



**TUNG HO TEXTILE CO., LTD.**  
**Investor Conference 2019/12/06**

**Symbol : 1414**

**Web Site : <http://www.tungho.com.tw>**

# Disclaimer

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東和紡織股份有限公司  
TUNG HO TEXTILE CO., LTD

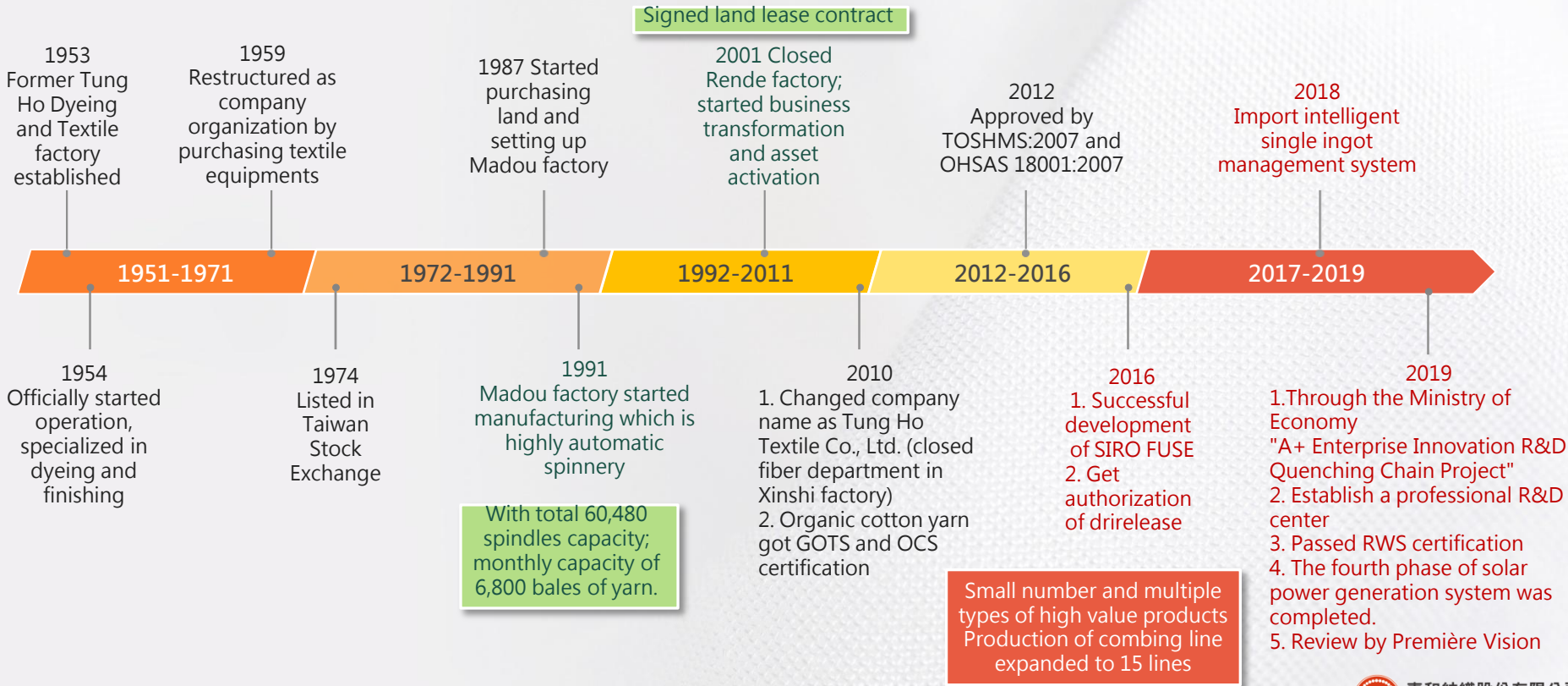


# Company profile - Operation Base

Chairman	Tsai, Shu-Ying
General manager	Chang, Chia-Heng
Year of Establishment	1953
Registered capital	2.2 billion
Revenue	NT\$ 974,924 thousand dollars (2018)
Revenue breakdown	Blended yarn 86.57% Lease 12.57% Other 0.86%
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 | Single dyeing multi-color | Unique fancy |

**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



- Through the Ministry of Economy "A+ Enterprise Innovation R&D Quenching Chain Project "
- Continuous expansion of special yarn production line and optimization of spinning process

SIRO-COMPACT,SIRO-SLUB,SIRO-FUSE

Expanded to 15 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



- Combine the European, American and Japanese manufacturers to introduce innovative raw materials
- 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



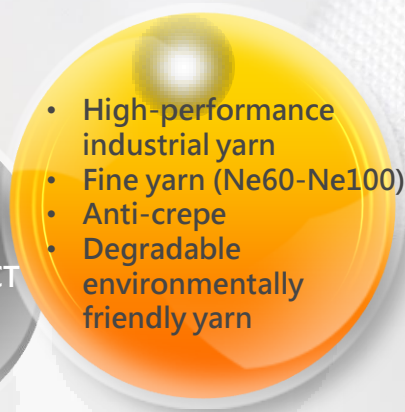
2011



2017



2019~



## Specialize in Functional Spun Yarn







# Operation Overview

- Environmentally sustainable development

## The Sun can generate system

Annual power generation of 2.7 million watts;

Reduce carbon emissions by 1,400 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.





# Operation Overview

-Intelligent single spindle management system

✓ Reduce breaks and improve quality

✓ Instant monitoring of production data

✓ Increased productivity by 6.5%



Draft monitoring



Energy consumption monitoring



Tube forming analysis



# Operation Overview - Overseas market promotion

## Taiwan R&D and production Focus on European/Japanese high-end market



Premiere Vision Yarns Paris 2019



YarnExpo Shanghai 2019



TITAS Taipei 2019



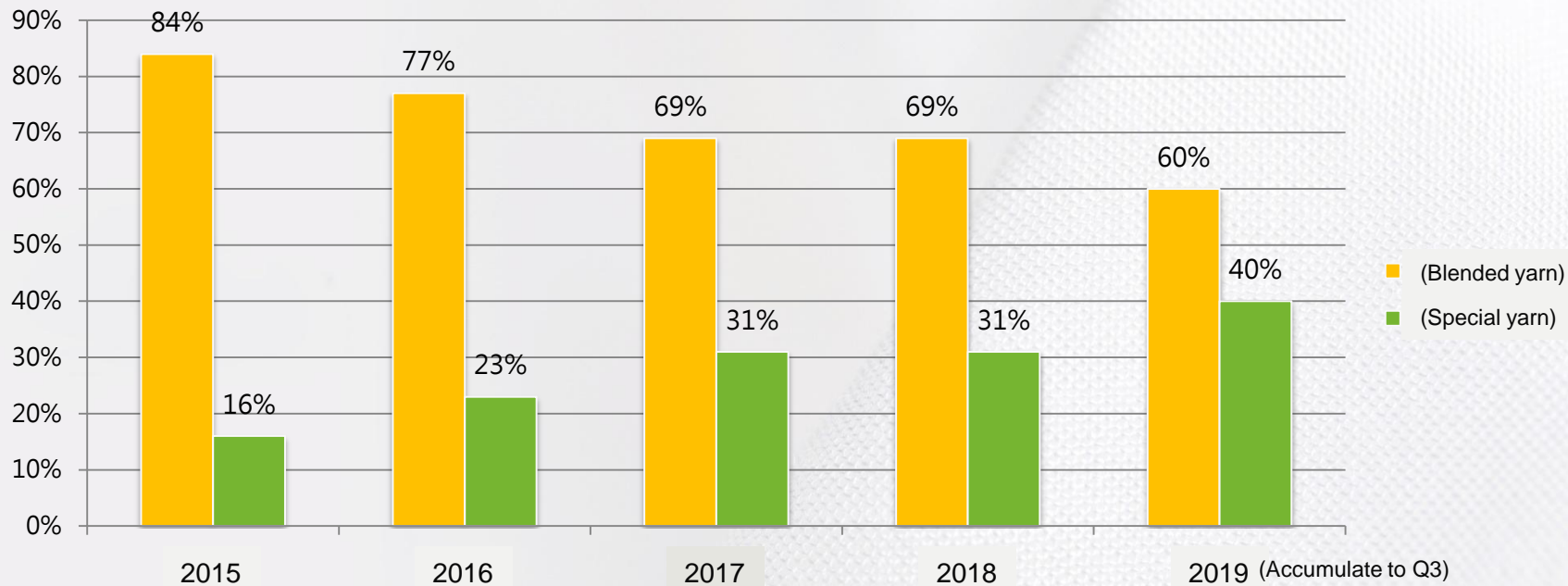
Pantextiles Osaka 2019





# Operation Overview - Product portfolio optimization

## Blended 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," "Environmentally degradable," 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



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