



PIONEER DENIM

The world's largest LEED Platinum Certified Textile Mill

A COMPANY PROFILE



— MAKE BLUE, THINK GREEN —



Introducing Badsha Group of Industries:

Badsha Group of Industries began its journey in Bangladesh, 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 achieved both Gold and Silver National Export Trophies in Bangladesh for many consecutive years.

Badsha Group of Industries comprises of:

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



Introducing Pioneer Denim Limited:

Pioneer Denim Limited has been awarded as the world's largest Leed Platinum certified textile mill. Vertically integrated from fiber to fashion created under Badsha Group of Industries, situated in Habiganj, Bangladesh.

Pioneer Denim Limited is a denim composite vertically integrated with its state-of-the-art denim fabric to garment manufacturing facilities.

Pioneer Denim is able to assure high standards of quality right from fiber to fashion. The group's spinning division is the largest yarn producer in Bangladesh producing over 470 MT of yarn per day for knit and denim divisions, creating a strong presence in the fashion industry at the forefront of innovation.

Pioneer Denim has built a great R&D team, with international consultants, who create a 360° approach from innovating yarn to recycling to fabric to garment.

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 of land located in Habiganj, Bangladesh.
- 4.7 million sq-ft manufacturing fabric & garment facility combined.
- 78 million yards of fabric produced annually expanding to 100 million yards by 2027.
- Modern high-tech European, Japanese and American Machineries.
- The garment division facilitates cutting, sewing, washing for 40k pieces per day and is expected to reach up to 300k pieces per day by 2028

LEED Platinum Certificate requirements:



Pioneer Denim's garment division is also proposed as a LEED Platinum Certified Garment Unit.

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

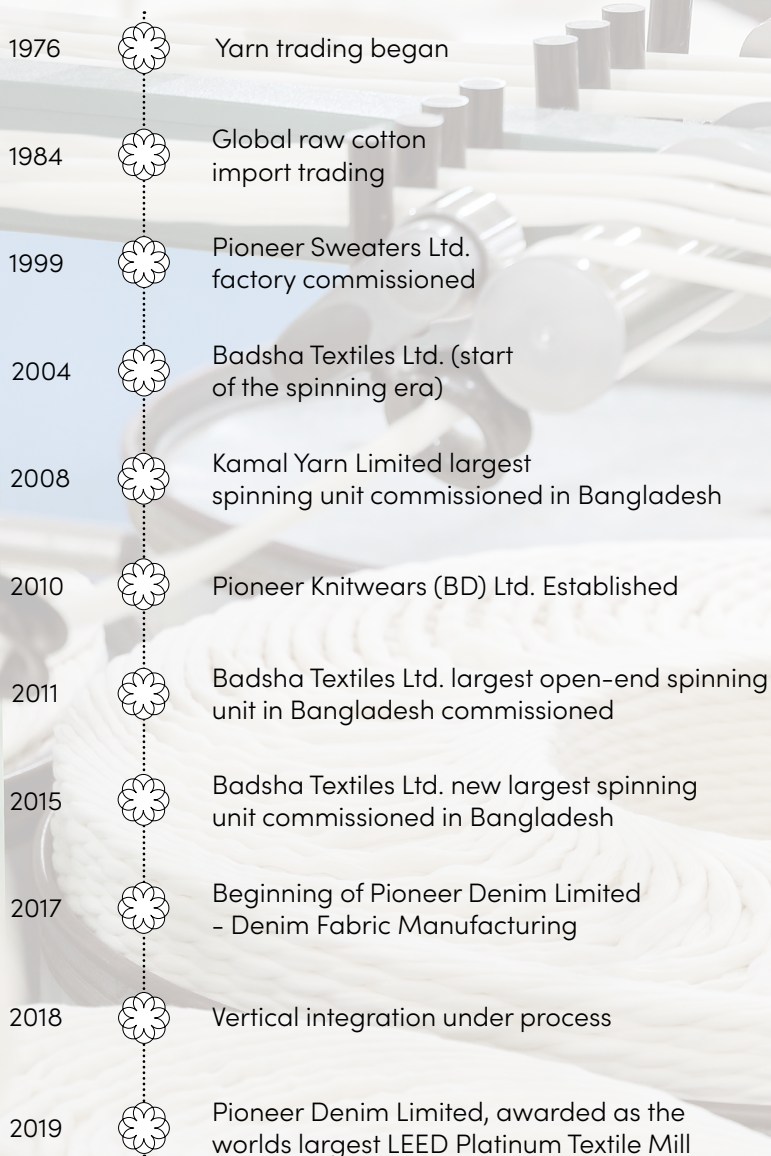
The Leadership in Energy and Environment Design (LEED), is a green building certification program that recognises the best in class, in strategies and practices across the globe. LEED promotes better buildings, places that complement the environment, enhances communities and places that give people better,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

The LEED Platinum certificate is based on a credit system, which earns points per category. Our Garment Division Pioneer Denim Limited (Garment Division) is a proposed LEED Platinum Certified Facility.

Pioneer Denim is one of the 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 Platinum LEED Certificate...'

Milestones of Badsha Group of Industries

- 
- 1976 Yarn trading began
- 1984 Global raw cotton import trading
- 1999 Pioneer Sweaters Ltd. factory commissioned
- 2004 Badsha Textiles Ltd. (start of the spinning era)
- 2008 Kamal Yarn Limited largest spinning unit commissioned in Bangladesh
- 2010 Pioneer Knitwears (BD) Ltd. Established
- 2011 Badsha Textiles Ltd. largest open-end spinning unit in Bangladesh commissioned
- 2015 Badsha Textiles Ltd. new largest spinning unit commissioned in Bangladesh
- 2017 Beginning of Pioneer Denim Limited - Denim Fabric Manufacturing
- 2018 Vertical integration under process
- 2019 Pioneer Denim Limited, awarded as the worlds largest LEED Platinum Textile Mill

2020



Pioneer Denim Limited achieved Cradle to Cradle (Gold) for producing azure denim fabrics



Pioneer Denim Limited fabric production increased to 78 million yards annually



Badsha Textiles pre/post consumer recycling unit introduced

2022



Kamal Yarn Limited extension commissioned

2023



Pioneer Denim Limited (Garment Division) factory commissioned

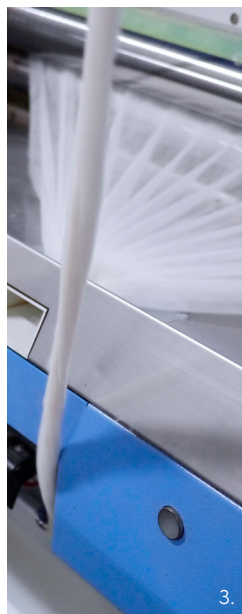
2024



Badsha Textiles largest special yarn blended unit factory commissioned

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



5.



7.



6.

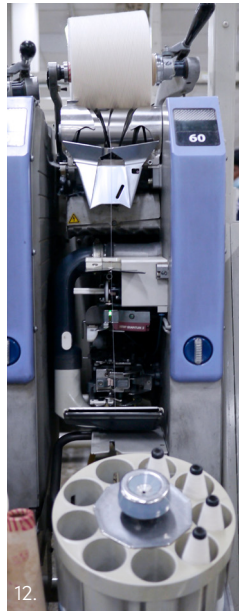
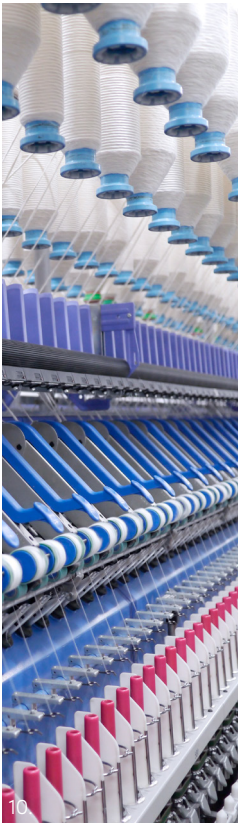


8.

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



9. Ring Spinning



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

Circular Economy Initiative In House Textile Recycling Facility

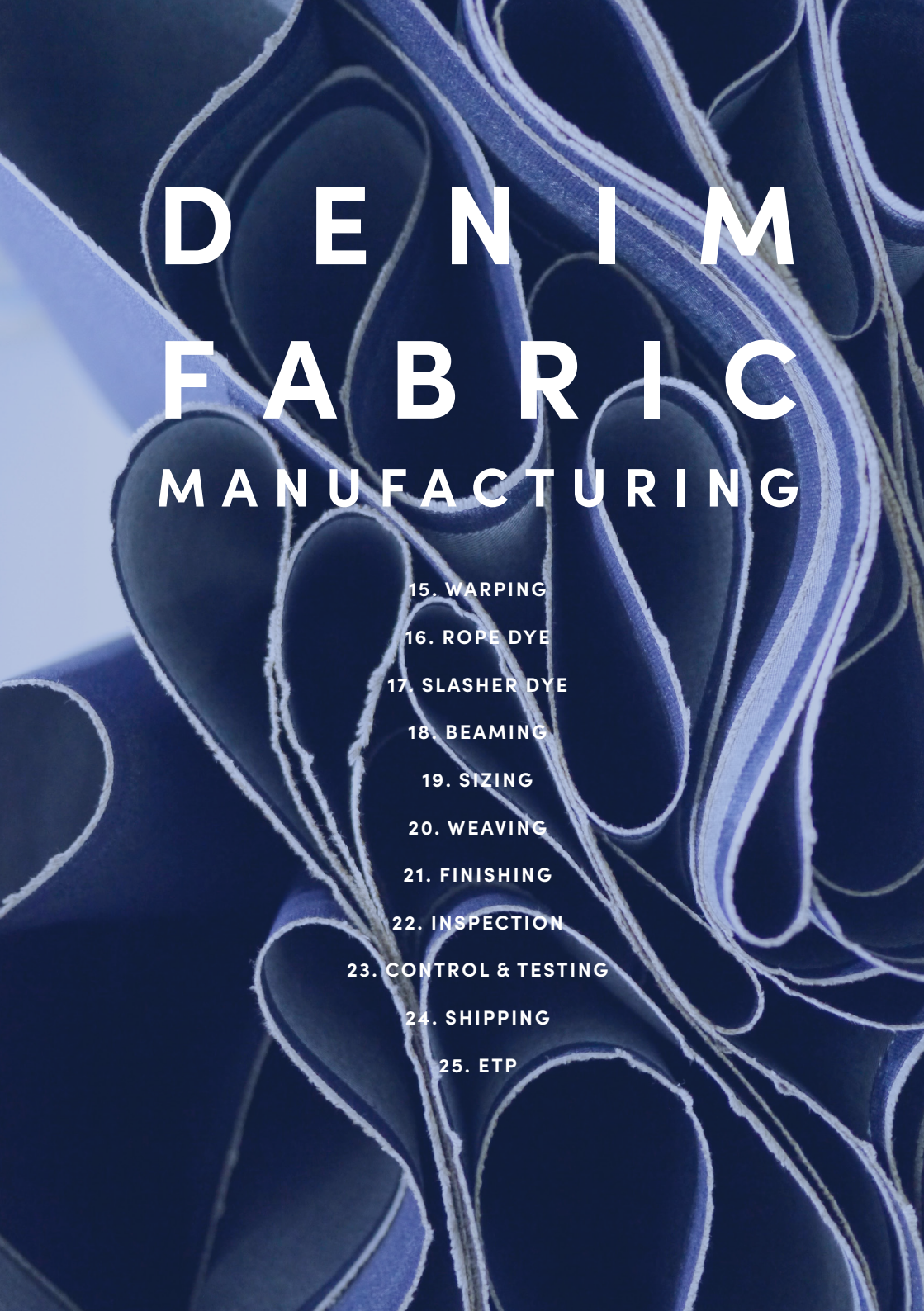


Recycling Facility:

- Sorting
- Cutting
- Shredding
- Bale Compressing
- Re-inserting fibers in spinning process



Recycled bales ready for integration in spinning process

The background of the entire page is a close-up, artistic photograph of several large rolls of denim fabric. The rolls are stacked and curved, creating a sense of depth and texture. The lighting is dramatic, with strong highlights on the edges of the fabric and deep shadows in the folds, emphasizing the rugged texture of the denim. The overall color palette is dominated by various shades of blue, from deep indigo to lighter, almost white highlights where the fabric catches the light.

DENIM FABRIC MANUFACTURING

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



15.



16



17.



18.

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

Product Range:

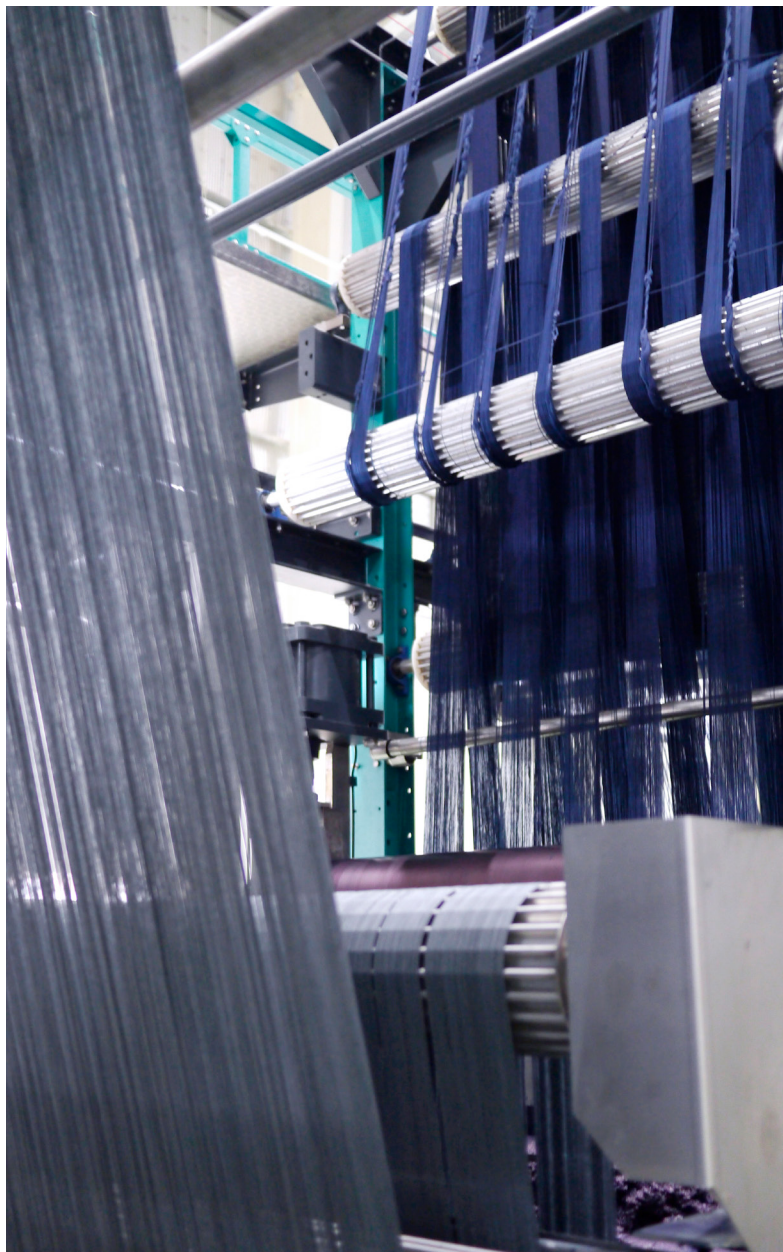
Fabric Division:

Pioneer Denim offers a wide range of high quality denim fabrics ranging from 2.5 oz to 22 oz in basic, cross hatch, stretch, super stretch, nappy, bull, crushed denim, knit denim, coloured 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.

State of the Art Facilities:

Fabric & Garmenting Centre:

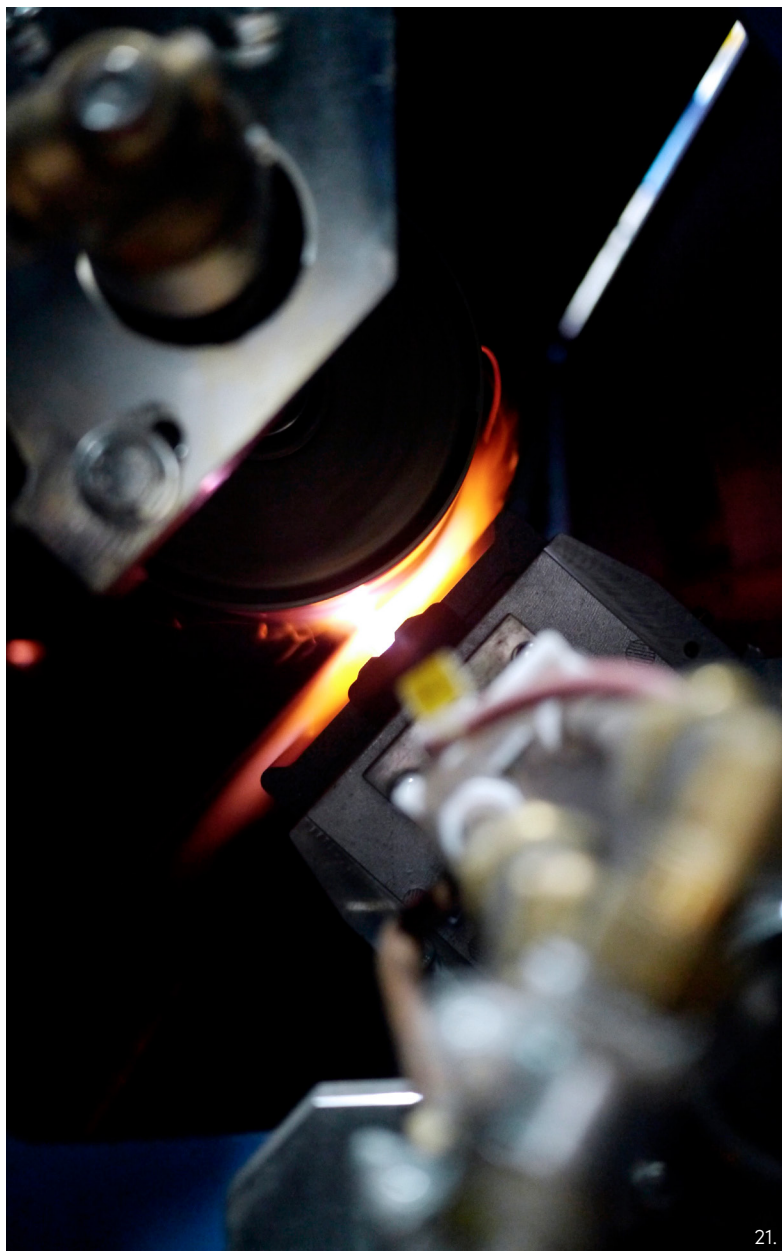
R&D is at the heart of Pioneer Denim. This is where ideas come to life! We have collaborated with chemical companies such as Dystar, SOKO, Clean Core, and many more to constantly innovate a better sustainable product. We have also collaborated with machinery companies such as Tonello and Jeanologia to bring newness into reality. To support this essential part of the process, Pioneer Denim invested in building a creative space for their R&D teams. The team focuses on new fabric innovations, as well as garment laundry washes and also building a separate sewing unit for R&D, so that new developments on fabrics, pattern making of garments washes and styles can all be made under one roof making Pioneer Denim's R&D team a leading force in the industry.



SLASHER DYE



19. Sizing, 20. Weaving



FINISHING - SINGEING PROCESS



21. Finishing, 22. Inspection



23. Shipping, 24. Effluent Treatment Plant (ETP)



PIONEER DENIM LIMITED (GARMENT DIVISION)

26. R&D SAMPLING

27. CUTTING

28. STITCHING

29. WASHING (WET & DRY)
SUSTAINABLE FINISHING

Pioneer Denim Limited – (Garment Division)

Pioneer Denim Limited is a pioneering name in the textile industry, specializing in the production of premium denim products that merge the realms of fashion and sustainability. As a vertical denim setup, we oversee every aspect of the denim manufacturing process, from raw materials to finished fashion pieces.

Our commitment to delivering top-quality products, coupled with a strong focus on environmental and social responsibility, sets us apart as a leader in the industry. Pioneer Denim Limited is proud to be a concern of the esteemed Badsha Group of Industries, renowned for its excellence and innovation.

Product Catalogue:

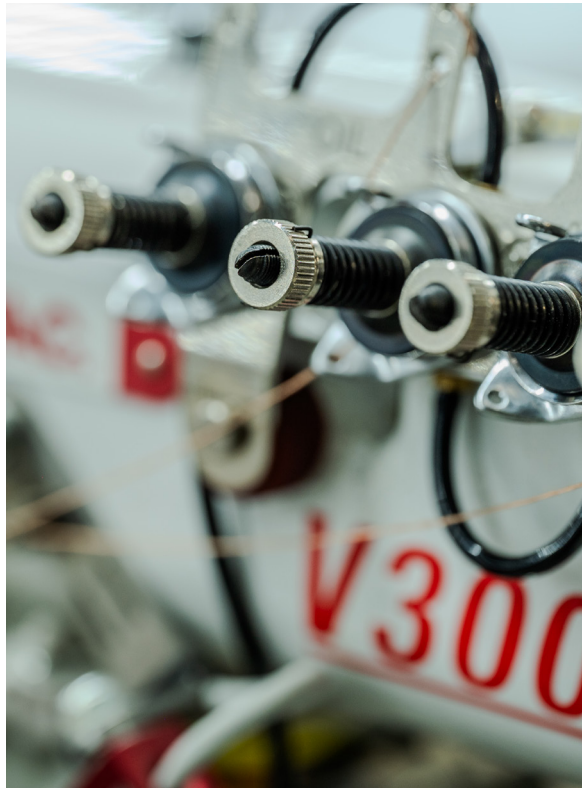
- 5 pocket jeans
- Trousers
- Jackets
- Skirts
- Dungarees
- Shorts
- Shirts
- Ladies Dresses
- Cargo Pants
- Chinos



LEATHER PATCH ATTACHMENT MACHINE

Automated Sewing Unit:

Pioneer Denim Limited proudly presents its Automated Sewing Unit, revolutionizing denim manufacturing with advanced machines. Our fully automated sewing line guarantees quality and precision in every process. We use Vibemac automated machines for hemming, intricate designs, pocket setting, and loop attachment. Using top of the range machines which add style and personalized touches. With our state-of-the-art facility, we create denim products that reflect expertise, innovation and individuality.





Sewing Line, Fabric Cutting, Back Pocket Setter



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Embroidery Machine, Hemming Machine, Bar Tack Machine, Waistband Machine

Washing Unit:

Our team at the Washing Unit is committed to driving innovation through advanced in-house wet and dry process machines. We work closely with leading companies that produce chemicals and machinery to stay at the forefront of the latest technologies. Our state-of-the-art setup includes cutting-edge equipment from renowned brands such as Tonello and JEANOLOGIA, enabling us to produce up to 40k pieces per day. We plan to increase this capacity to 300k pieces per day by 2028.

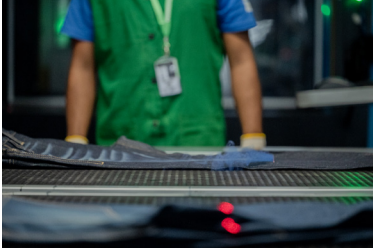


Jeanologia Handman



Jeanologia Handman, Tonello Machines, TGI Machine, Jeanologia Laser Machines

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Dry Processing



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Inspection & Packing



State of The Art Lab:

Pioneer Denim is well equipped with the best technologically advanced procedures of physical testing methods, such as: 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.

Our state of the art laboratory is accredited by many well known brands across the world, such as, Levi's, Kontoor, C&A, and many more.

Online Quality Measuring System Fabric Division

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

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

Quality Control Garment Division:

Pioneer Denim (Garment Division) follows strict procedures to control quality from sampling to bulk as an individual separate entity within the facility

Pioneer Denim follows a strict DHU defect 100 unit in every line within the facility. Moving further to enhance quality adapting to TLS system maintaining quality every step of the process pushing PDL's high quality output even further creating a higher benchmark within the sector.

Pioneer Denim (Garment Division) further increases its benchmark by adapting to the McKinsey 7s method within the garment manufacturing process to introduce and enhance quality to the highest standard.

Raw Materials:

Sourcing Raw Materials:

PioneerDenim is supported by its high quality integrated spinning sector, specialised in yarn manufacturing in Bangladesh. The vertical integration helps us to achieve the highest quality of denim production in the shortest lead time.

PioneerDenim also work with world leading sustainable fibers such as organic cotton, BCI Cotton, Lenzing CIRCULOSE® by Renewcel and many other sustainable fibers. Innovation is the single key driver towards our vertically integrated success story

Pioneer Denim strives to use the highest quality, eco-friendly dyes and chemicals in their manufacturing process.

Recycling:

Producing 20 MT/day of raw materials pre & post consumer waste fiber to re inject back into the economy from yarn to fabric to garment



Environmental Responsibility:

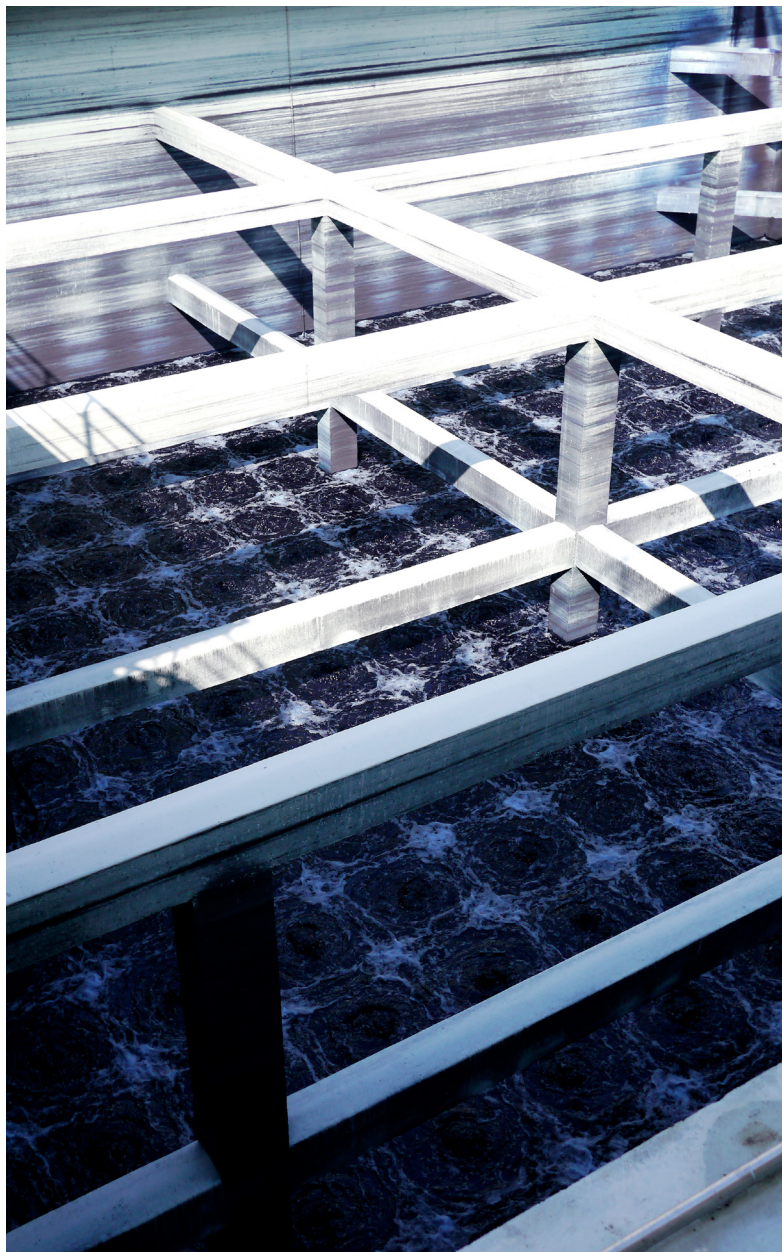
Pioneer Denim strive to minimise the environmental impact created from the production of denim, providing sustainable denim has been at the forefront and at the core of Pioneer Denim's goals and priorities since the beginning.

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/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.

HIGG Index: Pioneer Denim has achieved 72% in FEM and 87% in SLCP and is also targeting continuous improvements in these scores to become the highest scorer in the industry for producing denim fabrics.

Seeing the future from now is the key to responsibly producing denim in the most sustainable way is what we constantly work towards.



EFFLUENT TREATMENT PLANT (ETP)



Sustainability Commitment:

Pioneer Denim Limited takes its commitment to sustainability seriously. We implement Eco-friendly practices throughout our operations, including:

Eco-Friendly Denim Fabric:

We specialize in producing denim fabric using organic cotton, recycled fibers, and innovative dyeing processes that significantly reduce water energy and chemical usage.

Ethical Manufacturing:

Our vertically integrated setup ensures complete control over the production process, allowing us to implement fair labor practices, safe working conditions, and employee welfare programs.

Water and Energy Conservation:

We have invested in advanced technologies that minimize water consumption and energy usage throughout the denim manufacturing process.

Circular Economy Initiatives:

Pioneer Denim actively participates in circular economy initiatives by promoting garment recycling and upcycling, thus reducing textile waste.

Saving Water, Energy and Chemical:

Saving Water Consumption

- 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 50% of reusable water at the facility.

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 save 18% (3240 kW) of the total power requirement at the facility.

Recovering Caustic:

- State of the art caustic recovery plant to reuse back into production





SOLAR PANELS OVERLOOKING PIONEER DENIM PLANT

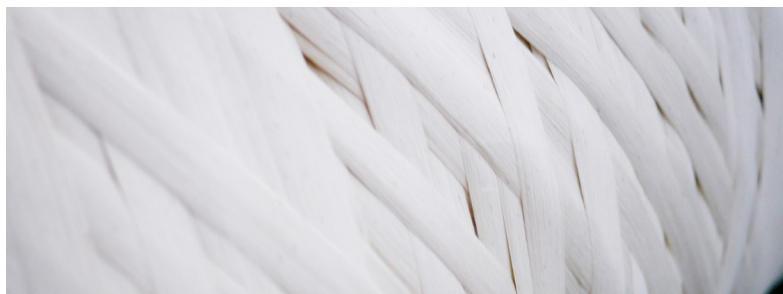
CSR Activities & Facilities:

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 donate to charitable causes located close to the manufacturing plant, including schools, colleges and health care organisations for developing educational and healthy lifestyles for future generations.



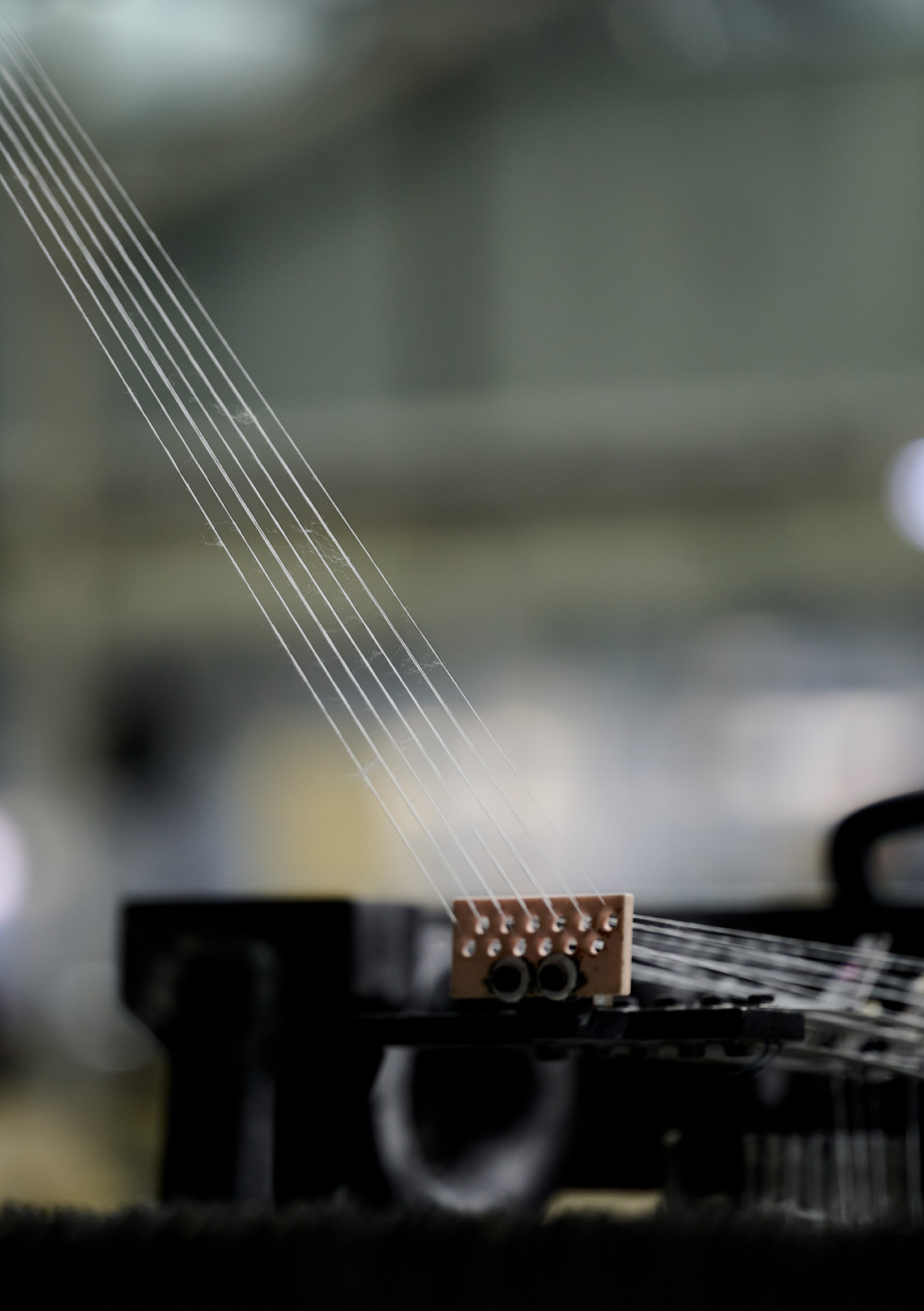


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Certifications







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