



PINEAPPLE LEAVES FIBER

LOW CARBON TEXTILE SOLUTION

農廢再生 低碳紡織

We utilize recycled, low carbon emission Pineapple Leaves Fiber (PALF) and implement a standardized recycling system from farm to products, ensuring meticulous control and evaluation at every stage.

**WE CARE ABOUT
PEOPLE
AND
THE PLANET**

Brand Story

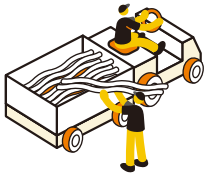
品牌故事

The warmest call from the land introduces the agricultural cycle into the textile cycle to create low-carbon natural fibers that belong to the land cycle.

PALF believes that global biomass materials can eventually find a suitable recycling process, integrate their influence on the natural environment, textile industry and society, and create beautiful new recycling values.

來自土地最有溫度的呼喚，將農業循環導入到紡織循環，創造出屬於土地循環再生的低碳天然纖維。

PALF 相信全球生質材料最終可以找到合適的循環過程，融合自然環境，紡織專業與社會影響力，創造美好的循環新價值。



Mission

品牌使命

Provide customers with solutions for the application of natural and sustainable materials through professional textile production and design.

透過紡織專業生產與設計，給予客戶天然永續材料應用的解決方案

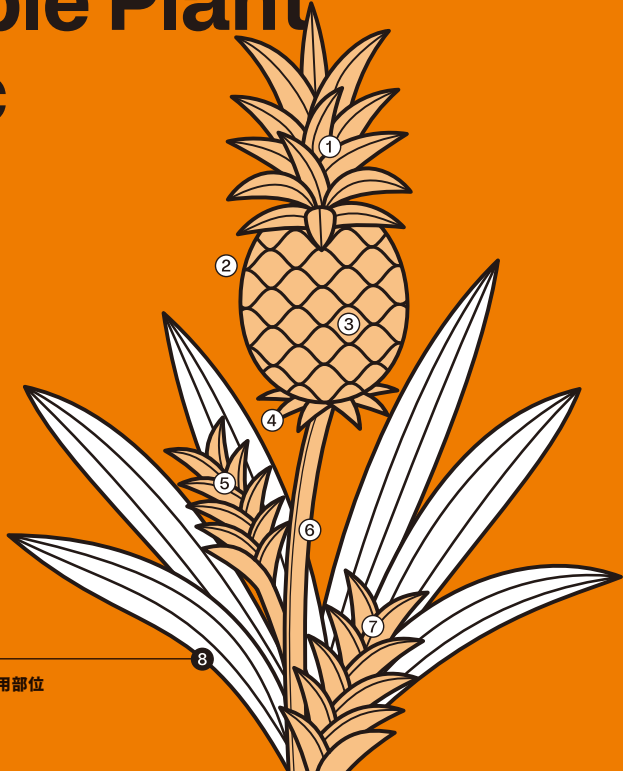


Pineapple Plant Graphic

鳳梨構造圖

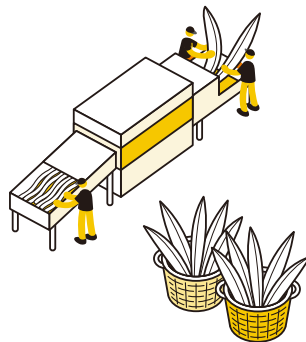
- ① Crown 冠芽
- ② Multiple fruit 果實
- ③ Flower 果目／花
- ④ Slip 裔芽
- ⑤ Arial sucker 吸芽
- ⑥ Stem 果梗／果柄(莖)
- ⑦ Ground sucker 塊莖芽
- ⑧ Pineapple leaf 鳳梨葉

※Parts used by PALF 鳳梨纖維使用部位



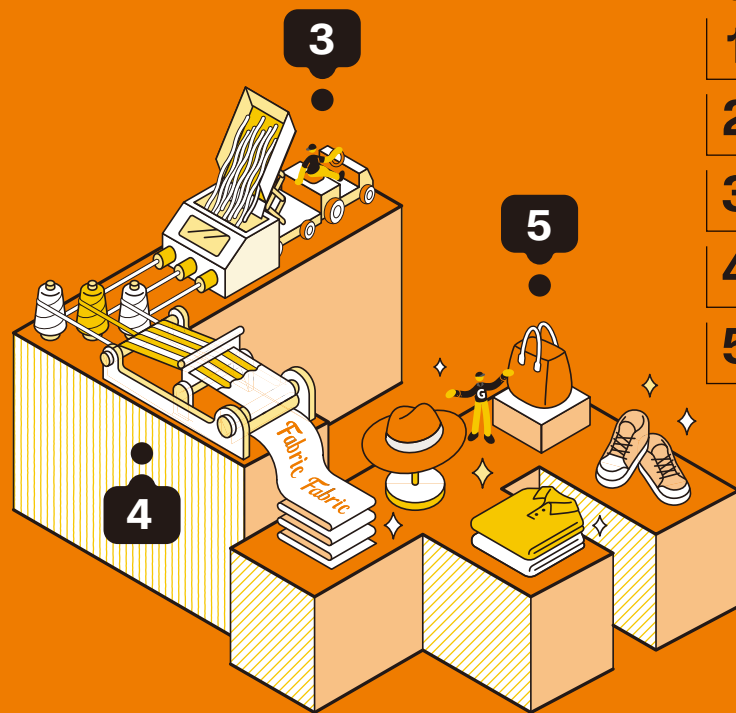
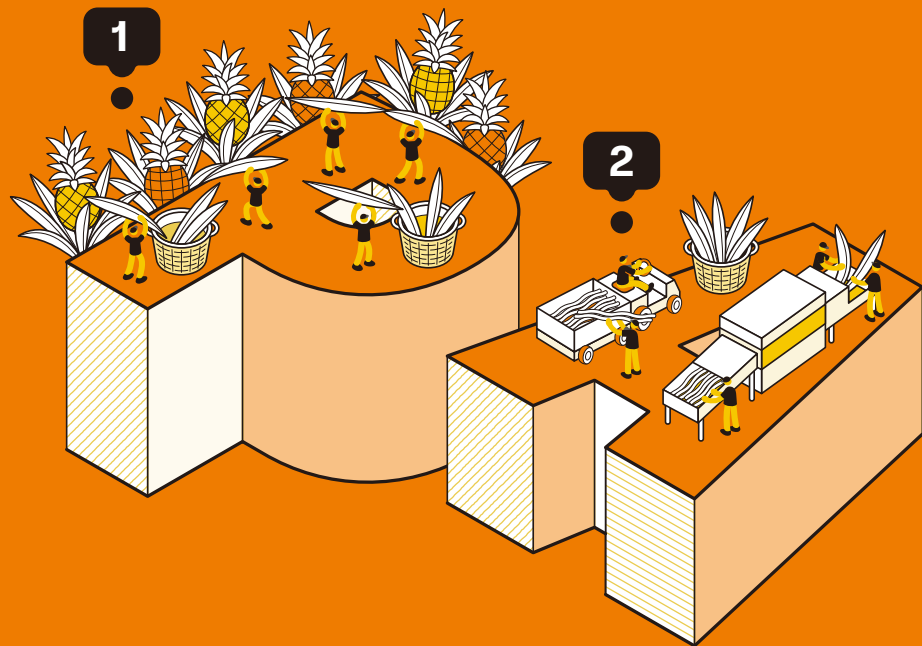
Farmers' economic source mainly comes from pineapple fruits. PALF uses the leaves from the roots. Each fruit has 30-40 leaves, and each leaf is about 50g. If the pineapple fruit weighs 1kg, the waste of pineapple leaves is about 1.4kg. It is 1.4 times that of pineapple fruit.

農民經濟來源主要來自鳳梨果實，PALF 採用位於根部的葉子，每株果實有 30-40 片葉子，每片葉子約 50 公克，若鳳梨果實重量為 1 公斤，鳳梨葉廢棄物約為 1.4 公斤，鳳梨葉為鳳梨果實的 1.4 倍。



PALF Process

鳳梨葉纖維流程圖



From Farm To Products

- 1** Leaves Collecting
農場採集鳳梨葉
- 2** PALF Extraction
鳳梨葉取纖
- 3** Yarn Spinning
紡紗製造
- 4** Knitting & Weaving
紡織品織造
- 5** Finished Products
終端成品

PALF Features

鳳梨葉纖維特色

Pineapple leaves fiber, PALF, has the advantage of low carbon emissions, 1 kg of PALF can reduce carbon emissions by 6.5/kg compared with Linen fiber, and the pineapple planting process and fiber extraction process use very low water consumption, 0.2ton. PALF has the characteristics of dryness and natural antibacterial, which is a new choice of environmentally friendly fiber.

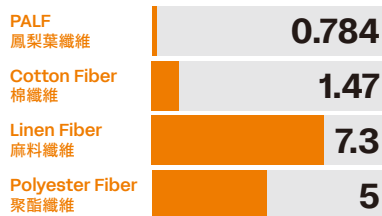
In addition to high-quality, PALF, can also provide raw materials for organic PALF, and can effectively control the traceability of agricultural waste, providing customers with high quality assurance. PALF has unique natural antibacterial and anti-odor effects. There is no need to add any chemicals. Just add an appropriate proportion of PALF to increase the anti-odor function of textiles. And through TTTRI and ITS tests, the odor suppression effect reaches 99%.Organic cultivation with high agricultural standards, farming in the most friendly way to the environment and land, and providing global high-quality organic PALF.



BSI Product Carbon Footprint Certification (ISO 14067), 1kg PALF is 0.784 Co2e/kg.

CO₂e per 1kg of fiber produced

每製造1公斤的纖維所產生的碳當量 (CO₂e/kg)



Percentage of Odor Reduction 消臭率

FTTS-FA-018 Test Method of Specified
Requirements of Deodorized Textiles
依據 FTTS-FA-018 規範測試



BSI 產品碳足跡認證 (ISO 14067) , 1kg PALF 為 0.784 CO₂e/kg。

鳳梨葉纖維 PALF 擁有低碳排的優勢，一公斤鳳梨葉纖維 PALF 相較經濟作物亞麻纖維，可以降低 6.5/kg 的碳排放，並且鳳梨栽植過程中與取纖維過程中使用極低的用水量。鳳梨葉纖維 PALF 有乾爽與天然抑菌的特性，是友善環境的纖維新選擇。

PALF 除了可提供高品質的鳳梨葉外，也可以提供有機鳳梨葉纖維的原料，並且在農業廢棄物的溯源上有效控管，提供客戶更實在的品質保障。PALF 有獨特的天然抗菌與抑臭功效，不須添加任何化學藥劑，只需要添加適當比例的PALF，便可增加紡織品的抑臭機能。且透過 TTTRI 與 ITS 測試，抑臭效果達 99%。以農業高標準的有機栽植，對於環境與土地以最友善的方式耕作，提供全球高品質的有機 PALF。



Yarn Features

紗線特色

PALF Yarn can be applied to natural fiber and synthetic fiber blended quality.

PALF 紗線可依據客戶需求，適用於天然纖維與人造纖維混紡紗線，滿足客戶對於紡織產品的功能性需求，以及天然纖維柔軟材質的手感。

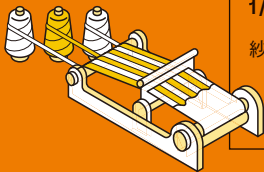
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Yarn quality can be cotton spinning, woolen spinning and fancy yarn.

紗線品質可以從棉紡品質到毛紡品質紗線，甚至到花式紗線都可以生產。

2



Yarn count can be ranged from 1/7nm to 60s.

紗線支數從1/7nm到60s皆可生產。

3

Certification

產品認證



BSI Product CarbonFootprint Certification

The product carbon footprint with the declared unit of one kilogram of Pineapple Leaves Fiber(PALF) is 0.784 kilograms of CO₂e equivalent.

BSI 產品碳足跡認證

每公斤鳳梨葉纖維 PALF 的碳排放為 0.784 CO₂e/kg



USDA Certified Biobased Product Label

USDA 生質材料認證

Sustainable Impact

永續影響力



- Effectively recycling of agricultural waste, solve the problem of agricultural waste, and can also become a new textile raw material.
- The disposal of agricultural waste often requires additional expenses for farmers. However, farmers can increase their income from collecting the leaves to improve their living.
- Because agricultural by-products can also create value, they can increase the willingness of young people to return to their hometowns to work, which in turn can increase the village population.
- Because of the cultivation method of organic agriculture, Taiwan's endemic grass owl returns to its original habitat to continue to reproduce, thereby creating biodiversity in the area.
- Taiwan has excellent agricultural and textile industries, and the industrial clusters are close to each other, we have established a localized pineapple leaves fiber supply chain production line.
- Projects 12, 13, 15, 17 in line with the United Nations Sustainable Development Indicators (SDGs).

- 有效處理農業廢棄物再生循環，解決農業廢棄物問題，同時也可以成為新的紡織原料。
- 農業廢棄物的處理往往是需要農民額外的支出，但透過鳳梨葉回收取纖後，可以創造農民額外的經濟收入。
- 因為農業副產物也可以創造價值，可以提高年輕人回家鄉工作的意願，進而提高農村人口。
- 因為有機農業的栽植方式，讓台灣特有種草鴉回到原有的棲息地繼續繁衍生存，進而創造該地的生物多樣性。
- 台灣有優秀的農業與紡織業，並且產業聚落互相接近，我們建立在地化鳳梨葉纖維供應鏈生產線。
- 符合聯合國永續發展指標 SDGs 的 12、13、15 及 17 項目。



Awards

榮獲獎項

2025

Taiwan Excellence Award

獲得 台灣精品獎



2024

B-Corp Certification

iF Design Award

PALF Fabrics & Yarns / Multi-way Outfits in PALF

Global Sustainability & ESG Awards 2024

Social Enterprise Award / Sustainable Supply Chain Award

Taiwan Sustainability Action Awards(TSAA) Bronze Prize

獲得 B型企業認證

獲得 兩項德國iF設計大獎

獲得 兩項英國倫敦 Sustainability Awards 大獎

獲得 TSAA 台灣永續行動獎 銅牌

2023

Golden Pin Design Awards

The Green Book Selected Best Solution

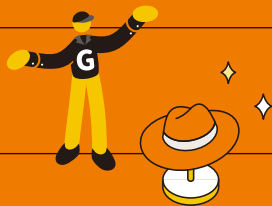
獲得 金點設計大獎

入選 公民共編「THE GREEN BOOK 臺灣綠色永續行動與解方指南」 永續解方

2022

DBS Foundation Grant, 2022 SME

獲得 DBS 星展基金會獎勵金計畫 | 中小企業組得主





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Corporation

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