



# TUNG HO TEXTILE CO., LTD.

## Investor Conference 2021/12/16

Symbol : 1414

<http://www.tungho.com.tw>

# Disclaimer

The information in this presentation contains forward-looking statements that may be influenced by uncertainties and risks in the future and some parts are out of our control and the actual results may be different from the forward-looking statements. If there are any changes or modifications in the future, please check the announcement information in the Public Information Observatory.

# Table of Contents

1

Company Profile

2

Main Products

3

Operation Overview

4

Development and Future Plan



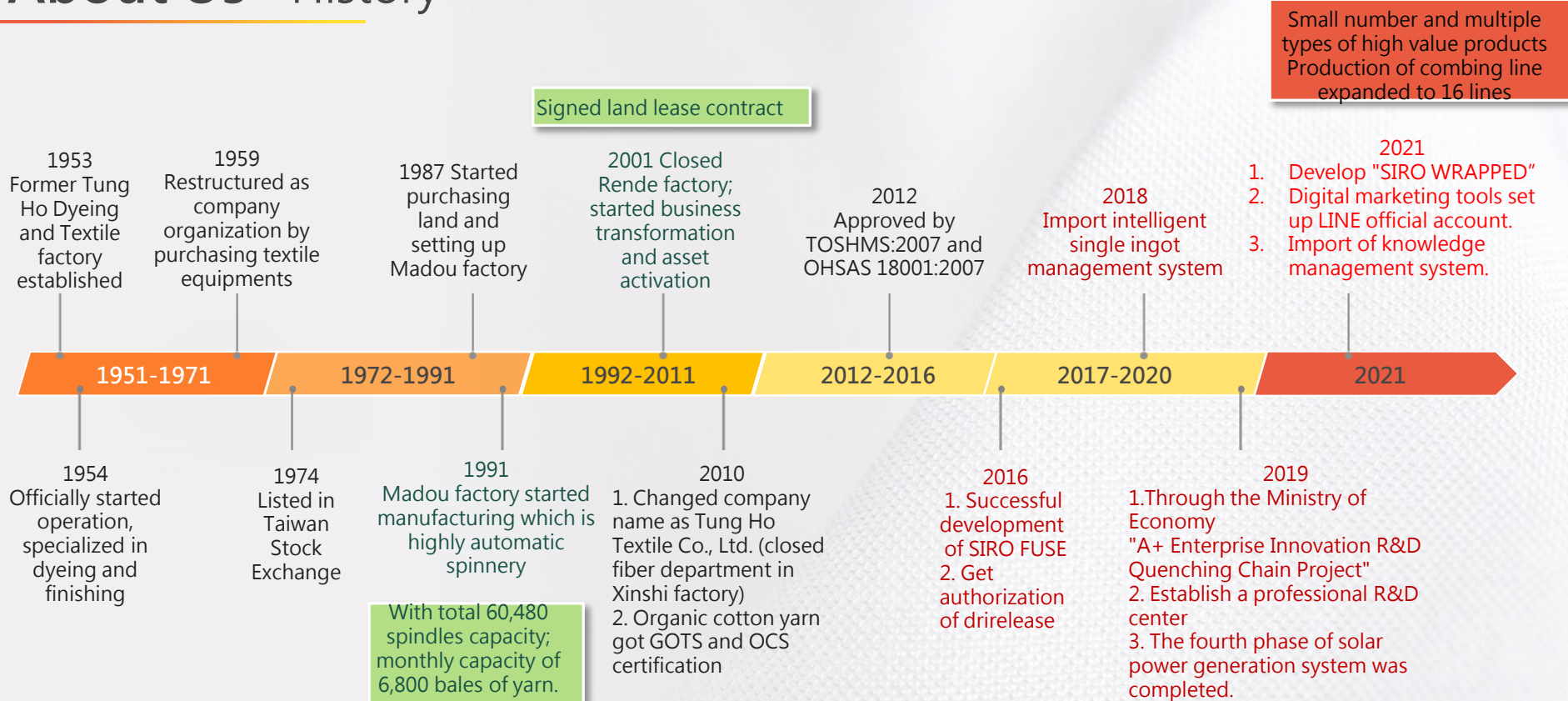
東和紡織股份有限公司  
TUNG HO TEXTILE CO., LTD

# Company profile - Operation Base

Chairman	Tsai, Shu-Ying
General manager	Chang, Chia-Heng
Year of Establishment	1953
Registered capital	2.2 billion
Revenue	NT\$ 702,471 thousand dollars (2020)
Revenue breakdown	Blended yarn 83% Lease 17%
Philosophy	Endless Research Advanced Development Sustainable Development Customer First Service



# About Us - History



# Main Products

The special features on combination of hydrophilic and hydrophobic fibers

Wicking and Fast Drying | Permanent Performance | Odor Control | Superior Comfort

*drirelease*

**Blending Yarn**

General ring spindles and blended yarn

Polyester | Cotton



feature

**SIRO-COMPACT | SIRO-SLUB | SIRO-FUSE**

Low Pilling | Cotton feel | Long and short fiber composite creates superior hand feeling and physical properties

**SIRO**

**Multi-Function**

Collaborative development of customized ratio

Temperature regulation | Natural environmental protection | Antibacterial deodorization | Skin care moisturizer |

# Operation Overview - Direction

## Establish a professional R&D center



- Continuous expansion of special yarn production line and optimization of spinning process  
SIRO-COMPACT,SIRO-SLUB,SIRO-FUSE
- Successfully developed SIRO-WRAPPED long and short fiber composite yarn



Expanded to 16 lines;  
accounting for 50% of the  
entire plant capacity

## Intelligent management Flexible production



- SpiderWeb Online/ quality monitoring
- Intelligent single spindle management system/App
- LOEPFE Millaster/ The quality of the yarn is thoroughly checked



## Differentiation Intelligent Sustainable development

## Collaborative development of customized production



- Customized and differentiated special yarns to attract brand customers
- Integration of upper, middle and lower reaches, synergistic development of functional yarns



Breathable



Moisturizing



Anti-odor



Temperature control



Antistatic



Anti UV



Antibacterial



Environmental protection

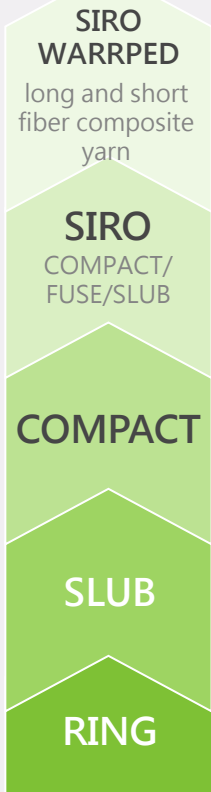
## Green energy and environmental protection



- Energy-saving ring factory
- International environmental certification
- Recycling/degradable environmentally friendly yarn development

# Operation Overview – R&D Roadmap

## Process improvement



1971-2001



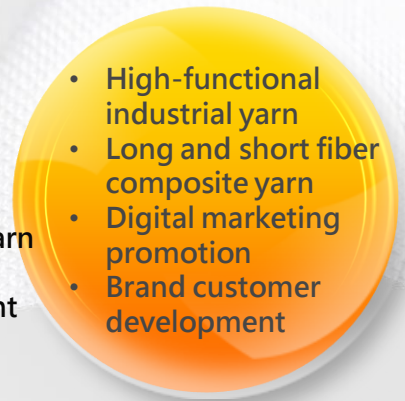
2011-2018



2019-2020

- Fine yarn (Ne60-Ne100)
- Biodegradable environmentally friendly yarn
- Introduction of Intelligent Single Spindle Management System
- Import of knowledge management system.

2021~





# Operation Overview-Sustainable Development

**VISION**  
永續舒適紡織品  
解決方案的提供者

**MISSION**  
環保機能短纖  
紡織專家



From recycled bottles to low-carbon products  
Continue to move towards "sustainable textile"



### RCYCLED

- Develop yarn types of recycled materials, including polyester, nylon, Lyocell, etc.
- The whole factory production system has passed GRS certification



### RENEWABLE / BIODEGRADBLE

- Focus on the development of sustainable yarn types, natural, renewable and naturally degradable yarn types.
- 2020 officially introduces polyester that can be degraded in the ocean and soil.



### Green energy, carbon reduction, low-carbon product development

- Develop the fourth phase of solar power generation and introduce clean energy.
- Introduce zero-carbon Tencel and Modal fibers to develop low-carbon yarns.

Sustainable development is our core value



# Operation Overview

- Environmentally sustainable development

## The Sun can generate system

Annual power generation of 3.6 million watts;

Reduce carbon emissions by 1,832 tons/year

## IBM Intelligent Air Conditioning Management System

Stable control temperature and humidity,  
the entire plant energy saving rate is more than 50%

The whole factory passed the Control Union environmental certification.





**BIG DATA**

**2,500 yarn types**

2,000 sets of yarn spinning conditions

Big data of production history

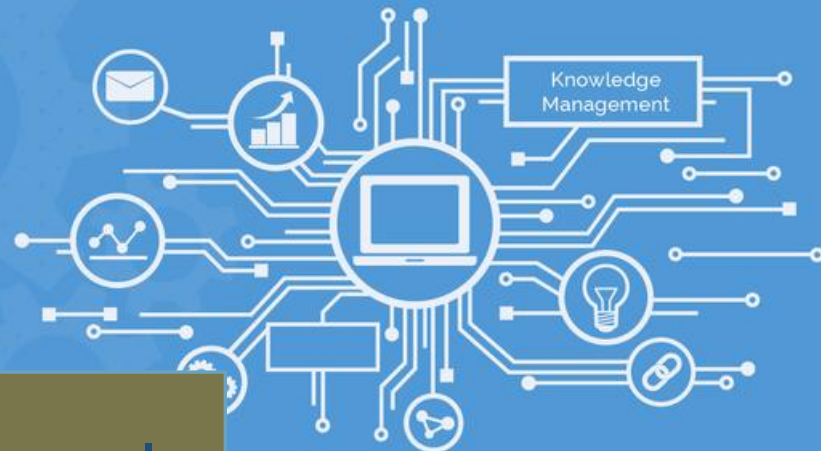
Traceable and traceable

**Knowledge pool  
Collaborative work**

E/mobile knowledge platform

Cross-departmental  
knowledge pooling

Synchronous operation agile  
management system



**Optimal spinning  
conditions**

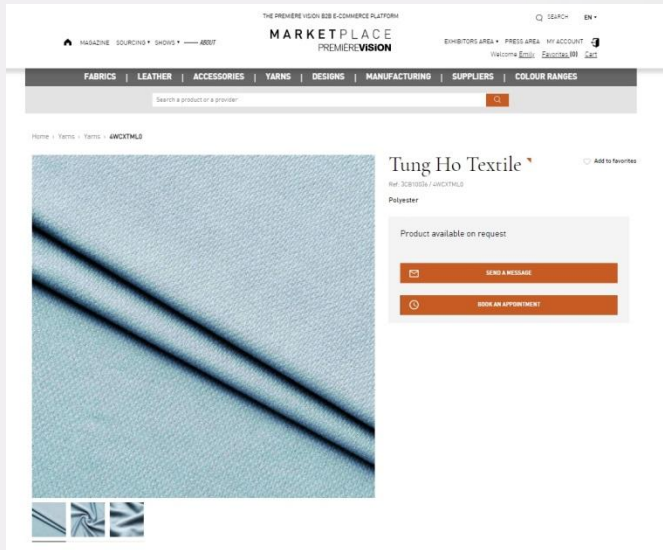
Establishment of optimum chemical  
spinning conditions

Standardized quality management

Shortened development time for new  
yarn types



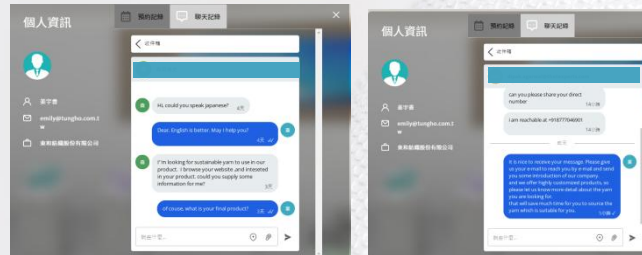
## Digital International Exhibition and VR Exhibition



From July 1, 2021, PV exhibition line MARKET PLACE continue to promote the international market.



November 1, 2021 to November 30, 2021  
TITAS Online VR Exhibition  
ON LINE connects with international buyers.



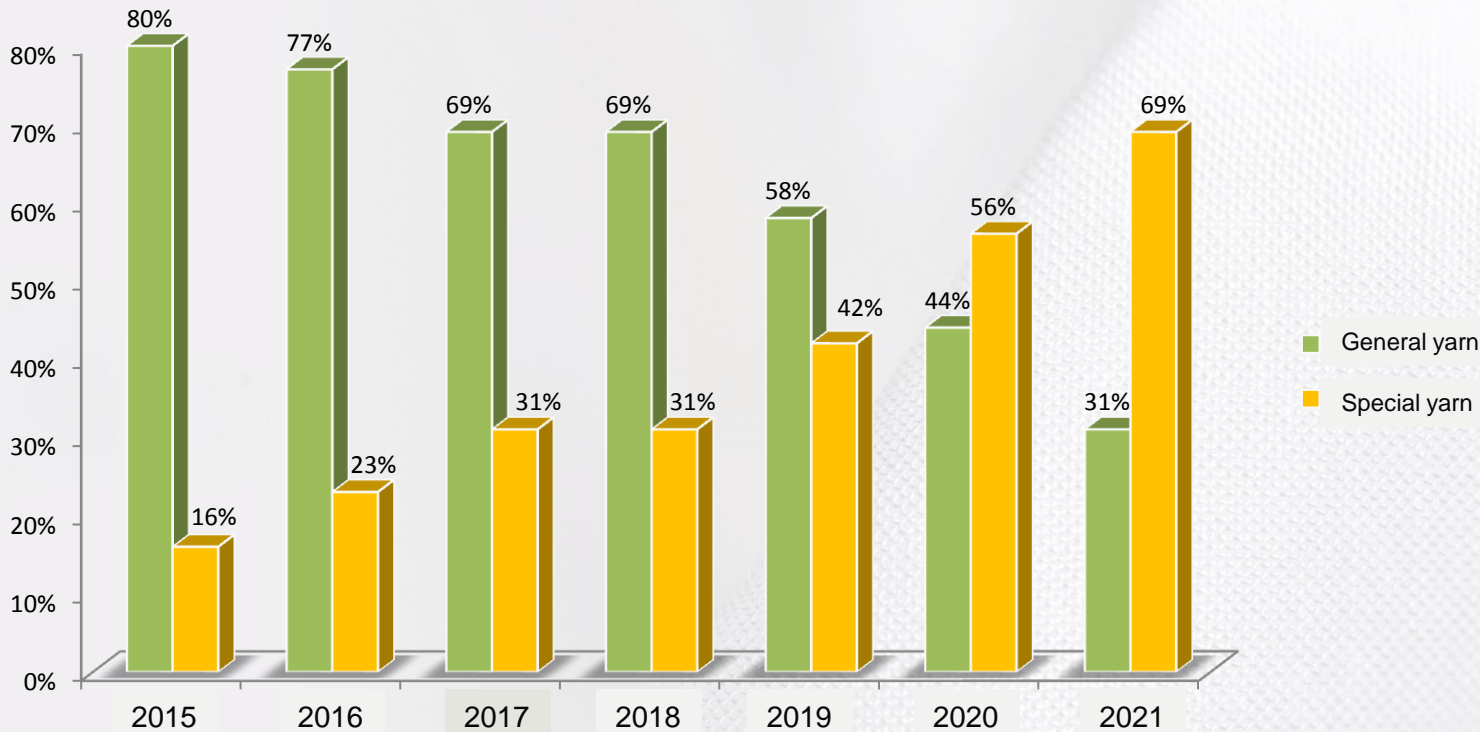
## Enhanced interaction with official accounts



May 6, 2021  
Create an official account and actively push messages Client can instantly interactive inquiry.

# Operation Overview - Product portfolio optimization

## General yarn / Special yarn sales ratio



Continuous optimization of product combination – Expand sales ratio of special yarns

# Development and Future Plan - Strategic Summary



## Management system Intellectualization

Construct a knowledge management system and analyze production/sales of big data. Improve production efficiency, forecast demand, and industry trends.



## Market layout globalization

Taking Taiwan as a research and development, production and marketing center, Develop high-value products and focus on overseas high-end markets such as Europe and Japan.



## High value for product development

Professional R&D center, with "high performance in the industry," "Low-carbon products," and "fancy composite spinning process," etc. Continuous development of innovative functional staple fiber yarns,



## Spinning process refinement

Continuously optimize the spinning technology, and implement the excellent management of on-site production, and control the yarn quality in a single spindle. Expand the production capacity of special yarns and improve product quality.





Specialize in Functional Spun Yarn

# Q&A

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THANK YOU FOR YOUR ATTENTION



東和紡織股份有限公司  
Tung Ho Textile Co., Ltd.