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**Nan Ya Plastics**  
**Year 2021 3Q**  
**Operations & Performance**

**Nov. 2021**



# Agenda

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- **Overview**
- **Financial Highlights**
- **Capacity Expansion Plan**
- **Q & A**

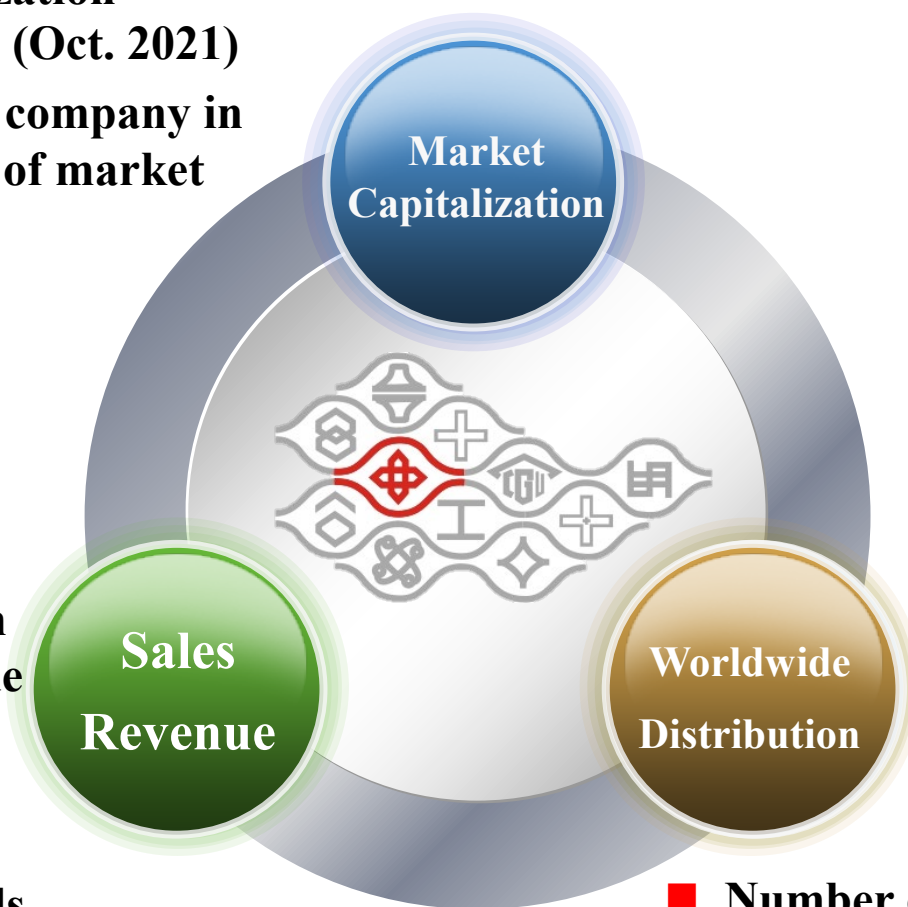


# Overview

## Highlights

- **Market Capitalization**  
NT\$ 674.9billion (Oct. 2021)
- **The 10th largest company in Taiwan in terms of market capitalization**

- **NT\$ 273.4 billion (Y2020, not include Nanya Tech. Co.)**
- **Sales breakdown**
  - 15% in plastics
  - 24% in chemicals
  - 44% in electronics
  - 16% in polyesters



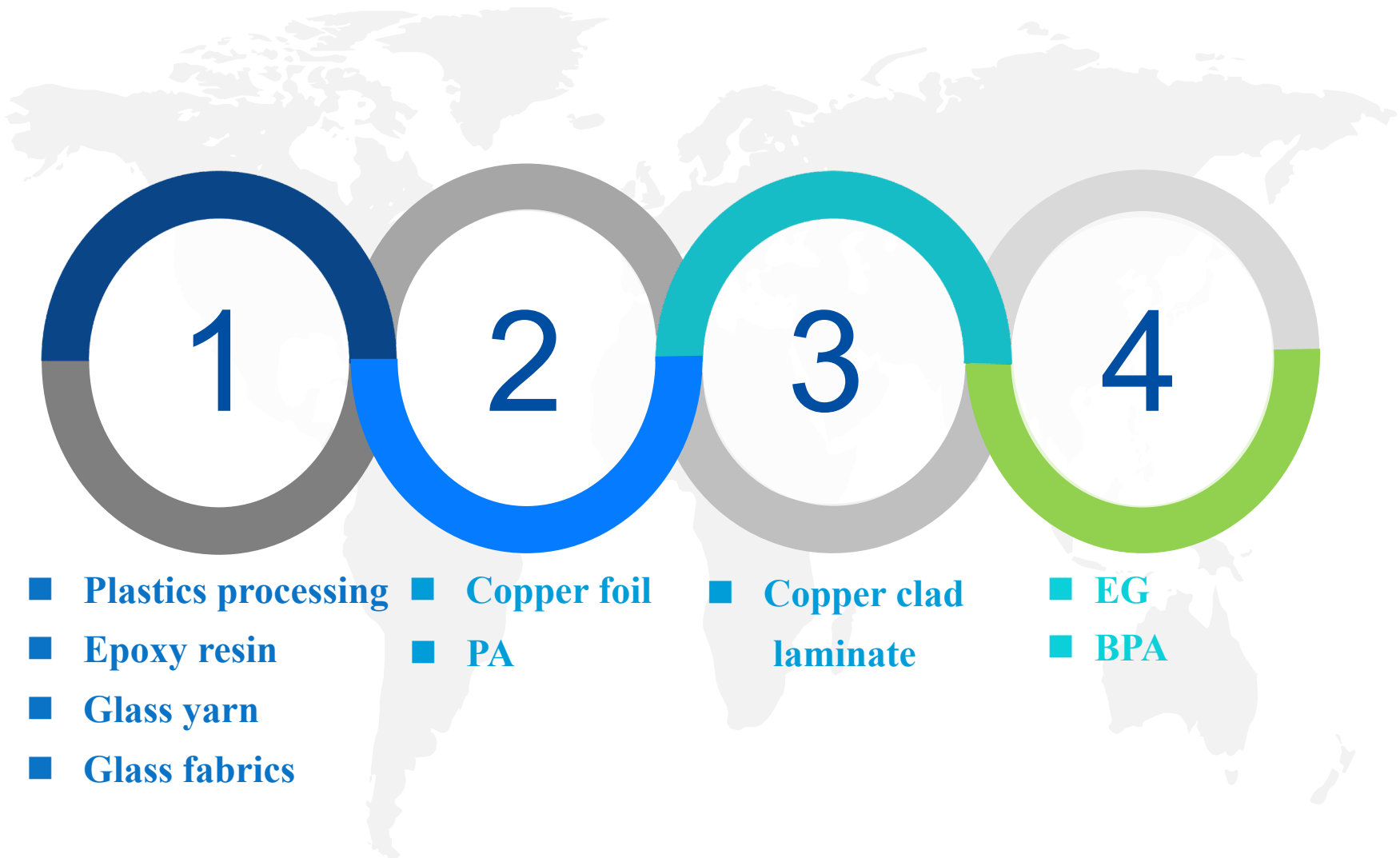
- **Total number of Plants 102**
  - 59 in Taiwan
  - 36 in China
  - 7 in US

- **Number of Employees 31,740**  
(The number of Plants and Employees includes the consolidated financial reporting company)



# Overview

## Leading market positions for capacity



※Plasticizer products ranked 5<sup>th</sup>  
Polyester products ranked 11<sup>th</sup>



# Overview

## History



Plastics Processing

1958



Nan Ya USA  
& America Co.

- Texas
- Louisiana
- South Carolina

1979



Nanya Tech Co.

1995



Chemicals

1999

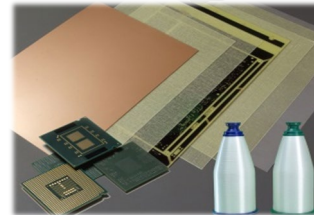
Polyesters

1969



Electronics  
& Nan Ya PCB Co.

1986



Investing in  
China

1994



- Xiamen
- Guangzhou
- Nantong
- Huizhou
- Kunshan
- Ningbo



# Overview

## Major Businesses

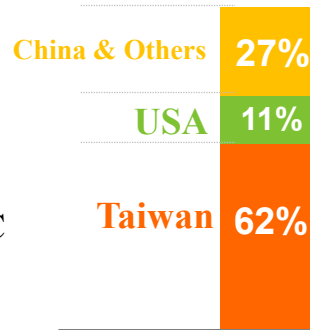
Sales breakdown in 2020



### Plastics

15%

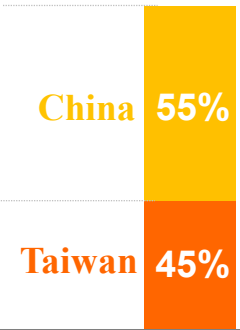
PVC Sheeting, PVC Rigid Film, PU Leather, PVC Rigid Pipe & Fittings, Window & Door Frames, Films, Engineering and PVC Compounds, PP Synthetic Paper



### Electronics

44%

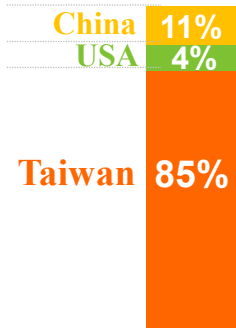
Glass Yarn, Glass Fabrics, Epoxy Resin, Copper Foil, Copper Clad Laminate, Printed Circuit Board



### Chemicals

24%

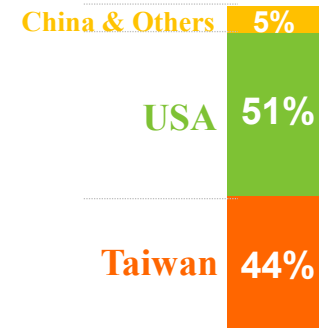
EG, BPA, 1,4BG, Plasticizer, PA, 2EH, INA, MA



### Polyesters

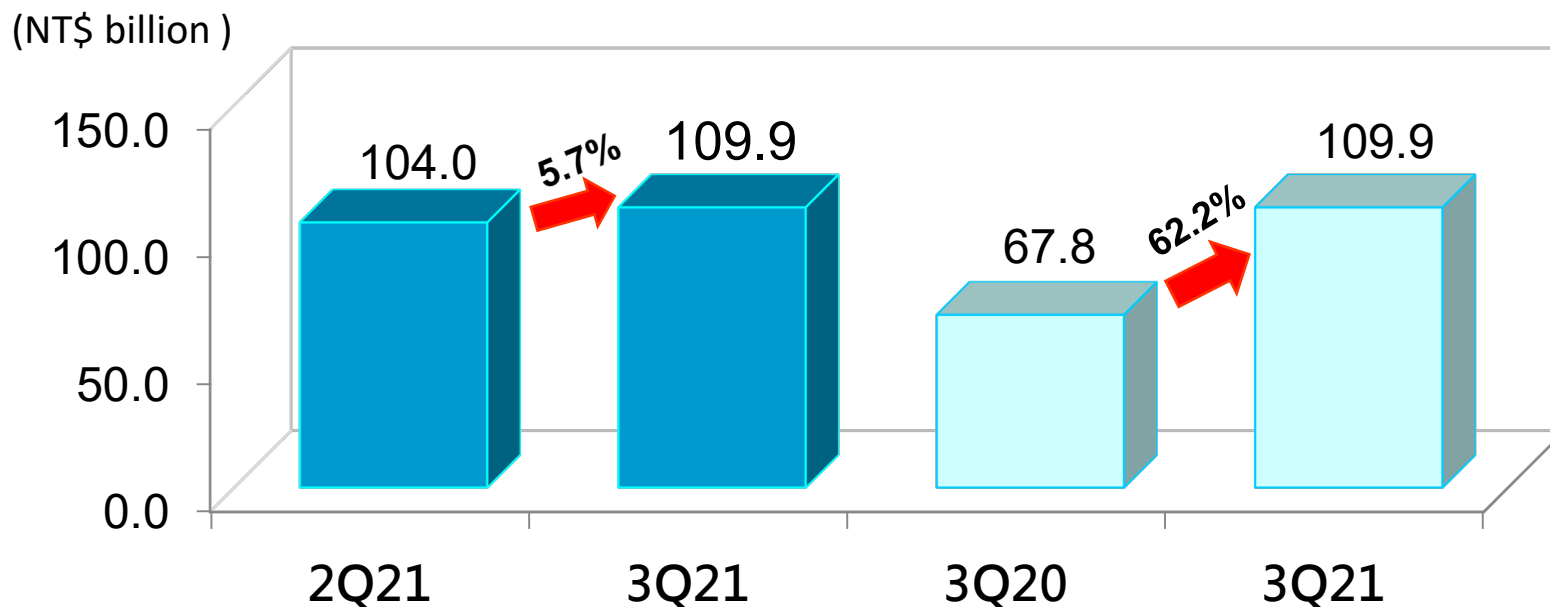
16%

Polyester Staple Fiber, PET Resin, Filament, PET Film



# Financial Highlights

## Consolidated Revenue (IFRS)



- **Revenue in 2021 3Q increased 5.7% QoQ due to :**

Continued the momentum from the last quarter, the strong growth in electronic material products and chemical products leading the revenue achieved the highest 3Q record.

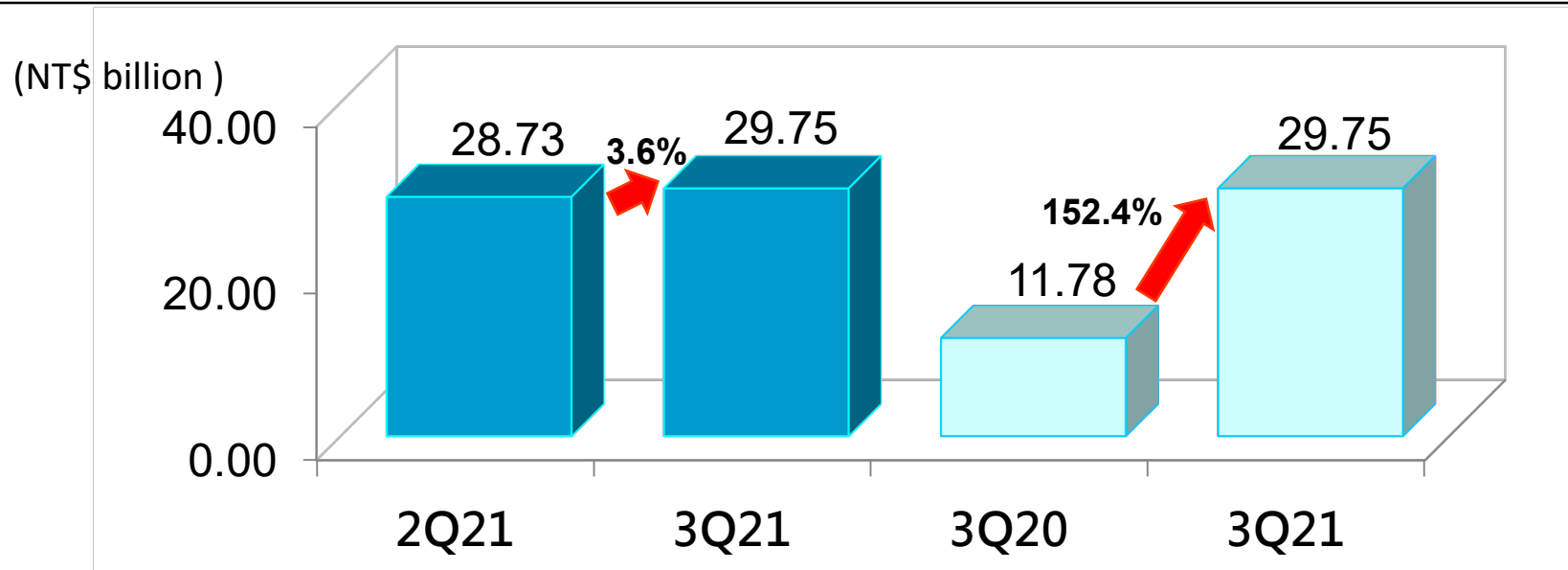
- **Revenue in 2021 3Q increased 62.2% YoY due to :**

The continuous rise and popularization of energy vehicles, stay-at-home economy, 5G, AI, and super-speed Internet promoted the rapid development of the electronic materials industry. Coupled with the gradual control of the global epidemic, the essential demand rebounded strongly and the prosperity of various industries recovered significantly, leading the revenue of various products increased.



# Financial Highlights

## Pre-tax Income



■ **2021 3Q pre-tax income increased 3.6% QoQ due to :**

1. Operating profit decreased NT\$0.4bn mainly due to the slightly declined in polyester and plastic products.
2. Equity income decreased NT\$0.5bn QoQ :  
(1) FPCC -NT\$0.8bn (2) Nanya Tech +NT\$0.4bn

■ **2021 3Q pre-tax income increased 152.4% YoY due to :**

1. Operating profit significantly increased by NT\$18.2bn mainly due to the growth in electronic material products and chemical products.
2. Equity income increased NT\$0.2bn YoY :  
(1) FPCC -NT\$1.3bn (2) Nanya Tech +NT\$1.7bn

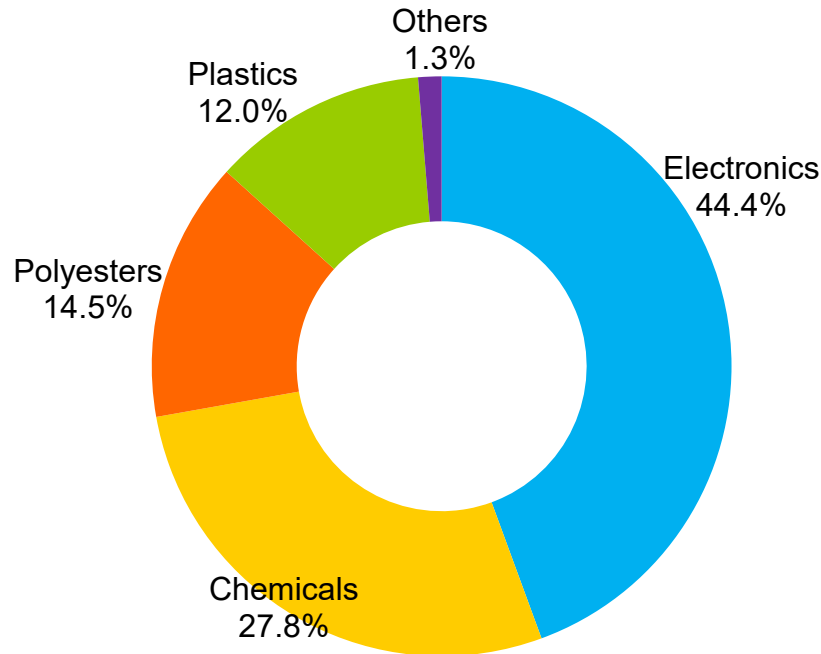




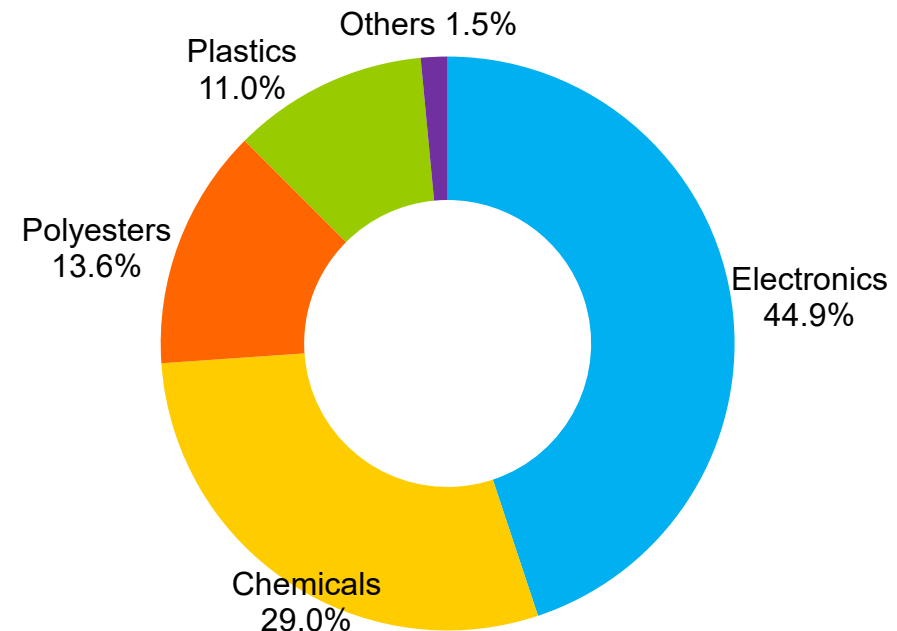
# Financial Highlights

## Revenue Breakdown by Product Segment

**2021 2Q Net Sales**  
**NT\$ 104.0billion**



**2021 3Q Net Sales**  
**NT\$ 109.9 billion**



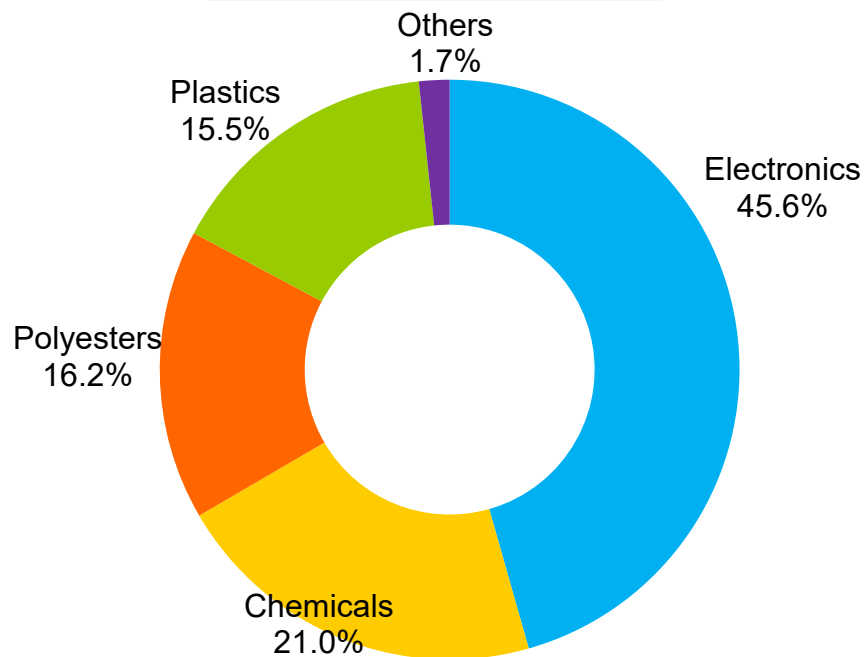
- Continued the momentum from the last quarter, the strong growth in electronic material products and chemical products leading the revenue achieved the highest 3Q record.
- Due to the market of BPA, 1.4BG, and plasticizer maintained at an ideal state, leading the proportion of chemicals products increased.



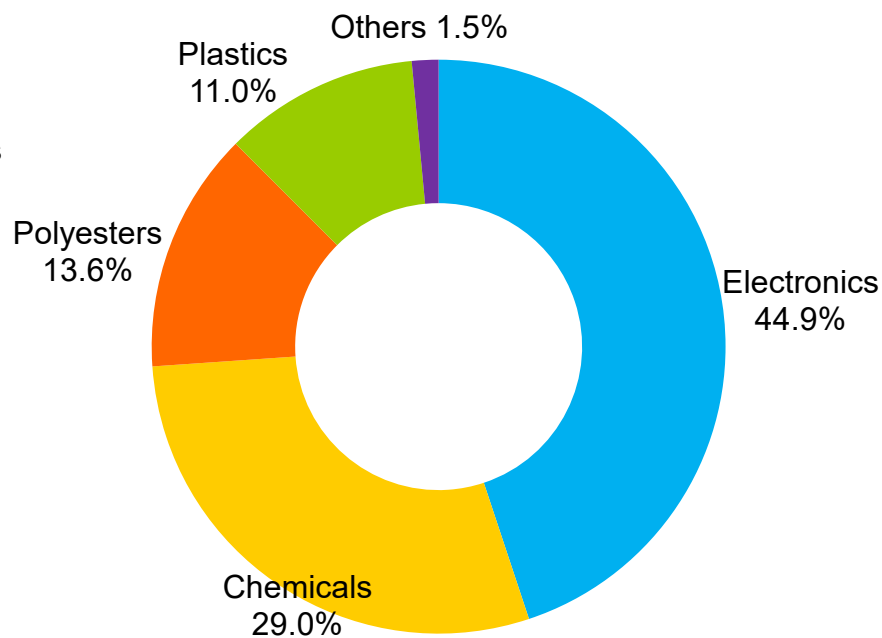
# Financial Highlights

## Revenue Breakdown by Product Segment

2020 3Q Net Sales  
NT\$ 67.8billion



2021 3Q Net Sales  
NT\$ 109.9 billion\*

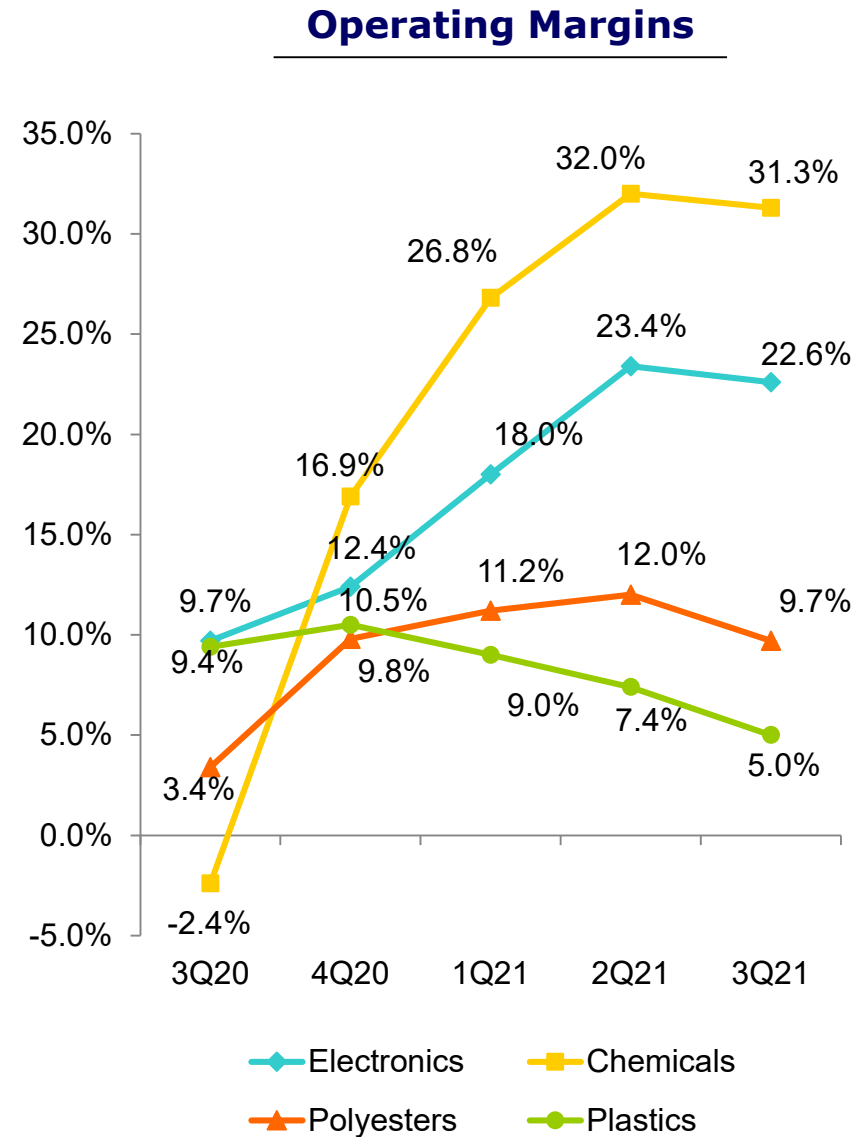
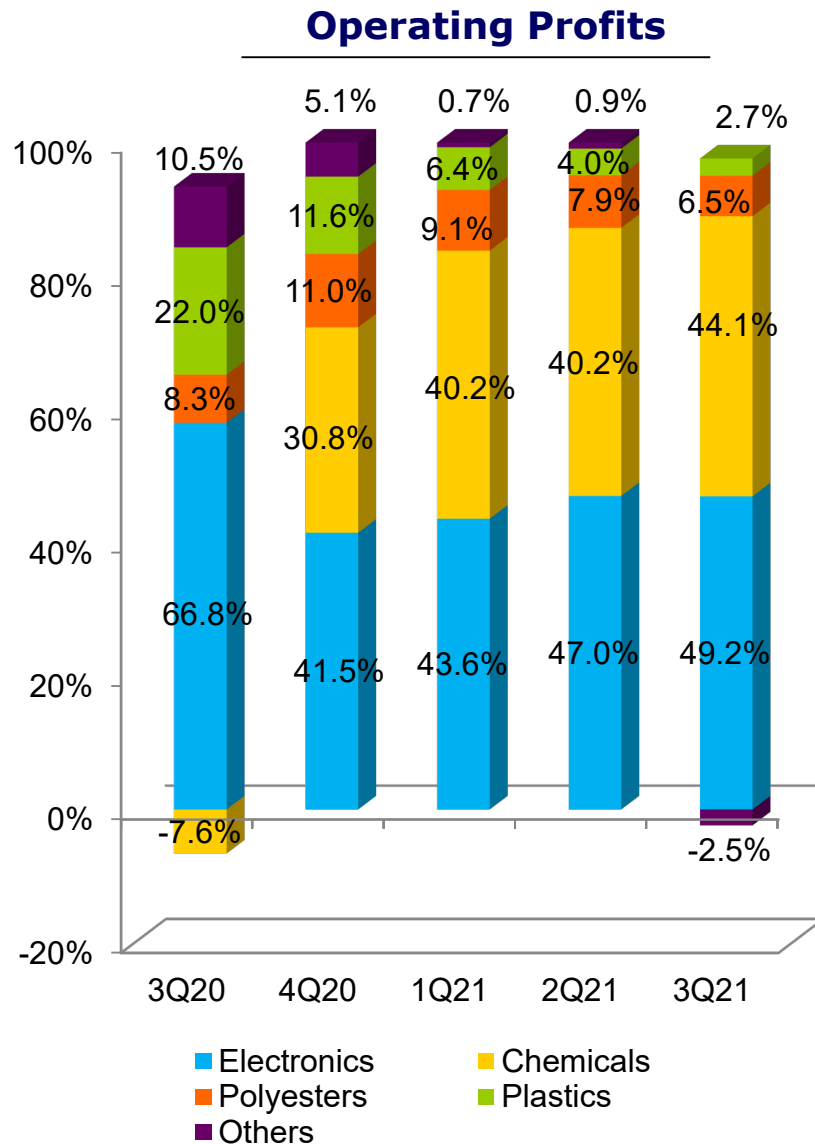


- The continuous rise and popularization of energy vehicles, stay-at-home economy, 5G, AI, and super-speed Internet promoted the rapid development of the electronic materials industry. Coupled with the gradual control of the global epidemic, the essential demand rebounded strongly and the prosperity of various industries recovered significantly, leading the revenue of various products increased.
- Due to the increase in demand, the price and quantity rise accordingly, leading the proportion of chemicals products increased.



# Financial Highlights

## Operating Profits Breakdown by Product Segment



# Business Overview

## Capacity Expansion Plan

| Area           | Product                                      | Unit            | Annual Capacity |           |           | Estimated Commissioning Date |
|----------------|--|-----------------|-----------------|-----------|-----------|------------------------------|
|                |  |                 | Current (Note)  | Expansion | Increase% |                              |
| Taiwan         | Plastic Pallet                               | KMT             | 17              | 6         | 35        | 2022/11                      |
|                | Long Fiber-Reinforced Thermoplastics         | KMT             | 0               | 5         | 100       | 2022/3                       |
|                | Polyester Film                               | KMT             | 94              | 14        | 15        | 2021/11                      |
|                | Polyester Release Film (5 <sup>th</sup> set) | KM <sup>2</sup> | 240,000         | 144,000   | 60        | 2022/9                       |
|                | ABF Substrate(process improvement )          | Million Unit    | -               | -         | 12        | 2022/1                       |
|                | ABF Substrate                                | Million Unit    | -               | -         | 14        | 2023/3                       |
| Mainland China | Aluminum Laminated Foil                      | KM <sup>2</sup> | 0               | 26,664    | 100       | 2021/11                      |
|                | PVC Decorative Film                          | KYD             | 19,200          | 12,000    | 63        | 2021/11                      |
|                | Copper Clad Laminate                         | KSH             | 44,400          | 13,200    | 30        | 2022/1                       |
|                | Prepreg                                      | KM              | 81,600          | 28,800    | 35        | 2022/1                       |
|                | Glass Fabrics                                | KM              | 324,000         | 90,600    | 28        | 2021/12                      |
|                | BPA  | KMT             | 186             | 170       | 91        | 2022/7                       |
| USA            | Flexible PVC Sheeting                        | KMT             | 48              | 14        | 29        | 2023/05                      |

Note: Annual capacity is the total product production capacity by region.



THE END

