



SAPPHIRE TEXTILE MILLS

PORTFOLIO



EXPORTING TO
MORE THAN **35**
DESTINATIONS



OVER
30,000
EMPLOYEES



ANNUAL
TURNOVER
USD 1.02 B



ASSET
BASE
USD 1.5 B

OUR GROUP



SAPPHIRE TEXTILES



SAPPHIRE FIBERS



DIAMOND FABRICS



SAPPHIRE FINISHING



SAPPHIRE ENERGY



SAPPHIRE DAIRIES

TIMELINE

- 1969
Sapphire Textile Mills
- 1979
Sapphire Fibers Limited
- 1988
Diamond Fabrics Limited
- 1989
Amer Cotton Mills
- 1992
Reliance Cotton Spinning Mills
- 1995
Sapphire Power Generation
- 2002
Sapphire Home Textiles
- 2003
Sapphire Finishing Mills
- 2008
Sapphire Dairies
- 2010
Sapphire Electric Company
- 2014
Sapphire Retail
- 2015
Sapphire Wind Power Ltd
- 2018
Tricon Boston Consulting Corp.

SPINNING

- Pioneers in Spinning with the widest range on Ring and latest MVS technology
- Capability of producing and blending more than 35 different fibers
- Monthly production capacity of 7.5 million kgs
- Plant using spectroscopic technology for contamination control; removing 95% foreign particles at start of production resulting in cleaner cotton and less wastage
- ECOrized system of airflow in production units providing 30% energy saving
- Xorella machine installed for vacuum conditioning – 25% energy saving with 1.5% increase in moisture regain of yarn resulting in increased strength
- Fully automated plants eliminating human handling for high efficiencies and optimum costs



WEAVING

- 440 looms producing 7.5 million meters monthly fabric
- Latest high speed looms with over 1100 RPMs
- Loom types include Tappet, Dobby and Jacquards
- Automatic Drawing-in for maximum production with increased efficiencies
- 4 color weft insertion with maximum 10-14 colors in warp depending upon weave and design
- Beam Stacker optimizing space along with easy retrieval and elimination of handling errors
- Conveyor belt for transportation of fabric roles decreasing handling and costs



PROCESSING

- Equipped with latest European machinery; plant can process 5.0 million meters
- Automatic FIMAT color kitchen providing accurate recipes minimizing shade issues in printing and reduce wastages by 5%
- Automatic chemical loading system – ELIAR; uses revolutionary multiline distribution system which decreases wastages by 7%
- Automatic Dyestuff storage and recipe making system for consistent colors of dyeing
- Addition of raising, peaching, another 16 color rotary printing machine along with several stentors

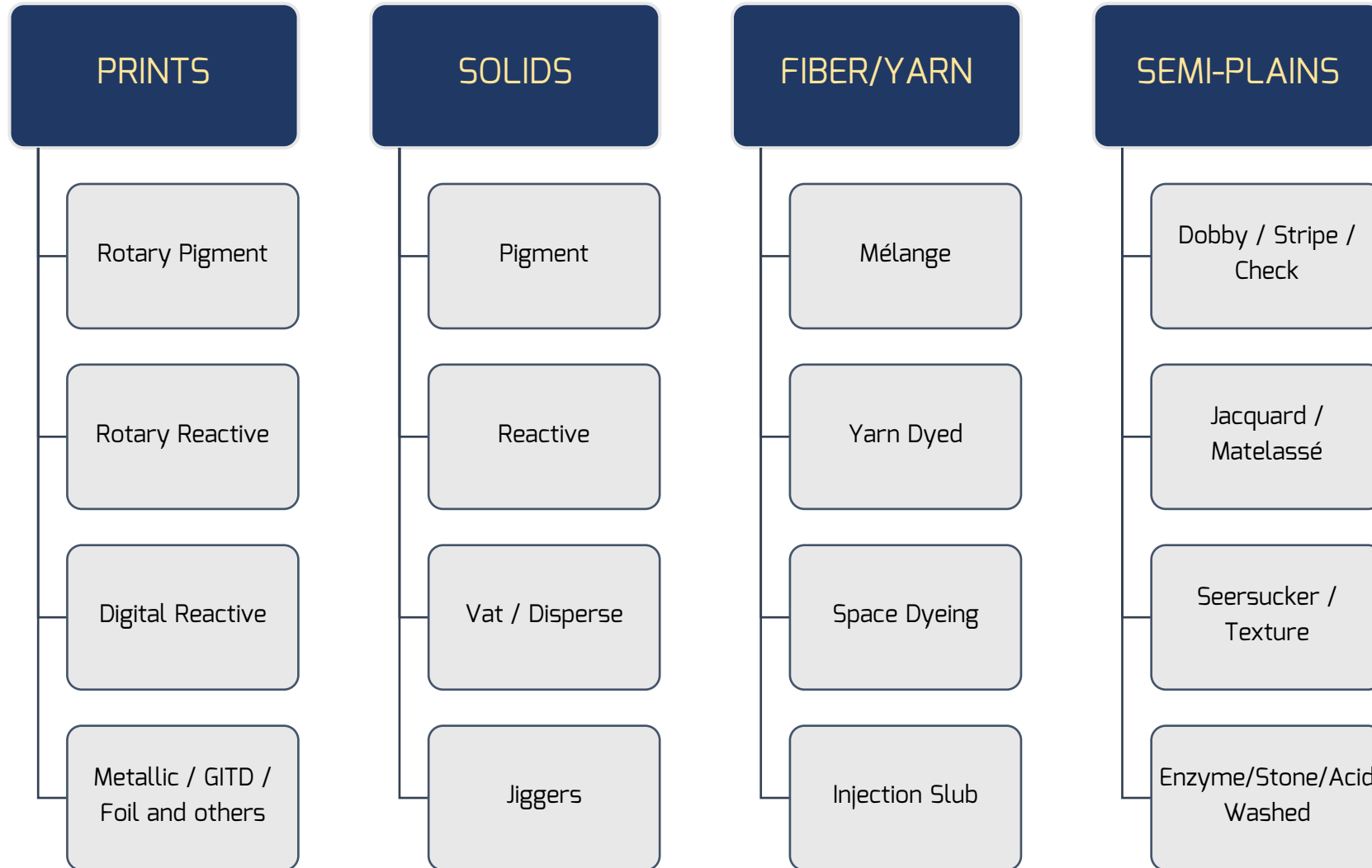


STITCHING

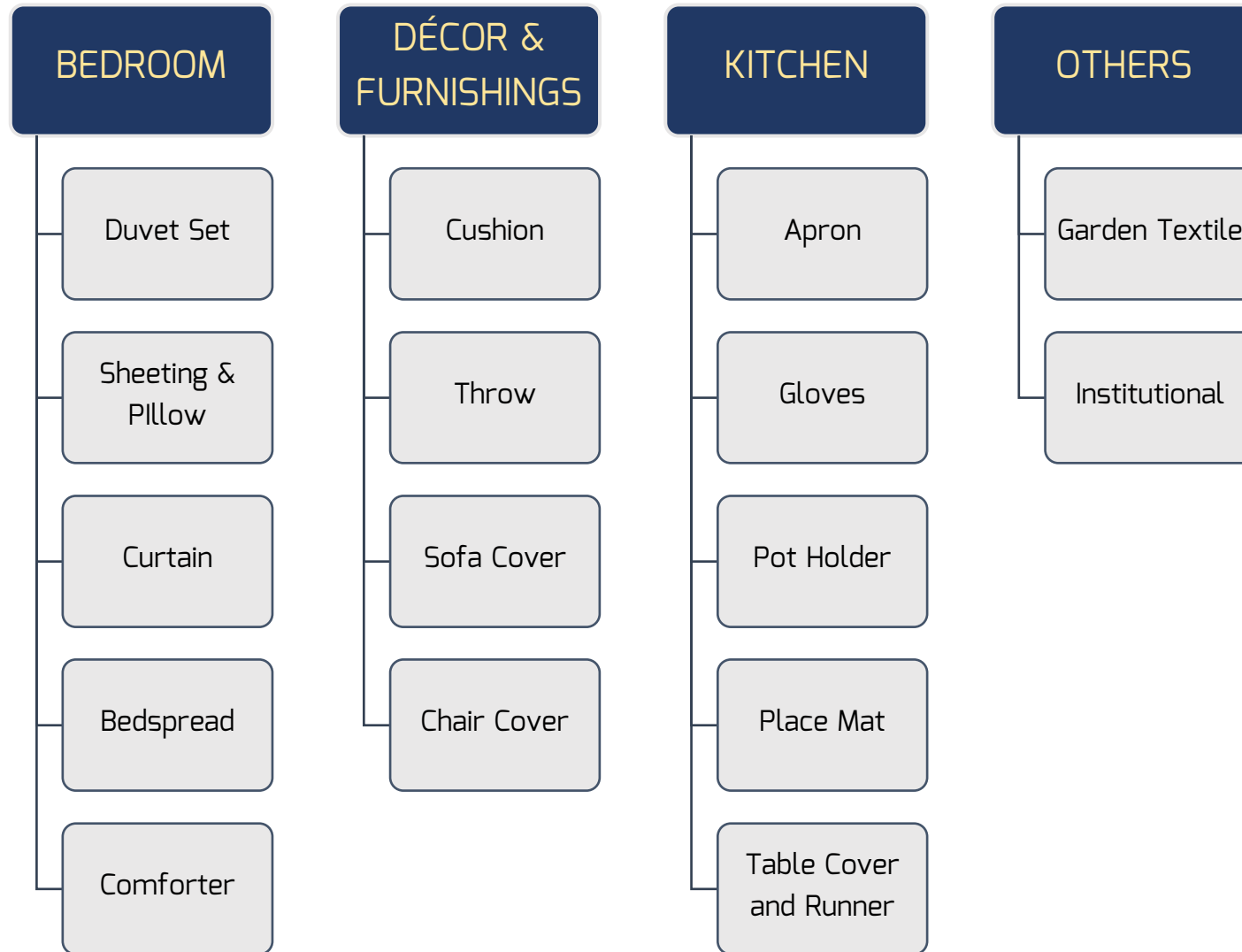
- Capable of converting 4.5 million meters into stitched products
- 100% energy (500KW) through Solar Panels
- Switch track system for cost and production optimization
- Customer wise dedicated floors for controlled quality & production
- In-house washing setup for garment washed articles
- In-house single, multi-needle and embroidery quilting setup



FABRIC RANGE



MADE-UP RANGE



YARN DYEING & MELANGE YARNS

- One of the few market suppliers capable of producing mélangé and dyed yarns
- German brand THIES machinery of 2018 model
- 8 yarn dyeing vessels having minimum load of 10kg and maximum load of 1000kg
- Current capacity of 225 tons
- Capability of dyeing Cotton in Reactive which is washable up to 60 degrees and VAT which is washable up to 95 degrees and Polyester in Disperse dyes



PRE-POST CONSUMER WASTE RECYCLING

- Eco-friendly plant to recycle pre and post-consumer waste, regenerate fibers, and give them a new life
- Mechanical process of recycling with average capacity of **15 tons per day**
- Source of raw material: Post-Consumer (Bedsheets, Duvet and Table Covers, etc. - 100% Cotton) and Pre-Consumer (value chain wastage, scissor cuts, cut-pieces, etc.)
- H&M nominated supplier in Pakistan for Pre & Post Consumer Recycling
- Major usage in the fabric bags for Sapphire retail shops
 - Little by Little Campaign
 - 13,000 kgs of waste fabric to date utilized
 - Replaced 2.5 million plastic bags

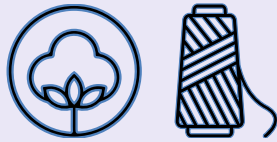


SUSTAINABILITY AT SAPPHIRE

Our vision for Planet Earth's future



PILLARS OF SUSTAINABILITY



Materials

Sustainable sourcing

Traceability

Alternate fiber
R & D



Process

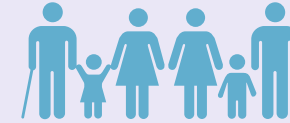
Decarbonization

Plantation

Renewable Energy

Water conservation

Resource Efficiency



People

Internal
Well-being

External / CSR

Data Collection / Digitization | Partnerships | Communications



MATERIAL

RAW MATERIALS: Sustainable Sourcing

At Sapphire, we embrace a comprehensive range of premium sustainable materials sourced globally.



Organic Cotton



Recycled Cotton



Recycled Polyester



Fairtrade Cotton



BCI Cotton



Egyptian Cotton



CMiA
Cotton



USA
Cotton



Supima
Cotton



Primark
Cotton



bioRe® Sustainable
Cotton



Lenzing
(Tencel/Lyocell)

Our commitment to utilizing these diverse eco-friendly resources underscores our dedication to sustainability and responsible sourcing practices.

Complying to leading Environmental & Ethical/Social certifications

ENVIRONMENTAL



SOCIAL/ETHICAL



SUSTAINABILITY MEETS TRACEABILITY

At Sapphire we believe that Traceability in supply chain is at the core of sustainability

Digital Traceability includes






















- Supply chain Mapping
- Product Traceability


FibreTrace»

Sapphire Textile Mills Limited, Good Earth Cotton® and FibreTrace® partner to work towards zero carbon impact and transparency for the textile industry. Sapphire will also work with FibreTrace® to launch traceability across several other natural, man-made and synthetic fibres, including but not limited to; organic cotton, BCI cotton and recycled polyester.

Haelixa

Sapphire Textile Mills have partnered with Paul Reinhart to buy traceable organic cotton incorporated with Haelixa Technology.

		PLANT-BASED NATURAL FIBRES				MAN-MADE CELLULOSIC FIBRES		SYNTHETICS			
TRACER TECHNOLOGY		Cotton	Recycled Cotton	Hemp/ Linen	Recycled Hemp/ Linen	MMCF	Recycled MMCF	Polyester	Recycled Polyester	Nylon	Recycled Nylon
	Haelixa										
	Fibretrace										



No Claimed Evidence

Technically Feasible

Operationally Feasible

SAPPHIRE REVOLUTIONIZING ORGANIC FARMING IN PAKISTAN



Sapphire signed an MoU with WWF to produce organic cotton in KPK and Baluchistan for five years over 7,000 acres. This is part of Sapphire's vision to adopt and push regenerative and organic farming in Pakistan in line with SDG 13 Climate Action.

ORGANIC COTTON CULTIVATION

A step toward Social, Environmental, and Economic Sustainability in cotton farming communities of Baluchistan

PROJECT OBJECTIVES & TARGETS

- a) Building up an enabling environment of organic cotton cultivation within the selected project site by engaging all stakeholders.
- b) Enhance capacity building of all stakeholders regarding organic standards, procedures, and certification
- c) Improvement in the social, financial, and environmental profile of the project site.
- d) Women Empowerment.
- e) Soil & Water Conservation Structures



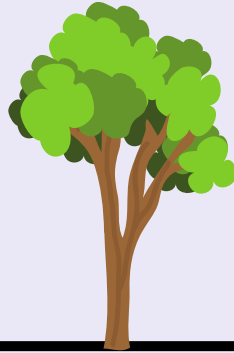
PROCESS

DECARBONIZATION

CARBON SEQUESTRATIONS

10,000
Trees Planted

New initiative to scientifically offset emissions through tree plantation



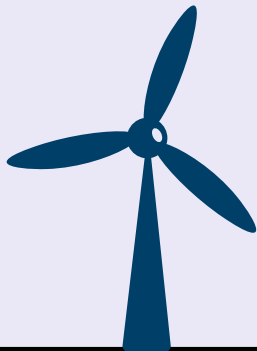
SOLAR ENERGY



11.5MW

- Producing 20% of our total consumption
- Approx. 9000tons of CO2 emissions reduced

WIND POWER



200MW

STML's subsidiaries SWPCL & TBCL have built wind farms in Jhampir

AT SOURCE REDUCTION

- Scrubbers & multicyclones for emissions control
- Heat recovery boilers
- Maintains optimal energy efficiency



ENERGY CONSERVATION

TARGETS 2023

Eliminating Coal from Supply chain by 80% and produce thermal energy through renewable sources like BIOMASS.

GAS BOILER



Remove up-to 50% coal for steam production in processing.

BIOMASS BOILER



Included rice husk, corn cob, wood residue, bagasse.

SOLAR POWER



40% of Weaving & Processing
Up-to 70% of Home Textiles

WASTE HEAT RECOVERY



6.2MT approx.

**COAL saved
(Jan - Jun
2023)**

improvement of thermal efficiency,
energy saving, and environmental
protection

7.3MT approx.

**Carbon Emissions
Saved
(Jan - Jun 2023)**

STEAM CONDENSATE RECOVERY



630T

**COAL saved
(Jan - Jun
2023)**

Sizing (70%) and Processing &
Dyeing (55%) of Steam Condensate

762T

**Carbon Emissions
Saved
(Jan - Jun 2023)**

WATER CONSERVATION STRATEGIES

3R's - REDUCE > REUSE > RECYCLE



60,064 tons

Water is being reused through condensate recovery (Jan - Jun 2023)



100,794 tons

30% of Treated Wastewater is being Recycled and Reused (Jan - Jun 2023)



7,916 tons

Non-Contact Cooling water is being collected and reused in processing (Jan - Jun 2023)

Wastewater Treatment

100% of the facility wastewater is being treated and 30% of the treated wastewater is being recycled by RO and reused in the production process.

After treatment and meeting all applicable compliance criteria, the treated water is being used on agricultural land for the cultivation of crops.

467,000 tons

wastewater treated [Jan - Jul 2023]

ZDHC

Foundational Level Compliant

RECYCLING AND CIRCULARITY

RESTORE
BY SAPPHIRE

1500 tonnes
approx.

Recycled cotton produced
every year



LITTLE BY LITTLE



seed infused shopping made up

from 100%
recycled cotton

UNIFI®

FABRIC FROM PET

Over

117 M

PET bottles recycled
into polyester

REPREVE®

CHEMICAL RECYCLING

A dedicated Task Force is undertaking collaboration work with the technology providers in the space of Recycling technology as well as Textile Collector & Sorter Organizations.

A roadmap for milestones with timelines is formulated as a navigator to scale the progress & fast track the integration of Circular Economy principles into our value chain.



PEOPLE

“We give ownership to our PEOPLE;
So it’s the people who make SAPPHIRE, What it is.”

Mr. Nadeem Abdullah
CEO, Sapphire Textile Mills Limited

PARTNERSHIPS

2023

GIZ-Pakistan

Part of SUSTAINABLE PAKISTAN PROJECT, improving our skill sets to meet latest global compliances of sustainability and innovation.



2023

WE-PROGRAM

Joined WE Program Global to enhance our grievance and complaint mechanism systems at sewing unit 7.



2020

NET Zero Pakistan

We reaffirm our commitment to a climate positive world as a signatory to the Net Zero Coalition.



2020

WWF CORPORATE MEMBERSHIP

Annually a tree plantation activity is conducted under WWF Pakistan's Corporate Membership Program to protect nature and conserve biodiversity.



PROJECTS DETAILS (INTERNAL)



Capacity building of teams in Research & Innovation

Arranging workshops and trainings for relevant teams for latest trends in textile innovation and sustainability.



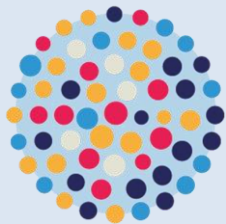
Community service initiatives / volunteering

- Storytelling at Sapphire schools
- Kitchen gardening at factories
- Launching Mahol dost BINS initiative



Partnerships:

Arranging events for factories and head office quarterly on priority SDGs (6-17) with important partners.



Becoming future ready for latest European compliances by participating in global forums on Textile and innovation.



PROJECTS DETAILS (EXTERNALS)



Sapphire Scholars

Follow up and way forward for Sapphire scholars at LUMS, NUST, FAST and other institutions.



Uplifting cotton communities

Joining hands with BCI and their 2030 goal of improving livelihoods of cotton farmers/pickers.



Exploring possibilities and launching social entrepreneurship initiative through engaging women artisans and promoting cultural heritage.



Block Plantations

Identifying block plantation sites in our business areas for at least 2 acres mini forests helping in off-setting our carbon footprint



Workforce from Communities

- Partnering with organizations to plan and implement projects around factories for trained labor and workforce.



PARTNERSHIPS

2020

SBTI BUSINESS
AMBITION

We are part of the initiative to reach net-zero by 2050 for the best chance of avoiding the worst impacts of climate change.



2020

NET Zero Pakistan

We reaffirm our commitment to a climate positive world as a signatory to the Net Zero Coalition.



2020

UNGC
SDGs Reporting

We are signatory of reporting our progress on SDGs achievement to UNGC.



CONCLUSIONS

- Sapphire Group among the top three in Textiles sector
- Sapphire being one of the few vertical setups in the region having mélange and yarn dyeing expertise
- Sapphire can serve as one stop shop for its customers due to its diversified fabric and product range
- Continuous upgradation/modernization of machinery
- Increasing available capacities for right partners

THANK YOU!