

Super Textile Committed To Environmentally Friendly and Sustainable Production in Taiwan

As a country that cares about sustainable development, Taiwan's textile industry attaches great importance to introducing advanced technology and using recycled materials to produce environmentally friendly products.

Super Textile Corp., a leading fabric suppliers, has long developed and continue to create fabrics with recycled components that reduce the impact of waste on the environment.

While many local manufacturers have expanded operations in China and Southeast Asia over the past two decades, Super Textile decided to “keep their roots in Taiwan,” though.

“Our main axes of management are product differentiation, customized service, quality control and sustainable environmental protection,” Sally Lo, vice president of Super Textile, explains.

In terms of sustainable product development, the Taipei-based company has cooperated with industry and academia since 1997 to develop recycled fabrics from PET bottles.

The company has been committed to environmental protection and waste reduction for a long time and has received the National Enterprise Environmental Protection Award and the Industrial Waste Reduction Award.

Since 2019, Super Textile has shifted its focus from the field of industrial waste reduction and entered the field of agricultural waste reduction. It has successfully developed Pineapple Leaf Fiber Fabric too.



Sally Lo (羅曉寧) is vice president of Super Textile Corp.

Creating Innovative Strategies To Reduce Carbon Footprint

Facing the challenges of global warming, the need for efficient processing of raw materials, clean energy restrictions, and environmental pollution, Super Textile has taken a leading position in the sustainable development of textiles.

Knowing that the Taiwanese textile industry can no longer compete in the labor-intensive segment, the Taiwanese company is pushing its innovation forward by promoting sustainable and socially responsible manufacturing.

Since May 2021, Super Textile has relied on the solar roof of its second plant for its production (and sold the extra kilowatts back to Taipower, the state-owned utility company). The annual electricity generation is about 235,000 kilowatt-hours for a carbon reduction of about 130 tons.

This is equivalent to the carbon emissions of 2.05 million PET bottles, remarks Lo. “We expect to continue to build solar power at our Yangmei plant so that we can reduce the carbon footprint of our products,” she adds.

Such initiative aligns with far-sighted government policies that have aimed to shift production from labor-intensive processes to withstand competition from developing countries.

From 2000 to 2004, Super Textile also built a water harvesting facility to reuse rainwater for sanitation, firefighting, and irrigation. The current water reserve of 218.4 tons is good news for the greenery around the factory, which occupies around 30 percent of the production area.

The company’s Global Recycle Standard (GRS), ISO 14000, 18000 and 9001, as well as and OEKO-TEX certifications are also crucial for international brands that value product authenticity and safety. “Through these certifications, brands hope to buy good products from responsible companies,” the vice president adds.

To this end, Super Textile will introduce a product carbon footprint inventory in 2022 to understand the carbon emissions produced directly or indirectly during the production cycle of its fabrics.

By making great strides in incorporating sustainability principles into the textile value chain, Super Textile aims to become a world leader in textile innovation, sustainable development and continuous improvement of functional textiles.

Such sustainable textile supply chain development aligns with expectations from many major brands looking to improve their global environmental footprint, starting from the fibers they choose to spin, the fabric preparation chemistry they use for coating and finishing, to the printing equipment and ink formulations they use to print

As an industry leader, Super Textile believes in adopting sustainable manufacturing practices that are more ethical and ultimately environmental and sustainable.



The Pineapple Leaf Fiber Fabric comes in a wide range of natural colors. It is a lightweight, easy-to-care-for textile fabric with an elegant appearance similar to linen.

Reducing Waste Through Innovative Manufacturing Processes

After more than 60 years of development, Taiwan's textile industry has for sure evolved from a mass-produced textile supplier to a textile innovator with a complete yet integrated value chain.

During Taiwan's extraordinary economic growth in the 1950s-1990s, the textile industry was one of the three most important industries contributing to Taiwan's phenomenal economic growth.

The textile sector remains one of Taiwan's strategically important export sectors with a complete and integrated production chain, ranging from fibers, yarns, dyeing and finishing to clothing and accessories.

Relying on its rich production experience, Super Textile has worked with local farmers to create a pineapple fiber made from the leaves of pineapple plants. By combining the fiber with polyester, the company has developed a lightweight, easy-to-care-for textile fabric that has an elegant appearance similar to linen.

"The pineapple is one of the most widely planted crops globally," stresses Lo. "In the past, the leaves were treated as waste and buried directly in the fields, which easily caused pollution and impacted the quality of subsequent fruit cultivation."

"This is a financial burden for the farmers who pay up to NT\$40,000 per hectare to dispose of agricultural waste," she notes. "After research, we observed that the pineapple leaf fiber is similar to hemp, making it suitable for textile products."

Turning to the technology of producing innovative and eco-friendly fabrics, Super Textile is constantly striving to reduce waste through its manufacturing process.

“We are also known internationally for our yarns made from recycled PET bottles and fabrics with antibacterial and deodorizing properties in recent years,” says Lo.

To remain competitive, Super Textile is committed to continuous improvement and is therefore constantly looking for innovative solutions to meet the changing needs and standards of the industry.

From petrochemical and natural raw materials to clothing and various other end-use products for industrial and domestic applications, the range of products available makes Super Textile unique among the Taiwanese textile industry’s global competition and supply chain.

Using Limitless Possibilities of Green Textiles

The goal of incorporating sustainability into the textile industry is to create thriving ecosystems and alliances through adding value to local products and products, reducing waste, and reducing the environmental damage caused by production and consumption.

With its spirit of social responsibility, Super Textile is at the forefront of sustainable fabric production and awakens the public to the limitless possibilities of green textiles.

SEO Keywords

Taiwan, textile industry, supply chain, recycled material, textile manufacturing, environmental footprint, sustainable textile production, eco-friendly textile, circular economy, sustainable textiles, sustainability, textile innovation