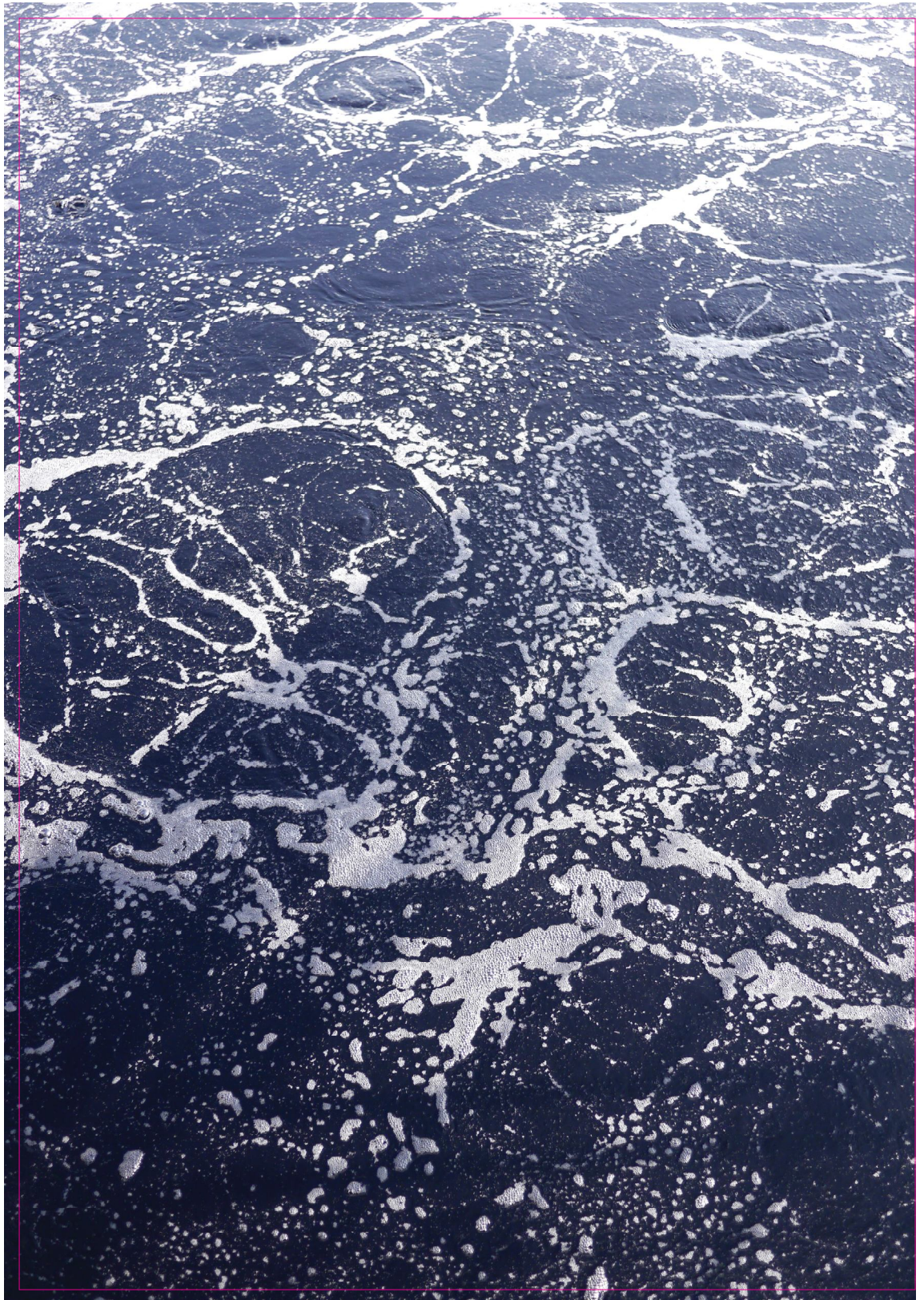




PIONEER DENIM

The world's largest Leed Platinum certified textile mill.

A COMPANY PROFILE



At Pioneer Denim we:
— MAKE BLUE, THINK GREEN —

— MAKE BLUE, THINK GREEN —



Introducing Badsha Group of industries:

Badsha Group of Industries began its journey in Dhaka, 1976 and has since grown into one of the largest and most lucrative conglomerates in Bangladesh to this day, specialising in the Textile and Ready Made Garments (RMG) Sector.

The spinning sector of the company has also achieved both Gold and Silver Trophies in Bangladesh for many consecutive years.

Badsha Group of Industries comprises of:

- Badsha Textiles Ltd.
- Badsha Fashions Ltd.
- Badsha Yarn Ltd.
- Kamal Yarn Limited
- Pioneer Denim Limited
- Pioneer Knitwears (BD) Ltd.



Introducing Pioneer Denim:

Pioneer Denim Limited has been awarded as the worlds largest Leed Platinum certified textile mill. A second generation denim mill created under Badsha Group of Industries, situated in Habiganj, Bangladesh.

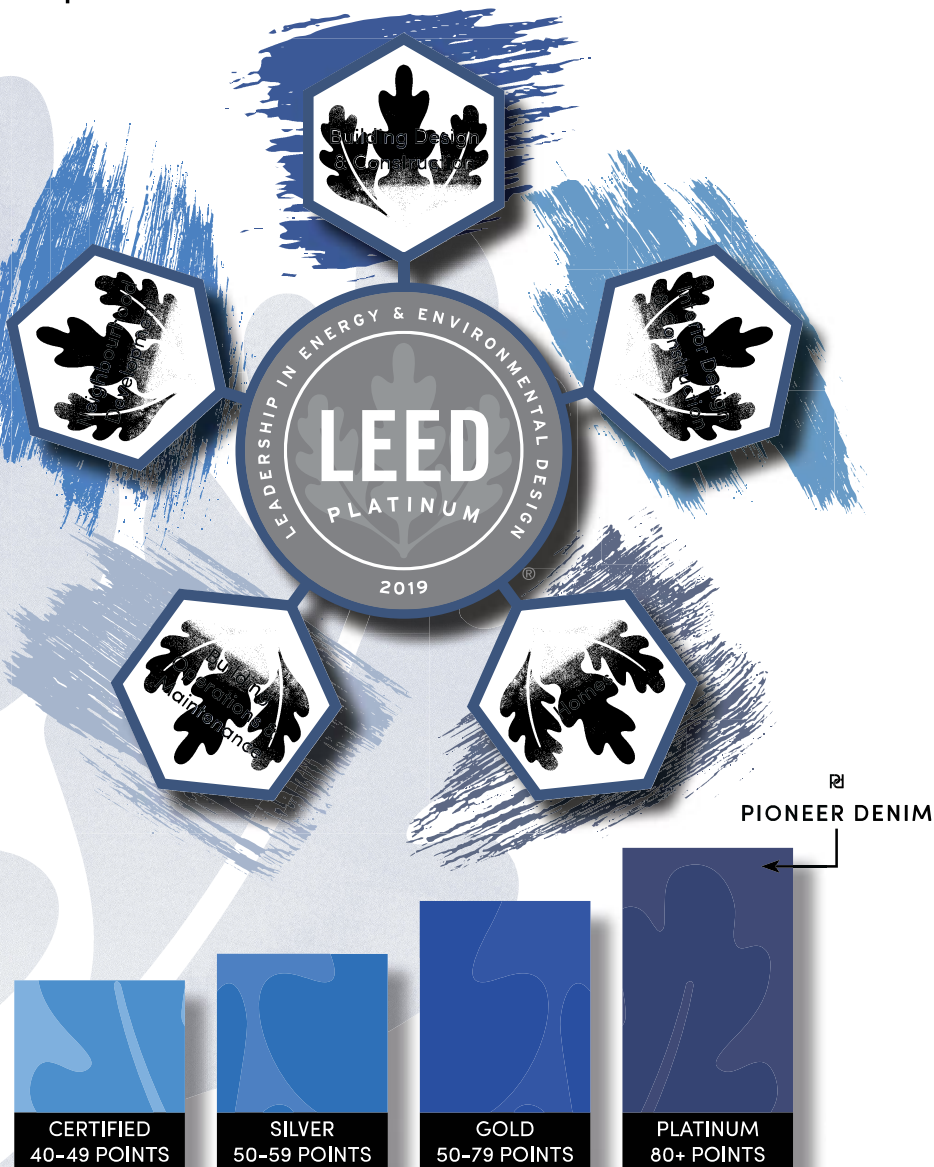
Being an emerging, vertically integrated, state of the art, denim fabric manufacturing business, Pioneer Denim are able to assure high standards of quality right from the spinning process all the way to finished denim fabric ready for shipping, creating a strong presence in the fashion industry at the forefront of innovation.

Pioneer Denim have built a great R&D team, with international consultants, who create a 360° approach to denim fabric making all under one roof.

The manufacturing process is equipped with cutting edge, modern, high-tech machinery from Japan, U.S.A, Germany, Italy, Switzerland and Belgium to ensure Pioneer Denim make the best denim in the industry.

- 150 acres plant located in Habiganj, Bangladesh.
- 1.4 million sqft manufacturing plant facility.
- 60 million yards of fabric production capacity per year expanding to 80 million yards in 2025.
- Modern high-tech European and American Machineries.

These are the LEED Platinum Certificate requirements:



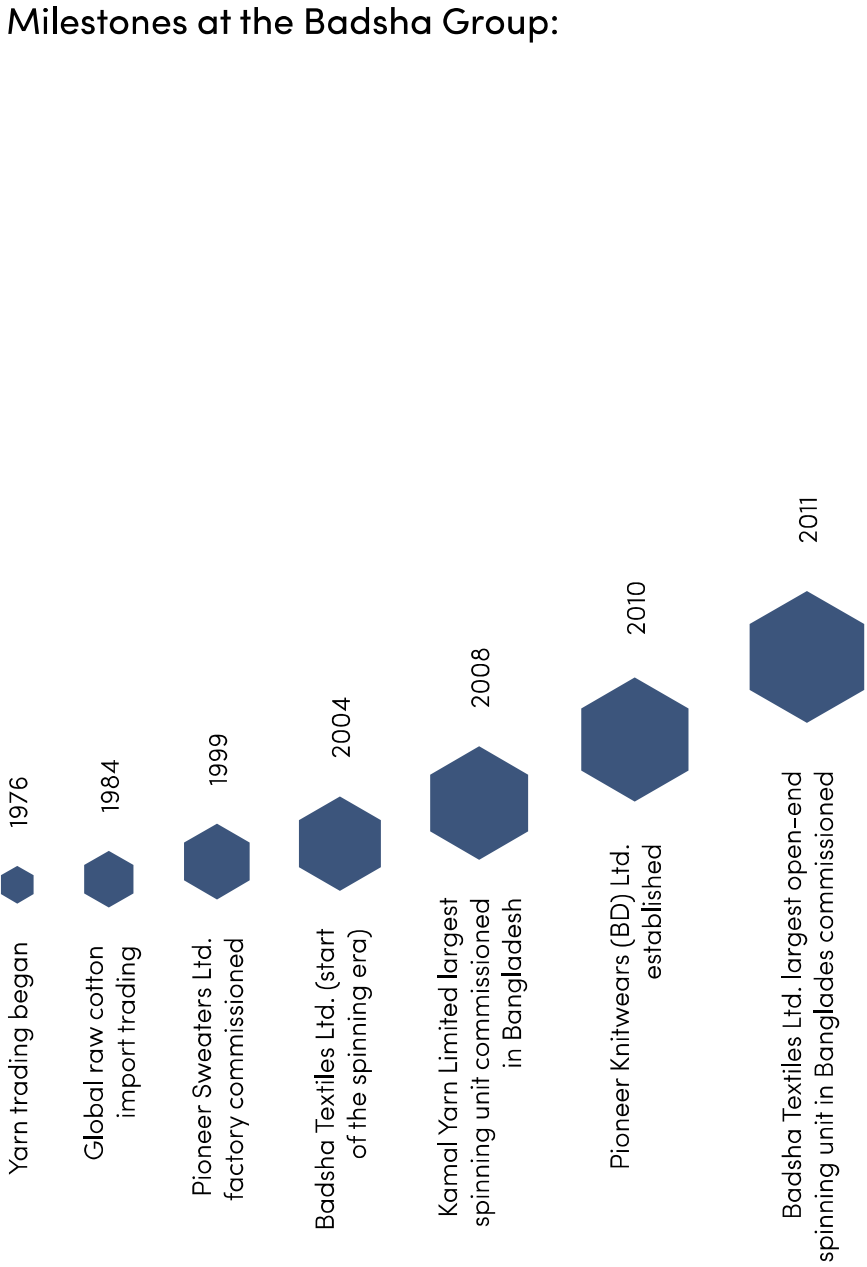
Pioneer Denim has been awarded as the worlds largest **LEED PLATINUM** certified denim Mill.

How Pioneer Denim became the worlds largest LEED Platinum Certified Denim mill:

The Leadership in Energy and Environment Design (LEED), is a green building certification program that recognises the best in class, in strategies and practices across the globe. LEED promotes better buildings, places that complement the environment, enhances communities and places that give people better, brighter and healthier spaces to live, work and play.

The LEED Platinum certificate is based on a credit system, which earns points per category, see page opposite for your reference of the criteria entailed.

Pioneer Denim is one of the only Denim Mills in this region to achieve a LEED Platinum certificate, meaning they have earned over 80 points, the highest category for a LEED certificate. *'...We want to show the world that we are serious about saving energy, making green buildings and taking care of our employees while continuing to drive innovation. We are extremely proud to achieve the LEED Platinum Certificate...'*



Badsha Textiles Ltd. new largest unit in Bangladesh commissioned

2015

Beginning of Pioneer Denim Limited

2017

Vertical integration under process

2018

Pioneer Denim has been awarded as the worlds largest Leed Platinum Certified Denim mill

2019

Received Cradle to Cradle (Gold) for producing azure denim fabric

2021

Production Capacity increased upto 5 million yards per month

2022

YARN SPINNING PROCESS

1. COTTON BALES
2. CLEANING COTTON
3. CARDING
4. BREAKER DRAWING
5. LAP FORMER
6. COMBER
7. FINISHER DRAWING
8. ROVING
9. RING SPINNING
10. AUTOMATED RING SPINNING
11. OPEN-END SPINNING
12. WINDING
13. CONTROL & TESTING
14. PACKING



1. Cotton Bales, 2. Cleaning Cotton, 3. Carding, 4. Breaker Drawing

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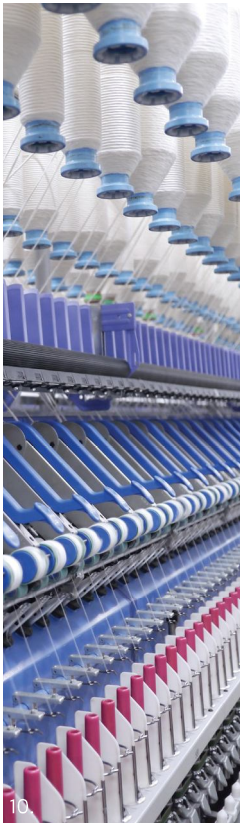
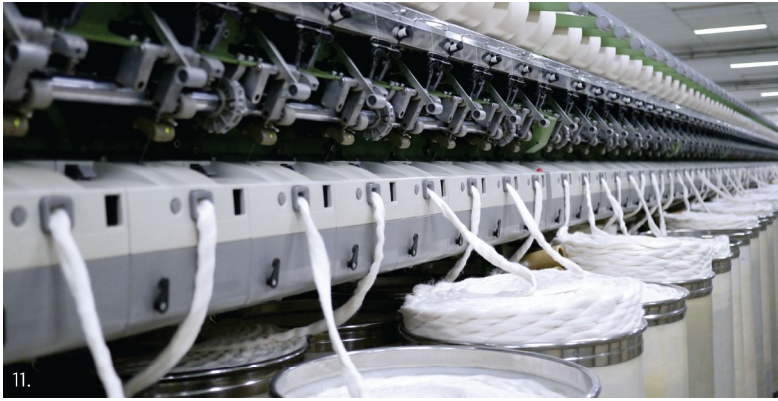


5. Lap Former, 6. Comber, 7. Finisher Drawing, 8. Roving



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9. Ring Spinning



10. Automated Ring Spinning, 11. Open-End Spinning, 12. Winding
13. Control & Testing, 14. Packing

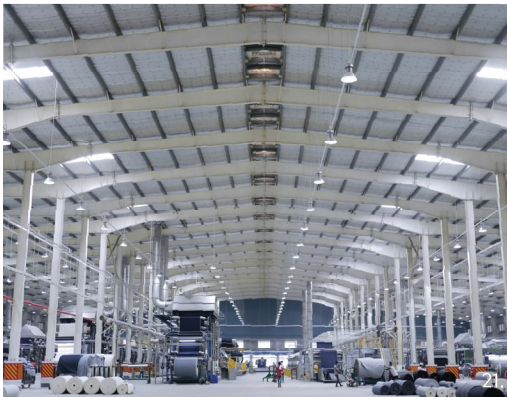
DENIM FABRIC PROCESS

15. WARPING
16. ROPE DYE
17. SLASHER DYE
18. BEAMING
19. SIZING
20. WEAVING
21. FINISHING
22. INSPECTION
23. CONTROL & TESTING
24. SHIPPING
25. ETP

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15. Warping, 16. Rope Dye, 17. Slasher Dye, 18. Beaming

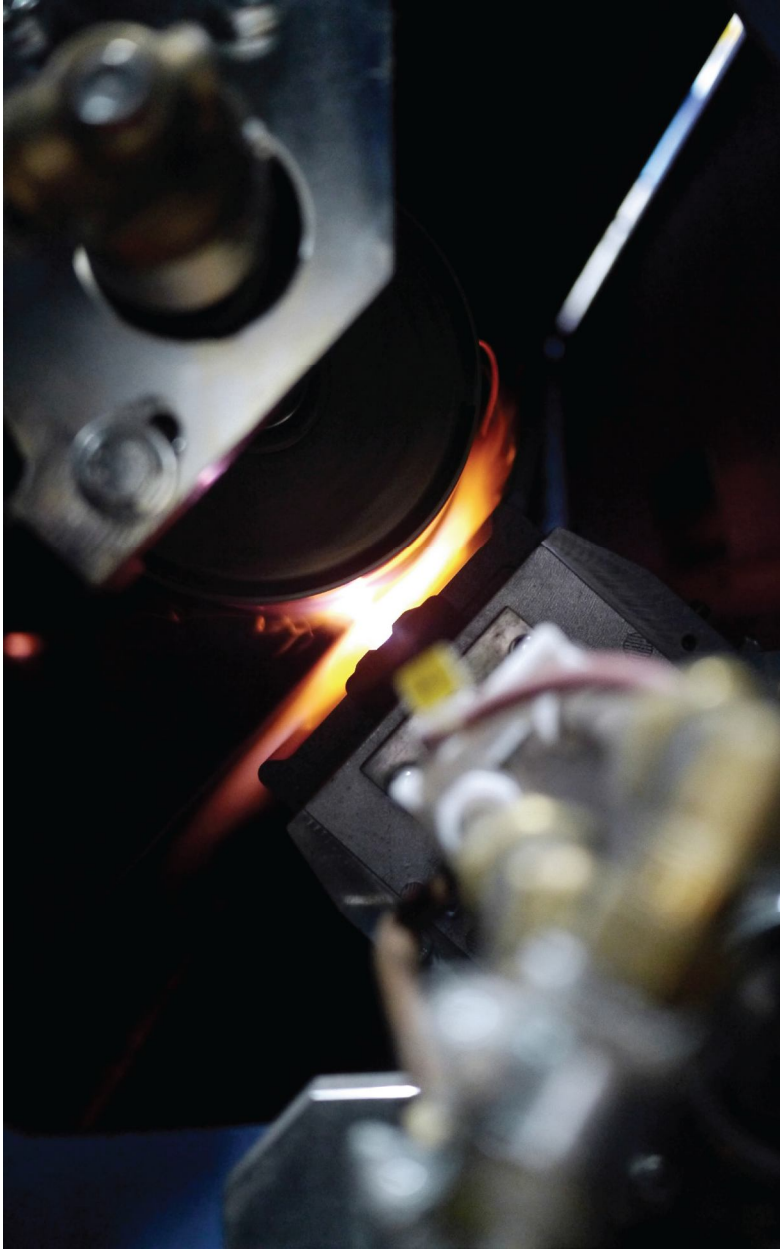


19. Sizing, 20. Weaving, 21. Finishing, 23. Control & Testing

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22. Inspection, 24. Shipping, 25. Effluent Treatment Plant (ETP)



SANFORIZATION METHOD

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Product Range:

Pioneer Denim offers a wide range of high quality denim fabrics ranging from 4 oz to 20 oz in basic, cross hatch, stretch, super stretch, nappy, bull, crushed denim, knit denim, coloured denim, print denim, coated denim and a much wider range of fabrics with various finishes, with an option to use the rope dye, slasher dye, direct warping, sectional warping and CPB facilities within the denim mill.

Our sustainable denim range comprises of eco-friendly raw materials and processes such as ozone, laser, green chemicals, recycled water, recycled cotton, recycled polyester, organic cotton, etc.

State of the Art Facilities:

Research & Development Centre:

R&D is at the heart of Pioneer Denim. This is where ideas come to life! To support this essential part of the process, Pioneer Denim invested in building a creative space for their R&D team. The team focus's on new fabric innovations, laundry washes and also building a one-line cut and sew unit, so that new developments on fabrics, washes and styles can all be made under one roof making Pioneer Denim's R&D team a leading force within the industry.

In the Lab:

Pioneer Denim established a state of the art lab which is well equipped with the best technologically advanced procedures of physical testing methods, such as:



SLASHER DYE

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fabric weight, tear, tensile, colour transfer, shrinkage, skew, dimensional stability, pilling, PH control, colour fastness to water, perspiration, washing and ozone as well as tapering & shading.

This lab is accredited by Levi's, Kontoor and many others Brands.

Online Quality Measuring System:

The use of computerised colour matching Data Colour System (DCS) assures shade consistency in bulk production.

Pioneer's online quality measuring system assures control over fabric qualities throughout the entire production cycle.

With it's inhouse cotton recycling facility, Pioneer denim is now offering recycled post and pre consumed denim contributing to the circular economy concept.

Raw Materials:

Sourcing Raw Materials:

1. Pioneer Denim is supported by its high quality integrated spinning sector, specialised in yarn manufacturing in Bangladesh. The vertical integration helps to achieve the highest quality production denim in the shortest **Lead time**.
2. Pioneer Denim also works with world leading sustainable yarn suppliers BCI, CMIA, Unifi, Lenzing, Viscose, modal, Refibra as well as other leading suppliers for high quality yarn products to create the best denim portfolio.
3. Pioneer Denim strives to use the highest quality, eco-friendly dyes and chemicals in their manufacturing process.

Environmental Responsibility:

Pioneer Denim strive to minimise the environmental impact created from the production of denim, providing sustainable denim has been at the forefront and at the core of Pioneer Denim's goals and priorities since the beginning.

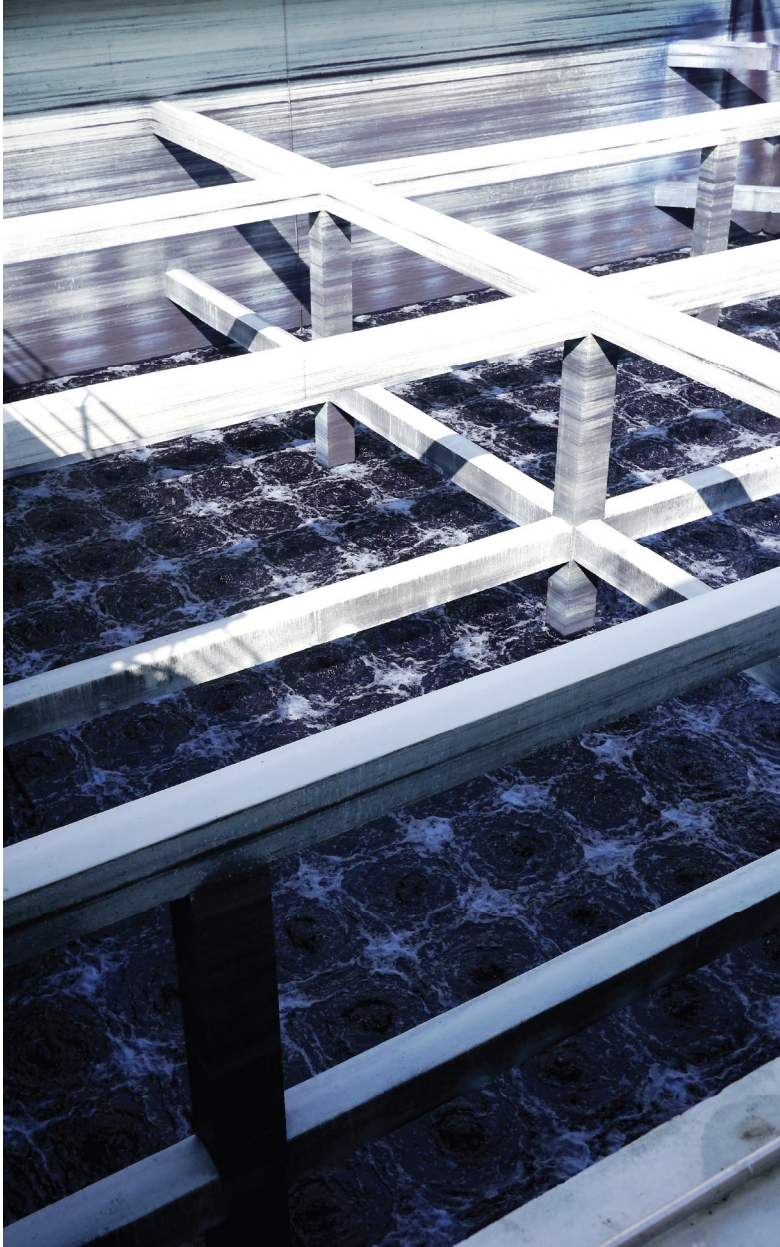
Effluent Treatment Plant (ETP):

Pioneer Denim has a world class production unit including one of the [largest ETP plants in Bangladesh, with a capacity of 6000 m³/Cleaning facility per day.] Operated with biological processing as well as "re-usable" option of membrane and Reverse Osmosis (RO) meaning they re-use treated water at the facility. Pioneer Denim is already set up to meet the challenges presented by the 3R Initiative: Reduce, Reuse and Recycle by 2024.

HIGG Index: Pioneer Denim already achieved 78% in FEM and 73.6% in SLCP and also targeting continuous improvements in these scores to become the highest scorer within the industry.

Reusing Water & Energy:

Saving water for future generations to come is at the heart of Pioneer Denim's vision of priorities. By treating water and reusing it, it creates less waste and cleaner energy, when producing bulk denim production.



EFFLUENT TREATMENT PLANT (ETP)

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How do Pioneer Denim save water and energy?

- Using the Radiator System Power Plant (RSPP) (saving 18% power).
- 2/1 pick wash system dyeing machine saving water at a greater level.
- 20,000 m³ rain water harvesting system.
- From the Effluent Treatment Plan (ETP), they can re-use 20 m³/hr of water at present which will increase up to 150 m³/hr in the future. Enabling the use of 100% of reusable water at the facility by 2024 through zero liquid discharge.

Saving Power Consumption:

- The installation of sky lights throughout the denim mill, means less use of electricity.
- Double glazed glass windows.
- Inverter controlled water pumps.
- VSD controlled Compressors & Boosting Pumps.

All together Pioneer Denim saves 18%(3240 kW) of the total power requirement at the facility.

LEED Certification:

Pioneer Denim Limited the world's largest LEED Platinum certified denim mill, saving energy with green building technology as well as considering all other safety measures has always been given a priority.



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SOLAR PANELS OVERLOOKING THE PIONEER DENIM PLANT

CSR activities & Facilities:

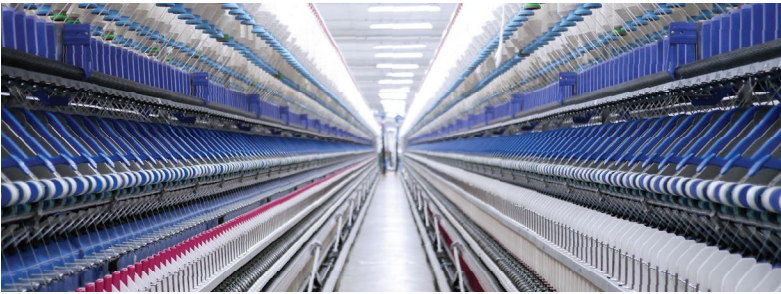
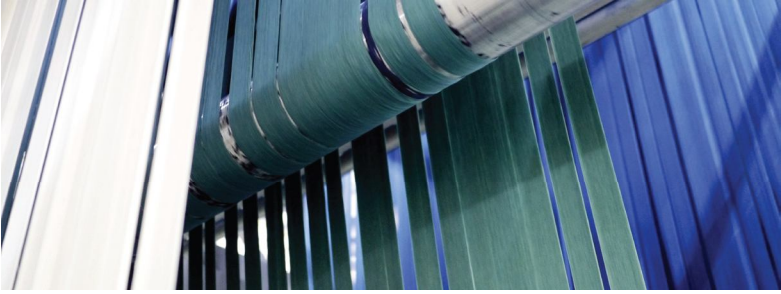
Pioneer Denim provides employees with accommodation facilities and medical care with insurance.

A large space for recreational activities, in-house Gym, hosting tournaments for various sports, hosting different cultural programs and a lot more for the communities motivation and wellbeing.

Pioneer Denim donates to charitable causes located close to the manufacturing plant, including schools, colleges and health care organisations for developing educational and a healthy lifestyle for the future generation.



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Business Motto:

Pioneer Denim's ethos is to 'Make Blue and Think Green' in a bid to always put sustainability at the forefront of making denim fabric.



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Pioneer Denim Certificates:



pioneerdenim.com

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