment, we prevent an estimated 33,000 metric tons of CO<sub>2</sub> emissions annually, reinforcing our role in building a more sustainable world.





## MANUFACTURER OF AIRJET WOVEN FABRICS

Weaves - Satin / Plain / Twill / Drill / Dobby Designs

100% viscose fabrics

Birla Cellulose / Lenzing Viscose / Ecovero / Liva Eco / Liva



Quality	Construction	Width	Weave
30s x 30s	68 x 60	48" & 63"	1/1
30S Slub x 30s Slub	68 x 60	48" & 63"	1/1
30s x 30s	92 x 62	63"	2/2
30s x 30s HT	68 x 48	54" 63" 71"	1/1
30s x 30s HT	56 x 44	54" 63" 71"	1/1
40s x 40s	84 x 72	63"	1/1
40s x 40s	92 x 72	63"	1/1
60s x 60s	92 x 80	63"	1/1



# Products

## Birla Modal / Lenzing Modal / Cotton Modal



Quality	Construction	Width	Weave
60s x 60s	92 x 80	48" & 63"	1/1
60s x 60s	165 x 104	63"	1/1
60s x 60s	144 x 78	48"	1/1

## Tencel / Excel



Quality	Construction	Width	Weave
30s x 30s	92 x 72	63"	2/1
30s x 30s	128 x 60	63"	1/1
40s x 40s	150 x 74	63"	2/1



# Products

## Cotton / Organic

Quality	Construction	Width	Weave
40s x 40s	120 x 100	63"	1/1
50s x 50s	132 x 72	63"	1/1
60s x 60s	165 x 104	63"	4/1
60s x 60s	132 x 108	63"	1/1
60s x 60s	92 x 88	48" & 63"	1/1

## Cotton - Flex / Viscose - Flex

Quality	Construction	Width	Weave
2/40s x 20s CF	56 x 44	63"	1/1



# Products

## Viscose - Poly Lycra

Quality	Construction	Width	Weave
30s x 97 DN Poly Ly	86 x 88	80"	Twill
30s x 100DN Poly Ly	132 x 72	63"	Twill
30s x 80/2 DN Poly Ly	132 x 68	63"	Twill

## 100% Linen

Quality	Construction	Width	Weave
25 Lee x 25 Lee	40 x 36	47" to 71"	1/1
44 Lee x 44 Lee	48 x 44	47" to 71"	1/1
50s Lee x 50 Lee	52 x 48	47" to 71"	1/1
60 Lee x 60 Lee	52 x 52	47" to 71"	1/1



# Contact

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