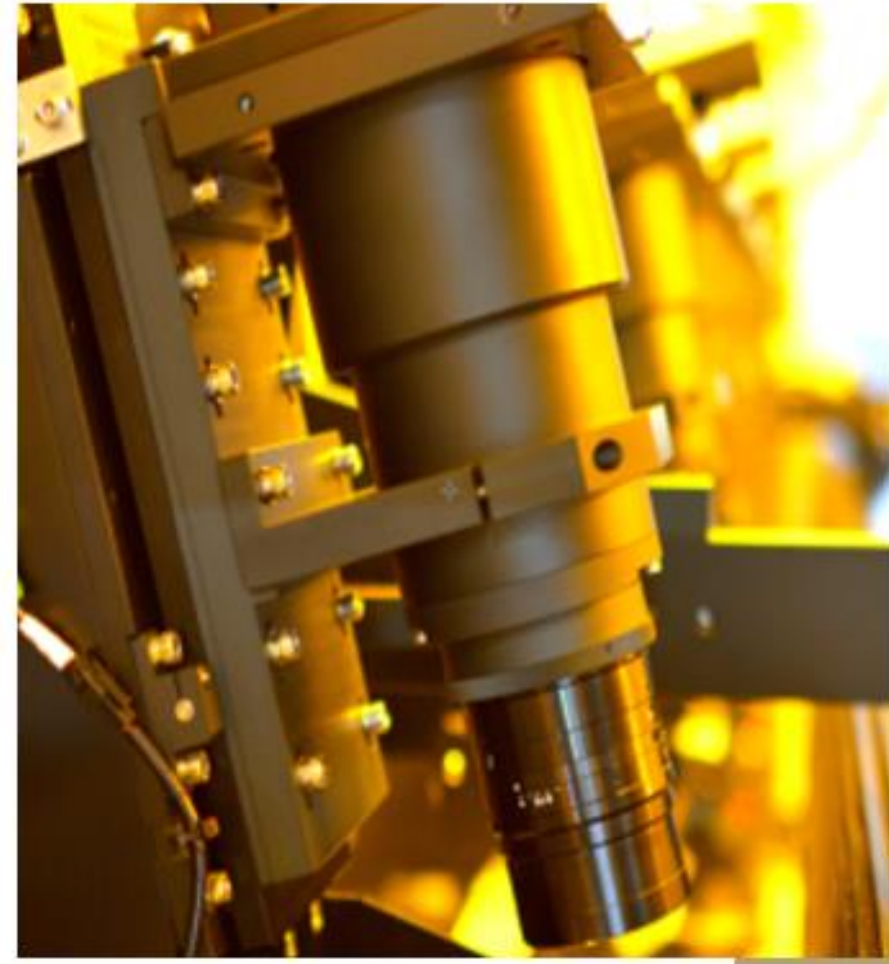
2022年法人說明會

股票代號：3535

晶彩科技

Your Favorite AOI



免責聲明

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1 公司簡介

2 財務報表摘要

3 營運重點

4 Q&A

1 公司簡介

公司簡介

- **Founded** 2000
- **IPO** 2008
- **Capital** NTD. 790 Million
- **Headquarter** Taiwan HsinChu
- **Employees** 260
- **Website** https://www.favite.com

2022
- Develop advanced PCB/IC Substrate **Cu plating pattern & fine line inspection** technology and provide One-stop **Micro LED AOI** products

2021
- Announced **AI real-time automatic inspection system** and introduced in well-known PCB and Micro LED pioneer manufacturers.

2020
- Released **Micro LED inspection**, successfully imported by well-known manufacturers.

2019
- Obtained the Ministry of Economic Affairs' leading academic program to develop **2um RDL ultra-fine circuit AOI applied to FOPLP**.

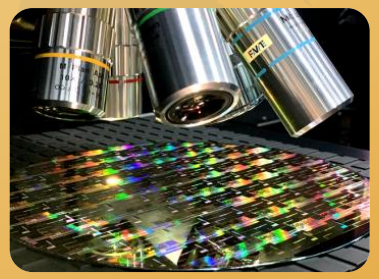
2017
- Stepping into SEMI industry, released **Glass Wafer AOI**, which was successfully introduced by a well-known domestic semiconductor factory.

2010
- Entered the China market and became a key AOI supplier for major panel makers (G4.5~G10.5) in the Greater China region.

2008
- Listed on the Taiwan Stock Exchange

2005
- Announced TFT-LCD **Array AOI**, successively introduced and used by major panel manufacturers.

2000
- Established in the Entrepreneurship Training Center of ITRI



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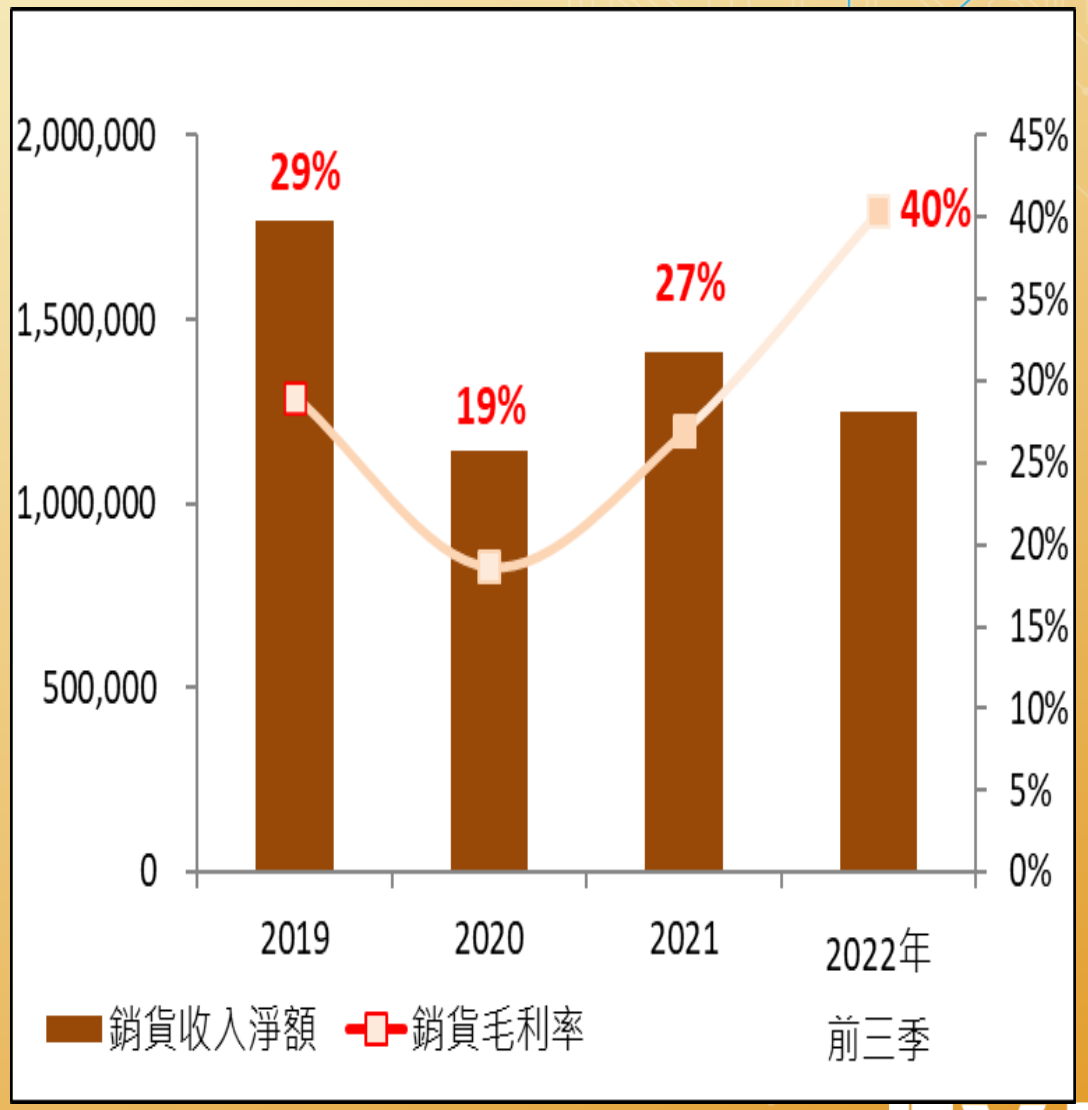
2 財務報表摘要

111第3季財務報告 合併損益比較

單位:新台幣仟元，除每股盈餘為新台幣元

	2022年 前三季	2021年 前三季	YoY
銷貨收入淨額	1,252,079	1,019,694	23%
銷貨毛利率	40%	27%	48%
營業利益	194,721	73,754	164%
營業淨利率	16%	7%	129%
營業外收入及支出	128,209	(20,044)	-740%
歸屬予母公司業主之本期淨利	274,883	49,962	450%
純益率	22%	5%	340%
每股盈餘	3.48	0.63	452%
權益報酬率(%)	25%	6%	317%



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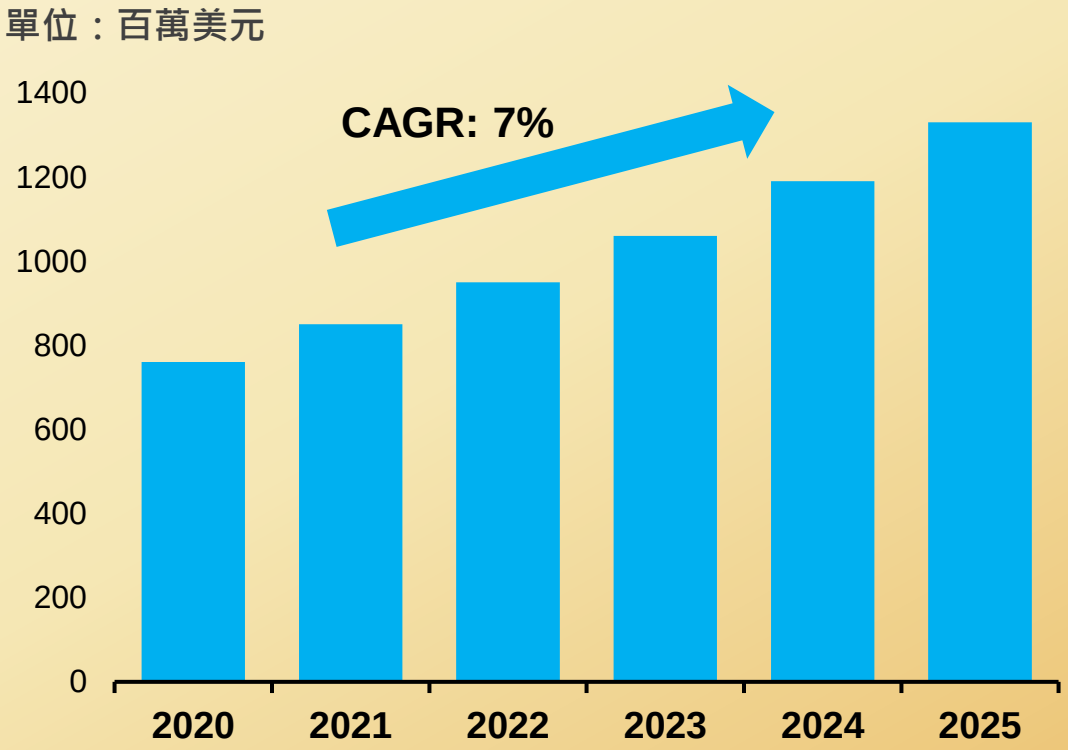
3 營運重點

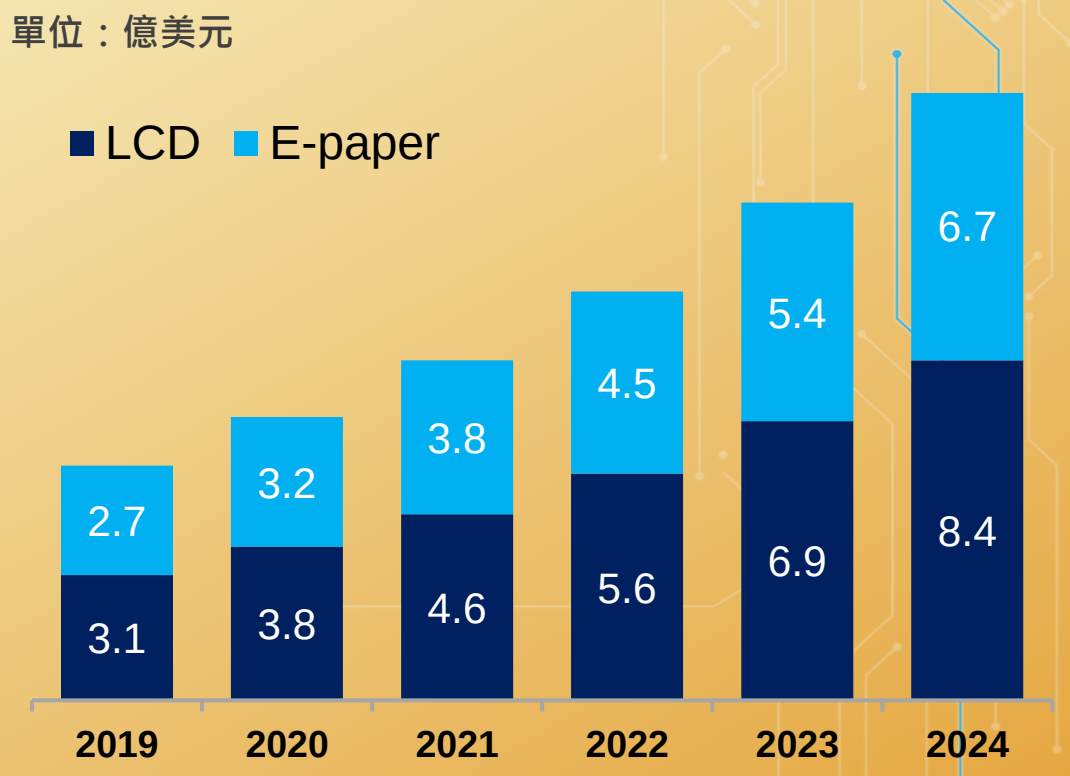
營運重點 – 電子紙顯示器產值與市場規模

EPD 產值規模



Source : 360 Research、Collaborator; predicted by FAVITE

LCD & E-paper 市場規模預測



Source : Mordor、Global market insight、 Collaborator; data summarized and predicted by FAVITE

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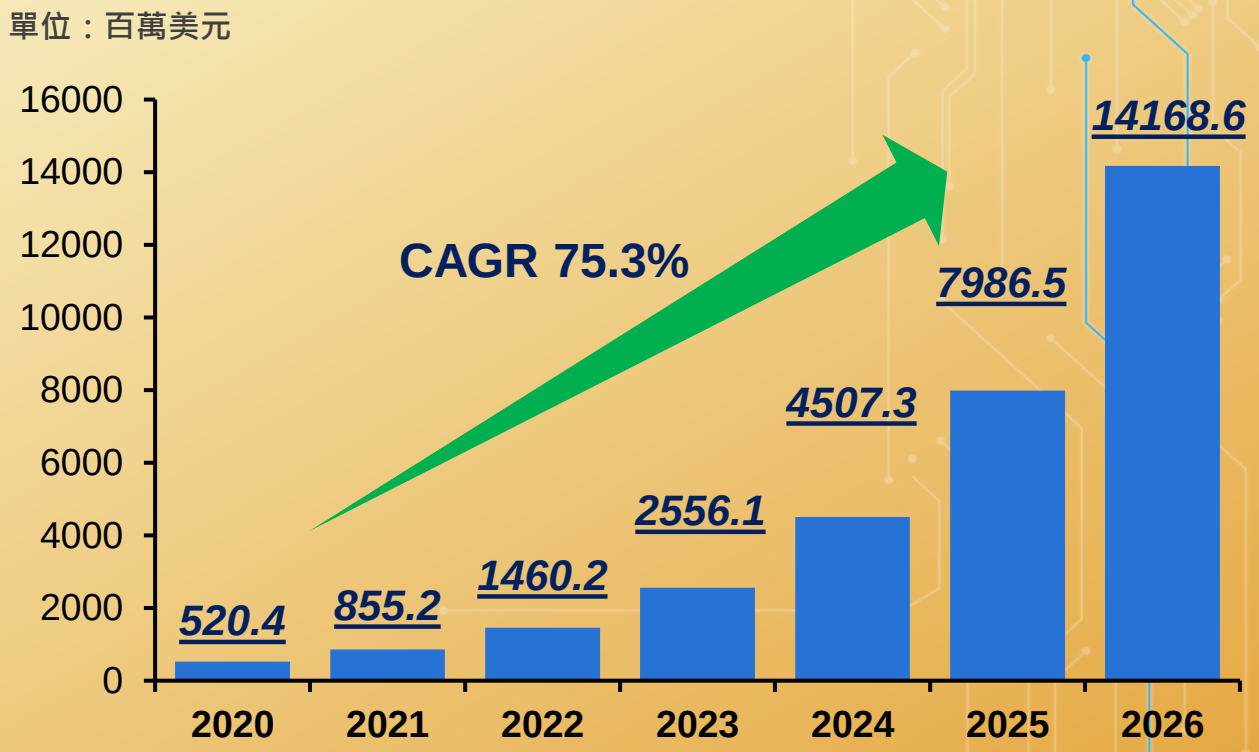
營運重點 – Micro LED市場規模及趨勢

市場規模的驅動力：

- 移動設備、智能手錶和 AR/VR 產品對更亮、更節能的顯示面板的需求不斷增長
- Micro LED 的亮度提升、功耗降低、色彩飽和度增強、超高清畫質和更快的響應時間
- 主要消費電子巨頭對採用 micro-LED 技術的興趣日益濃厚。例如，三星 “The Wall”是重點產品之一。

Micro LED 市場規模, 2020-2026



Source : Stratview Research; data summarized and predicted by FAVITE

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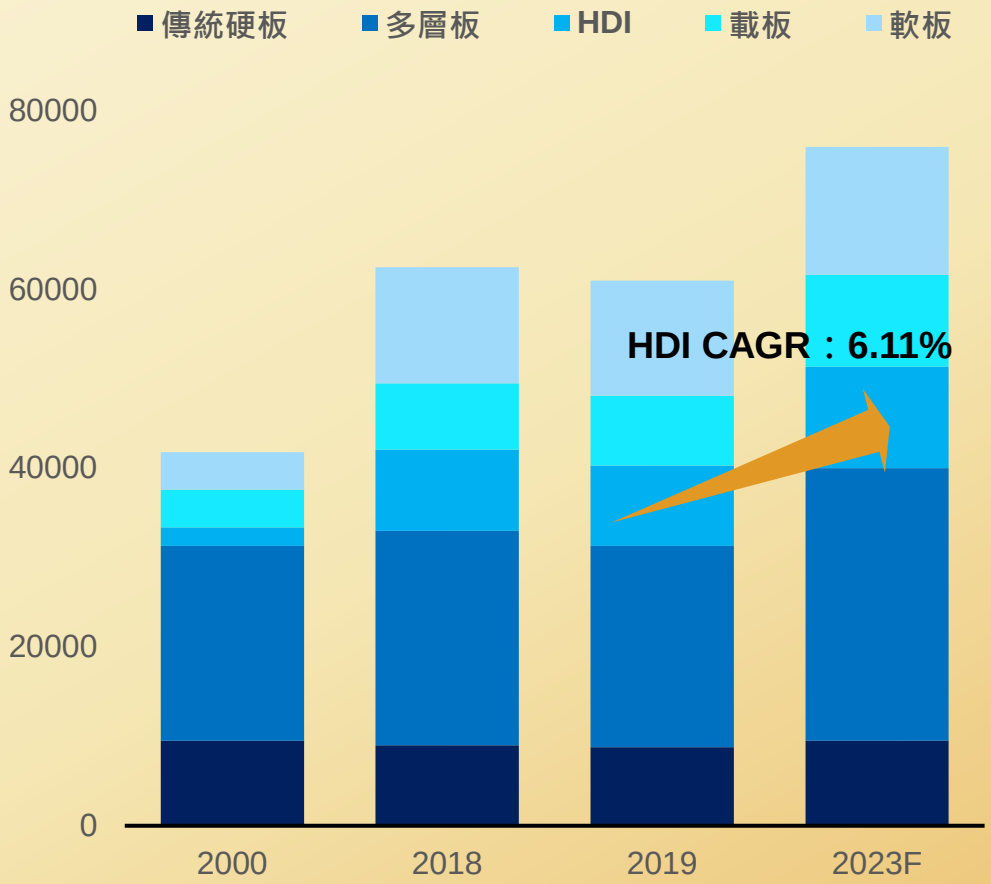
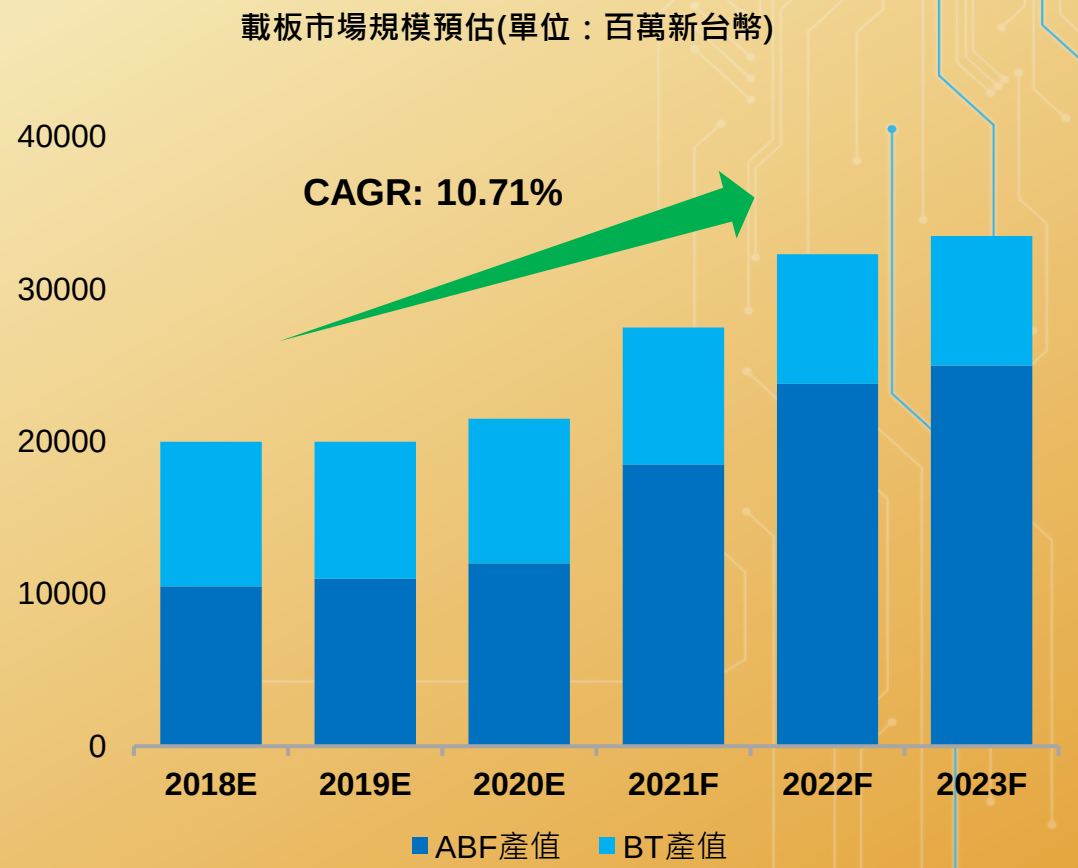
營運重點 –全球PCB/IC載板市場規模及趨勢



Source：PCB信息網/國商電子， data summarized and predicted by FAVITE



Source：Collaborator， data summarized and predicted by FAVITE

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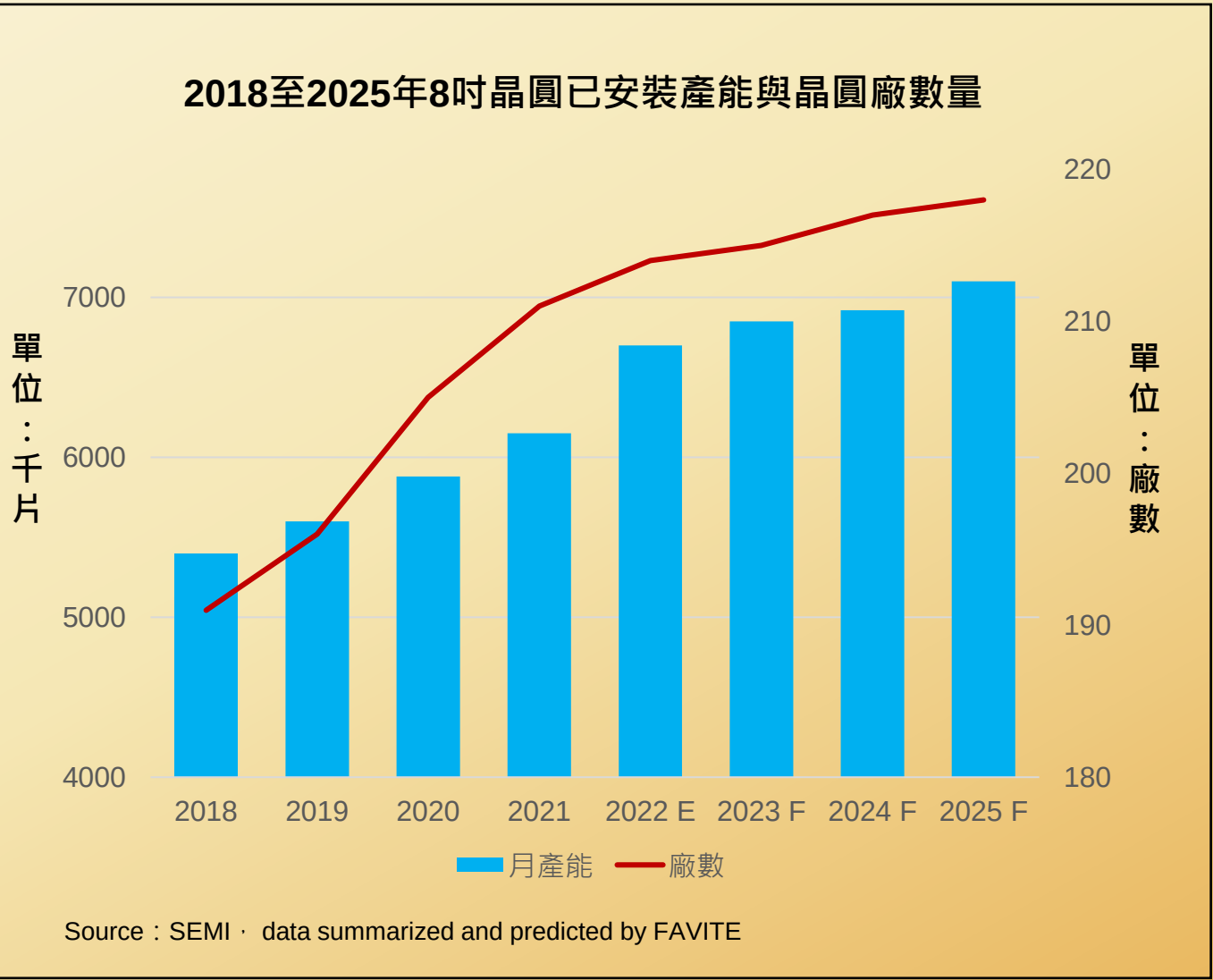
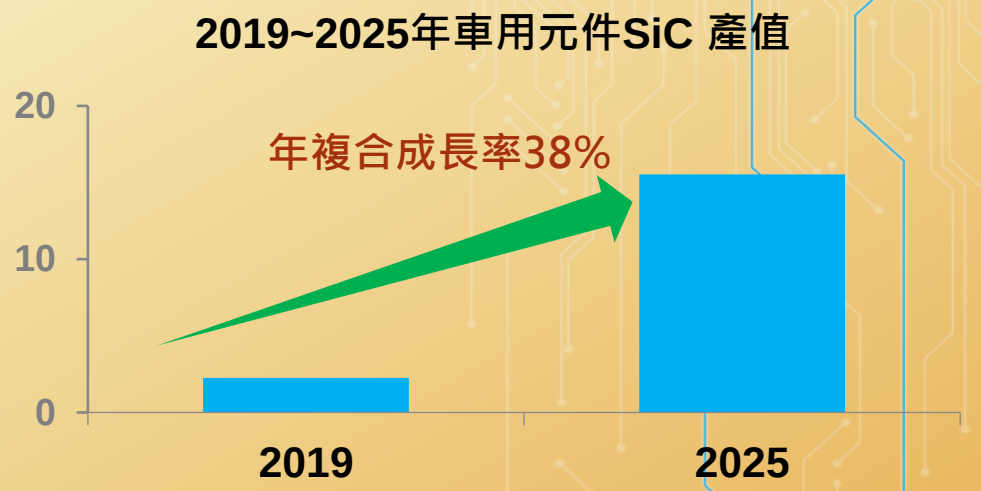
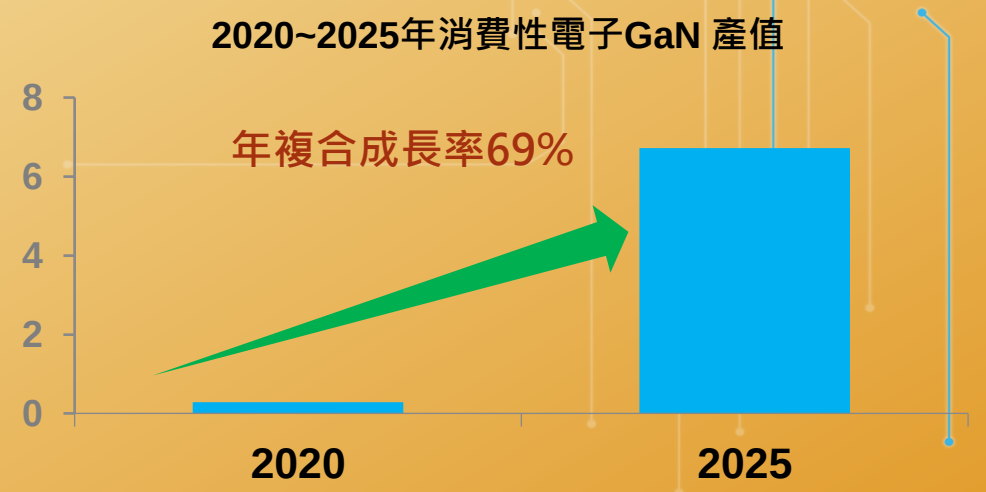
營運重點 – 8吋晶圓與化合物半導體設備市場規模及趨勢



Source：SEMI， data summarized and predicted by FAVITE



Source：Yole， data summarized and predicted by FAVITE



Source：Yole， data summarized and predicted by FAVITE

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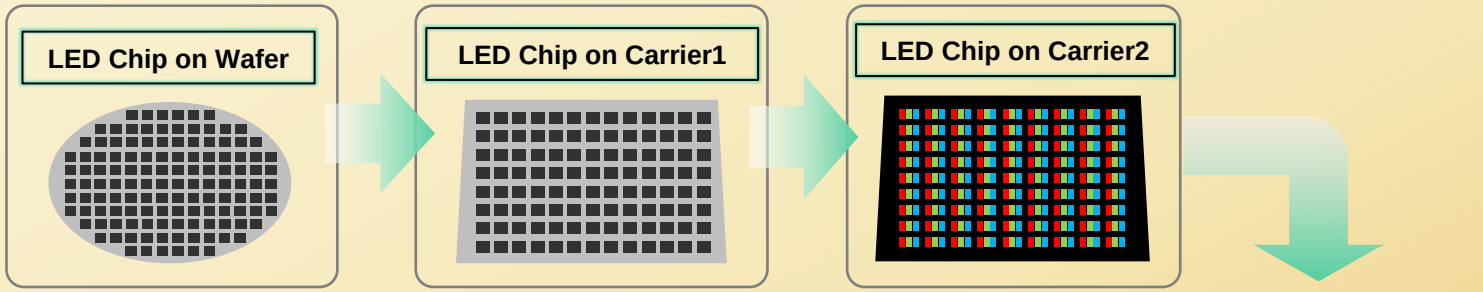
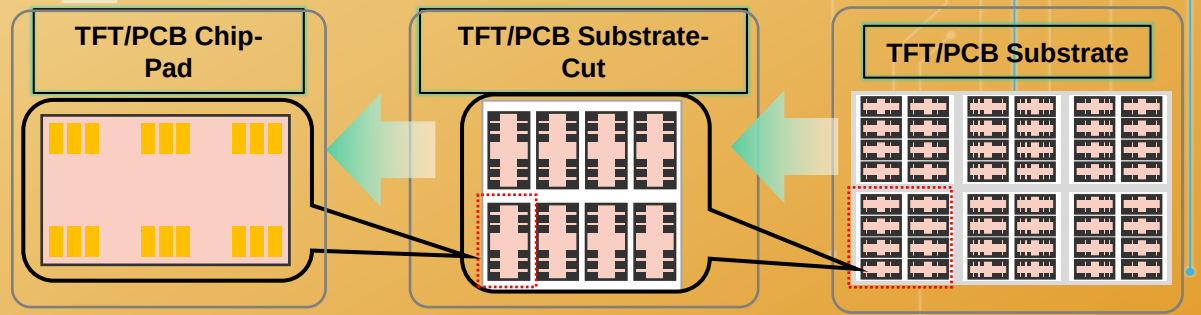
營運重點 – Mini/Micro LED AOI Series





Highlights and Opportunities

- Favite microLED COW/COC/Panel AOI have been used in manufacture. .
- FPD makers aggressive on microLED Demo/Production line development.
- Total quality solution provider: not only for mass transfer process but also for light-on inspection / adjustment.

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營運重點 –8”Wafer AOI/AI OM

Applications

• Wafer surface inspection/OQC I IC chip shift/rotate/tilt detection & metrology

Features

• AI defect inspection & classification ; High-resolution review of defect image

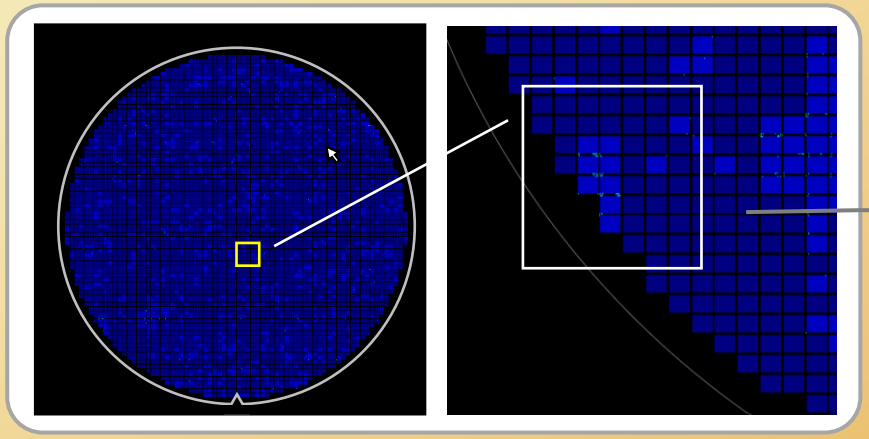
• Handling of FOUP, FOSB and open cassette

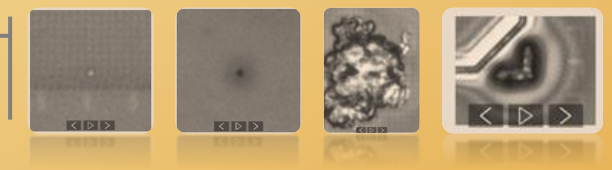
Highlights and Opportunities

• 6 / 8 inch Wafer AOI demands still strong, especially in…

➢ New Application: Compound Semiconductor

➢ Mature Fab expansion: Cost down





AI Real Time Inspection & Defect Classification

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營運重點 – E-Paper AOI

Applications

- E-paper pattern/Metal coating film on substrate inspection

Features

- Brand new & advanced algorithm
- High throughput & high resolution detection
- Yield management system：SPC analysis；Defect overlap mapping；offline defect judgement；

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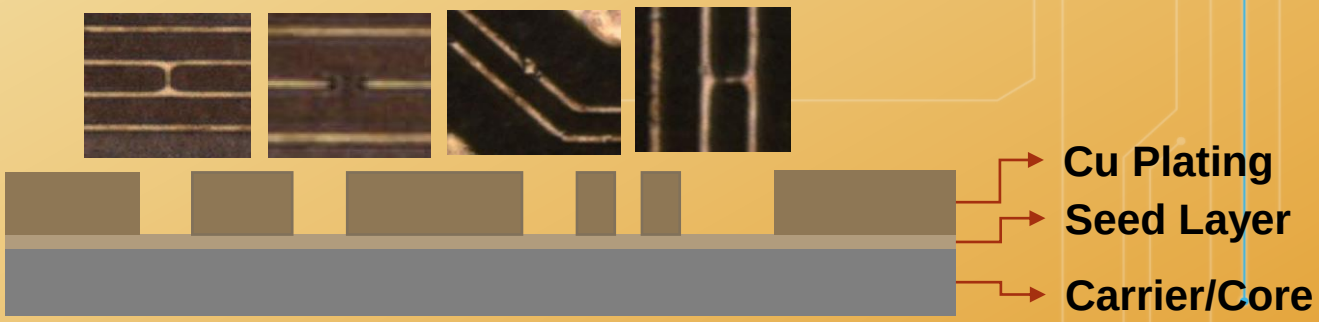
營運重點 – HDI/IC Substrate/ETS 電鍍銅線路缺檢查機

Applications

- Plating pattern inspection before flash etch in SAP/mSAP/ amSAP process

Features

- Brand new & advanced AI real time inspection. Data rate > 50 FPS
- Maximum detection(open/short/dent) & lowest false alarm rate
- High resolution detection



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