

Agenda

- Company Profile
- Operational Performance
- Sporting Goods
- Composite Materials Products
- Development and Strategy of New Business
 Opportunity for Composite Product
- ESG Sustainable Development



COMPANY PROFILE

Stock Code: 8938



COMPANY PROFILE

SINCE 1987

·Chairman and President: Sunny Cheng 🔊

·Capital: 1,353,127 (NT\$ Thousands)

- ·Established: July 20, 1987
- Products/Services:
- 1. Sporting Goods
- 2. Composite Materials Products
- 3. New Business for Composite Materials
- Address: No. 26, Chung Lin Road, Lin-Hai Industrial District, Kaohsiung, Taiwan.
- •Application for (OTC) Listing: Dec. 2, 2002



Locations and Products

Chung Lin Factory
Headquarter

Investment Casting, Bike Parts TAWAN

Daye Factory

Carbon Fiber Prepreg

LaunchTech -Subsidiary

Golf Balls



Kaohsiung Branch

Composite Industrial Products, Composite Consumer Electronics



Ho Fa Industrial Park

Composite Prepreg, Composite Innovative Products



CHINA

China Factory

Golf Equipment, Composite Consumer Electronics

VIETNAM

Vietnam Factory

Golf Equipment



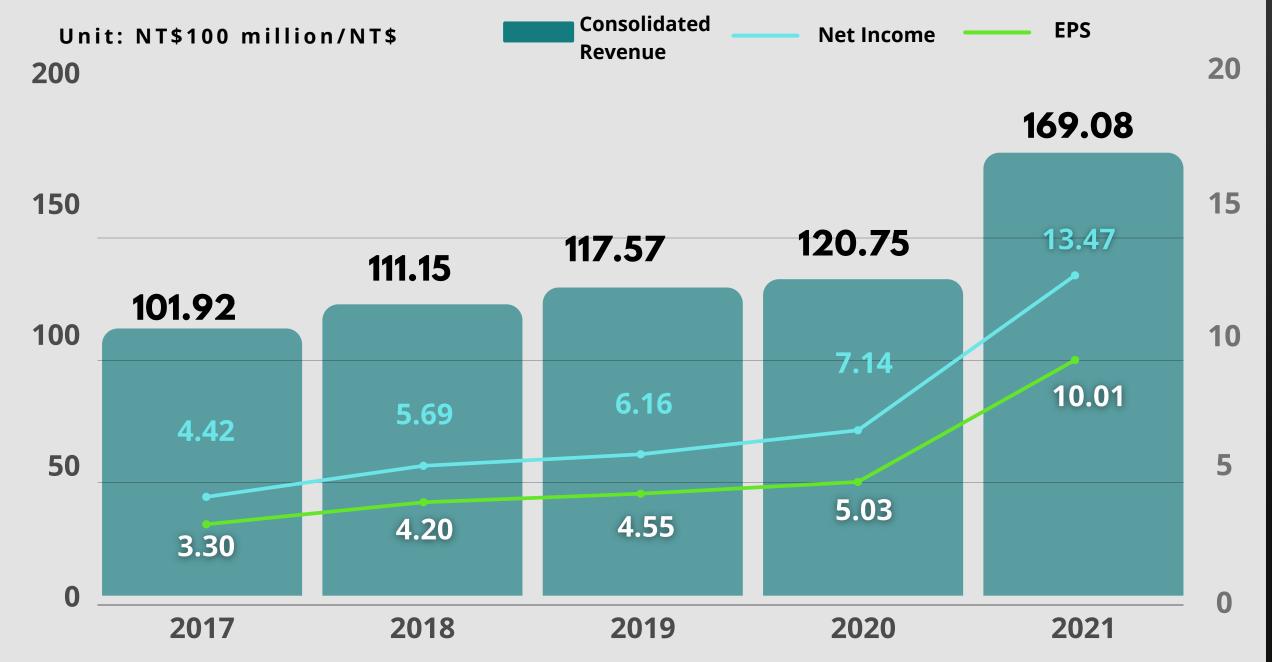
OPERATIONAL PERFORMANCE







2017~2021 OPERATIONAL PERFORMANCE





SPORTING GOODS





- Golf equipment (including golf club head, carbon fiber golf shaft)
- ·Golf balls
- •Carbon fiber bike frame and fork
- Carbon fiber plate for running shoes



09/30 THE U.S. GOLF INDUSTRY OUTLOOK FOR 2021

#THE ROUNDS PLAYED IN THE U.S. IN 2021 SURPASSED THE MARKET BOOMING IN 2000.

• The rounds played in the U.S. in 2021 surpassed the market booming in 2000. That shows the end of golf market recession over two decades and reflects a more than 20% growth compared with the lowest in 2018~2019.

#GOLF'S GROWTH IN POPULARITY

• In general, it shows approximately 37.5 million of the U.S. participants in golf in 2021, with a slight increase from 36.9 million in 2020. Golf population has posted an aggressive growth from its low to 17% in the past five years.



#3.2 MILLION BEGINNERS, WOMEN AND YOUNG GROWN MOST.

• In 2021, 3.2 million of beginner played golf, comprising over 20% increase during the pandemic. Women and young players account for the highest growth.



FUTURE OUTLOOK AND PLANNING FOR SPORTING GOODS

#SPORTING GOODS IS EXPECTED TO GROW CONTINUOUSLY AFTER THE EPIDEMIC

• The number of participants in golf, cycling and jogging has grown significantly during the pandemic. As countries worldwide are starting to lift restrictions and the supply chain gradually resume to normal, the market keeps thriving.

#NEW PRODUCT DRIVES SALES GROWTH

• The innovative product, joint R&D with main customer for long-term, goes into a successful launch. The application of high-performance composite materials will continue in developing the next generation products to increase the added value of customer products as well as the market share in the future.

#PRODUCTION ALLOCATION IN VIETNAM

• Construction and capacity expansion of the 2nd factory in Vietnam proceed as planned.





COMPOSITE MATERIALS PRODUCTS



FOR COMPOSITE MATERIALS

1989

Carbon fiber/

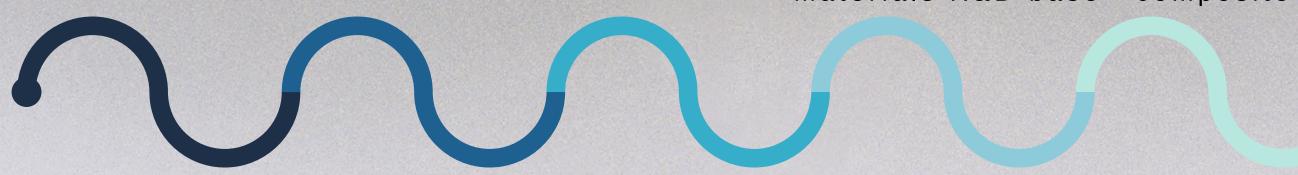
2007

Carbon fiber glass fiber Prepreg industrial products 2015

Compositization on golf club head 2019

Completion of composite materials R&D base 2022

Establishment of innovation base of composite materials





1988

Carbon fiber golf shaft

1992

Carbon fiber bike frame

2009

Composite 3C products 2018

Carbon fiber plate Supply of thermoplastic for running shoes

2020

materials (TP)

4 CORE STRATEGIES

- Integrate the applications of various materials to become an expert in lightweight.
- Offer one-stop shopping service to customers, from raw materials to product design and manufacturing.
- Shift from delicate consumer products toward high value-added industrial applications.
- In line with the trend of energy saving and environmental protection.



13/30 ONE STOP SHOPPING SERVICE

From raw materials to product design and manufacturing



2022

Award the first certification of composite Recycled Claim Standard (RCS) in Asia

2021

First launch the composite face of golf head. Carbon composite wheel passed the biaxial test.

2020

First launch the carbon crown with undercut design. Apply the Resin Transfer Molding (RTM) to carbon composite Wheel.

2019

Purchasing HP-RTM (High Pressure Resin Transfer Molding)Production the complex shapes for carbon sole of golf head.

2018

First launch carbon fiber texture with Physical Vapor Deposition (PVD)

2017

First launch carbon crown with metallic luster on composite of golf head

2016

Nanoscale surface modification promotes reinforcement of composite resin formulation

2015

Apply the rapid cured resin formulation to carbon crown and sole of golf head



2021 Multi-direction connectivity, Air impermeability connectivity, Multi-part connectivity

- 2019 Thermosetting compositions, Thermosetting products and composites
- 2017 The manufacturing method and its product of the frame of electronic product
- 2016 The manufacturing method and its product of composite shell
- 2014 Reinforce composites outer shell
- 2013 Complex heterogeneous process
- 2012 Insert metal to composites process

INDUSTRIALIZATION

AUTOMOTIVE, MOTORBIKE



1

SPORTING GOODS





MAIN PRODUCTS



- Raw materials: Composite Prepreg (TS, TP).
- Shells or interior structural parts for 3C electronic products.



15/30 INNOVATION AND DEVELOPMENT FOR COMPOSITE MATERIALS

#THE FUTURE OF COMPOSITE MATERIALS R&D

- -TS, Thermoset
 - High impact resistance and toughness (Sporting Goods)
 - •Lightweight structural composite materials and resin formulations for automobiles.
- -TP, Thermoplastic.
- -Build up a circular cycle of recycle and reuse carbon fiber to respond to the trends in environmental friendly and carbon reduction.



LIGHT WEIGHT MATERIAL & NEW APPLICATION

#COMPOSITE MATERIALS INNOVATION BASE (HO FA INDUSTRIAL PARK)

- -The 1st phase of the project is nearly completed and scheduled to be put into production in the 4th quarter of 2022
- -Offer one stop shopping service, from raw composite materials R&D to PPG Manufacturing.



TRENDS IN COMPOSITE MATERIALS AND CONSUMER ELECTRONICS

#CONSUMER ELECTRONICS DEMAND IN POST-COVID WORLD

- Increased demands for consumer electronics previously seen due to work-from-home during pandemic.
- Composite materials usage in wearable consumer electronics
- Further popularization of wearables enabled by advances in miniaturizing of computing, telecommunication, and optical components. Improving user experience with composite materials solutions for better weight, heat, wireless capabilities.



#FOCUS ON SUSTAINABILITY TOPICS

• Declarations by leading brands on reduction targets for waste, energy, and carbon footprint. Continuing developmental work in recyclable composite materials, low carbon footprint and non-resource-intensive processes.



DEVELOPMENT AND STRATEGY OF NEW BUSINESS OPPORTUNITY FOR COMPOSITE PRODUCT

COMPOSITE RELATED TECHNOLOGY MEET THE TRENDS OF CARS

Carbon
Light Eyebrow Cover



CUTTING-EDGE TECHNOLOGY FOR PREFORMING MODULES #ADVANCED MODULAR PREFORMING

• Flexible preform to meet different designs. Width & diameter can be adjusted.

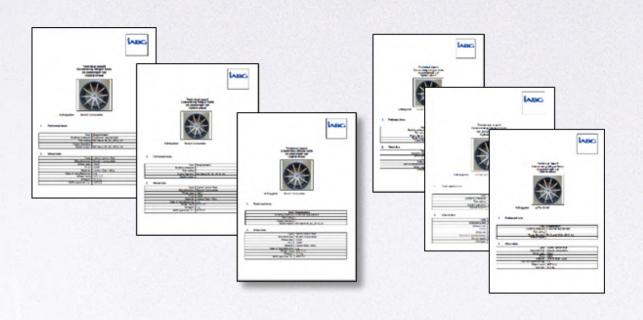
#COMPREHENSIVE SYSTEM AVAILABLE FOR MASS PRODUCTION

 HP-RTM (Only one in Taiwan/High Pressure ResinTransfer Molding)
 Shorter cure time ready for mass production.



Pass StVZO Function Test

	20"	21"
Bursting 8 Bar Pressure Test	√	√
Bending Fatigue 75% - 200,000 Cycles	√	√
Bending Fatigue 50% - 1,800,000 Cycles	√	1
Radial Fatigue Test 3,000,000 Cycles	√	1
Radial Impact Test	1	√
Bi-axial Test – 7,500KM	1	V

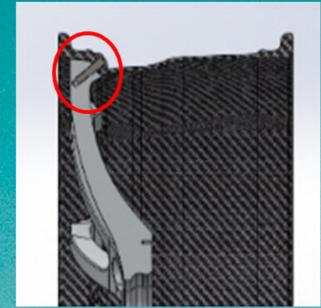




DESIGN CAPABILITY WITH MULTI-SPECIFICATION

21" Carbon Wheel



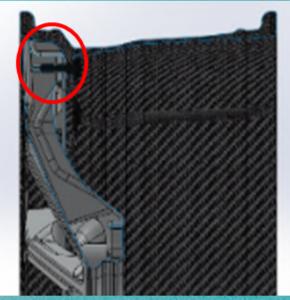


Screws mounted from tire side

20" Carbon Wheel

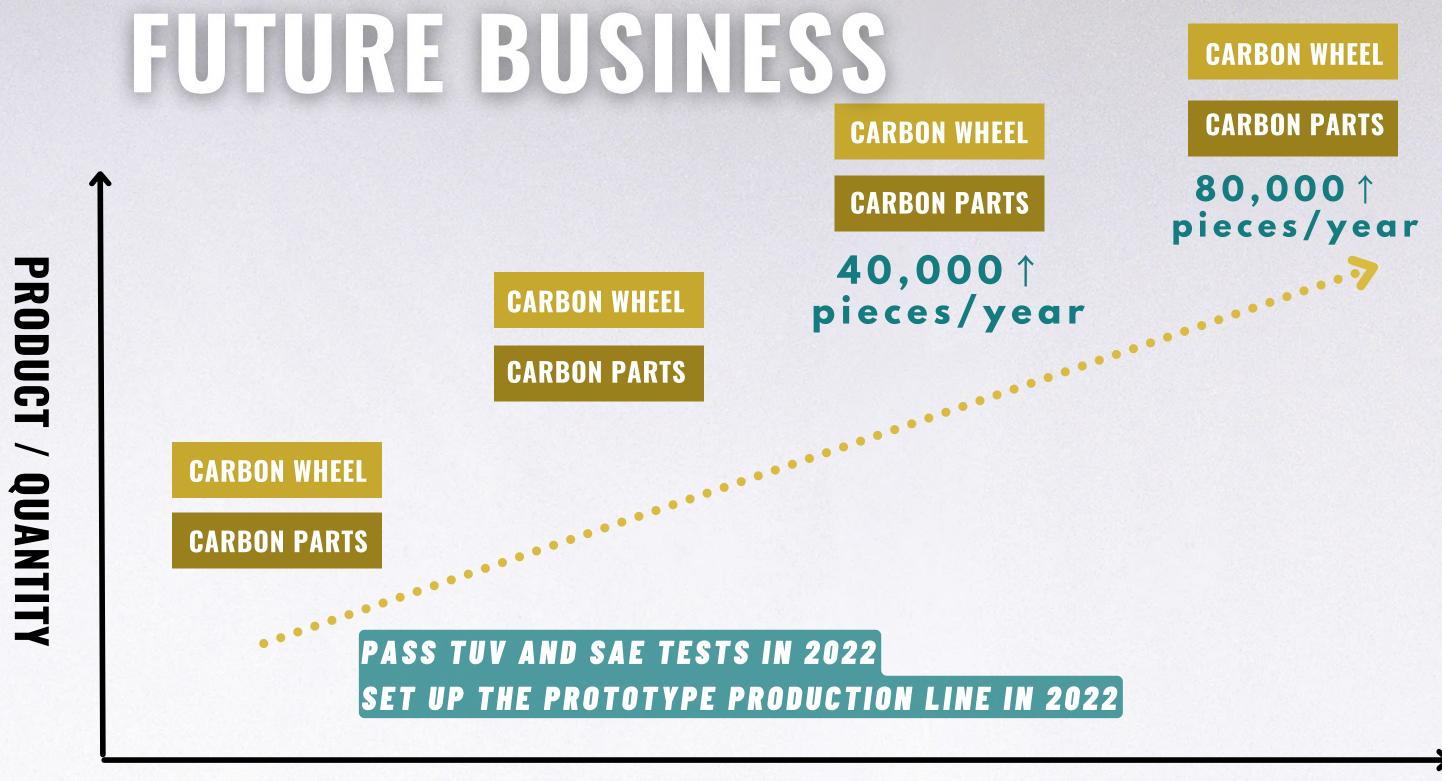






Screws mounted from back side









2023 - 2024

2025 - 2026

2027



ESG SUSTAINABLE DEVELOPMENT



ESG SUSTAINABLE DEVELOPMENT

- · ESG Promotion Committee
- · ESG Key Objectives
- · ESG Implementation



ESG PROMOTION COMMITTEE

ADVANCED GROUP



- 1.ESG Committee devises the promotion, consolation and audit plans for Advanced Group.
- 2. Quarterly review on the ESG tasks implementation of each BU and the subsidiary.
- 3.ESG Committee delegates supervisors who carry out sustainable tasks.



ENVIRONMENT =

- -Set up an environmental protection promotion team.
- -Goal of reducing energy consumption: 2022 5%, 2025 20%, 2030 40%.
- -Formulate short-, medium- and long-term environmental sustainability plans.

SOCIAL



- -Disclosure TCFD.
- -Participate in social welfare activities.
- -Talent cultivation.

ESG KEY OBJECTIVES

GOVERNANCE 5

- -In accordance with Corporate Governance 3.0 Sustainable Development Roadmap.
- -In the top 20% of the Corporate Governance Evaluation.



ENVIRONMENTAL IMPLEMENTATION

Continue to save electricity and reduce waste, GHG emission, and water consumption.

- 2021 and 2020 consumption/emission:

Category	Unit	2021	2020
Electricity	kWh / by Revenue (NT\$ Thousands)	1.56	1.65
Tap Water	, , , , , , , , , , , , , , , , , , , ,	0.0042	0.0047
GHG	ton CO2e / by Revenue (NT\$ Thousands)	0.00093	0.00098

- •Replace aging equipment with energy conservation devices, and convert to energy efficient LED lights to save a total of 99,493 kWh.
- Air conditioning adjustments from 25 to 28 degrees.



SOCIAL IMPLEMENTATION

#ART AND CULTURAL ACTIVITIES PROMOTION

- Sponsor Kaohsiung Philharmonic Cultural & Arts Foundation Kaohsiung Spring Arts Festival.
- To hold Advanced Group Kids Painting Competition, Photo Competition and Essay Writing Competition every year.



#SPONSORSHIP IN SPORTS ACTIVITIES

• Sponsor ThreeBondTPGA Challenge Tour.

#CARE FOR THE DISADVANTAGED

- Fulfill TFCF Children's Christmas Wishes;
- Donate to Andrew Food Bank food boxes for disadvantaged families;
- Donate to Taiwan World Vision children school fee;
- Second-hand goods donation to the Garden of Hope Foundation;
- Support Vegetative Person's Year-round Service;
- Volunteer in Andrew Food Bank food boxes packaging;
- Work with A-Fu Food Bank for goods distributions to vulnerable families
- Sponsor Sinly-Lu Welfare Foundation Charity Concert;
- Sponsor Andrew Food Bank Cultivation of Youth Program;





• Fulfill TFCF
Children's Christmas Wishes



Donate to Taiwan World
 Vision children school fee

Donate to Andrew
 Food Bank food boxes

Food Boxes Packaging
 Volunteer



Sponsor ThreeBond TPGA





ADVANCED INTERNATIONAL MULTITECH CO..LTD



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