



AP Systems Investor Relations 2025



CREATING VALUE THROUGH TECHNOLOGIES



Contents

- I. Company Introduction
- II. The New AP Systems
- III. Financials
- IV. Business Detail



I. Company Introduction

- Company Overview
- Growth History
- Global Network and Facilities
- Major Customers

Company Overview

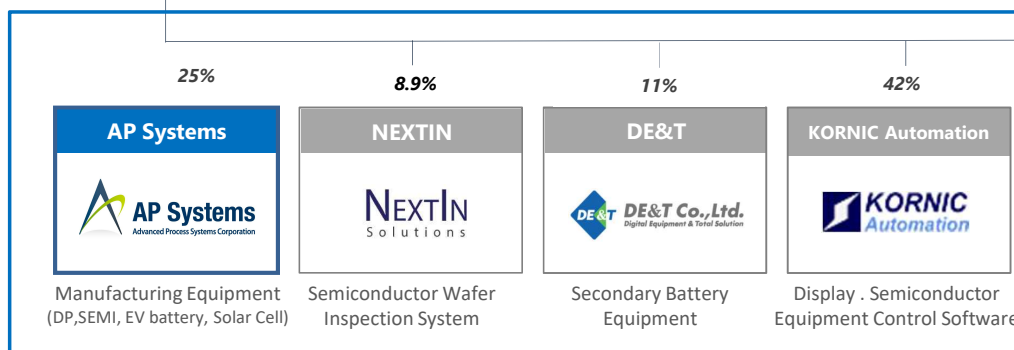


Corporate Structure



Founder : Ki Ro Jung
 - former researcher of Electronics and Telecommunication Research Institute
 - owns 32.3% shares of APS

KOSDAQ Listed Company



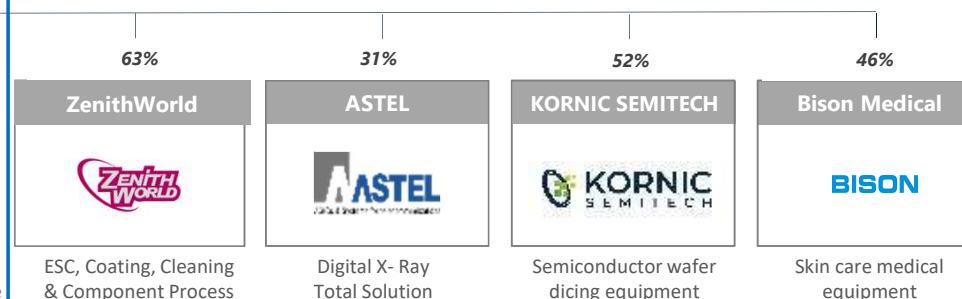
KOSDAQ Listed Company

Organization



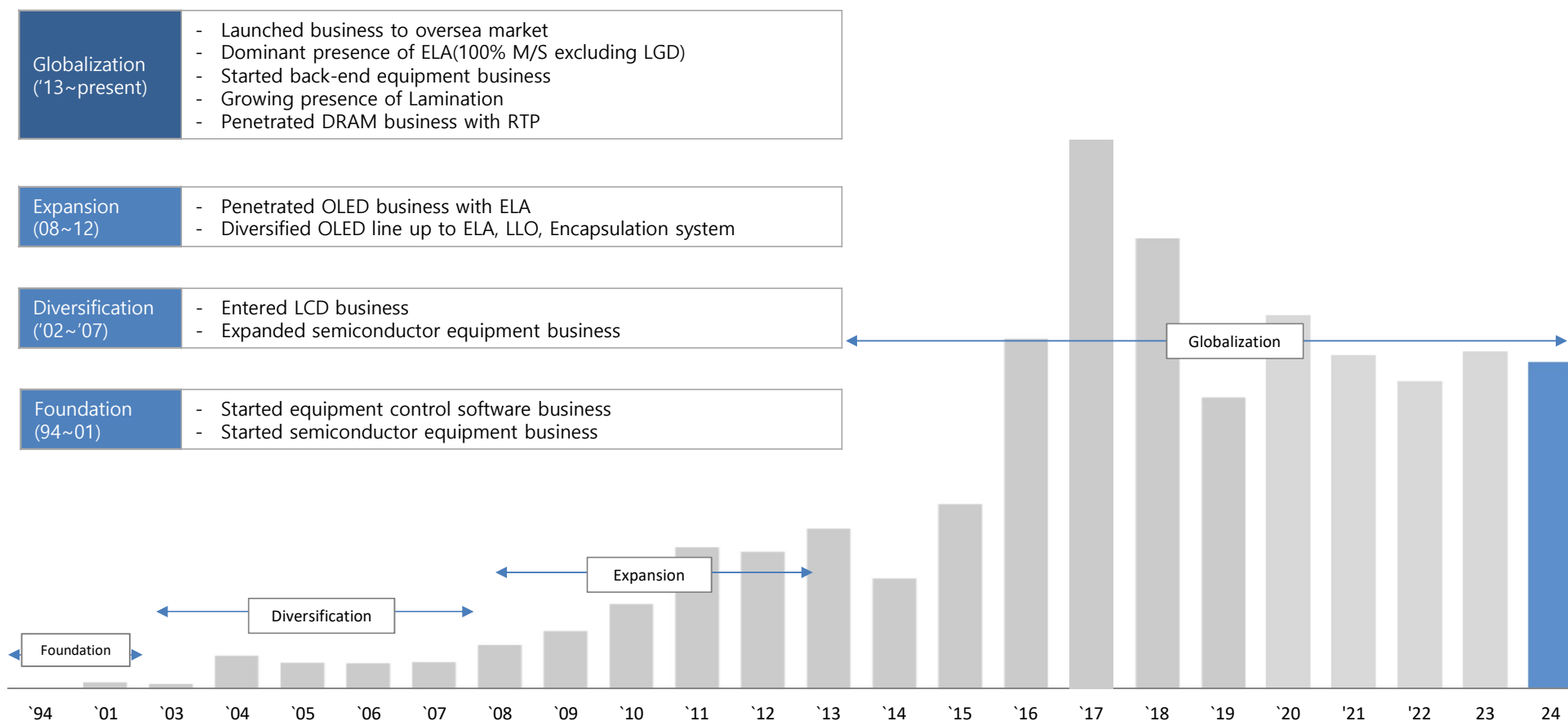
CEO : Yoo Ho Sun

- Established in 1994
 - Paid in capital : KRW 7.6 billion
 - No. of Employees : 580
- Locations: Headquarters: South Korea (Dongtan)
 Fab: South Korea (Dongtan, Balan, Cheonan)
 Overseas: China (Shanghai), Vietnam (Hanoi),
 USA (Georgia)



*AP Systems has 10.4% shares of DE&T Co.,Ltd and 9.3% of NEXTIN Inc.

Growth History



* Chart : Annual revenue

Global Network and Facilities



- Headquarters
- CS Center

APS China

Est. 2013
> Shanghai Office
> CS Centers

APS Vietnam

Est. 2016
> Hanoi Office
> CS Centers

APSYSTEMS AMERICA

Est. 2024
> Georgia Office
> CS Centers

AP Systems

Total Clean Room : 30,000m²



FAB 1 (Dongtan)

Clean Room: 5,200m²



FAB 2 (Dongtan2)

Clean Room: 4,800m²



FAB 3 (Cheonan)

Clean Room: 17,200m²



FAB 4 (Baran)

Clean Room: 2,800m²

❖ Total CAPEX capable of generating sales of \$1B

Major Customers



Semiconductor

Display

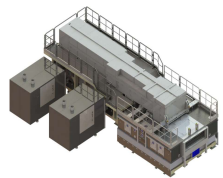
Renewable Energy



II. The New AP Systems

- Core Technologies
- Business & Products
- The Next Step

Core Technologies



Excimer Laser Annealing(ELA)

NEW



Laser Dicing

NEW



Laser Debonder



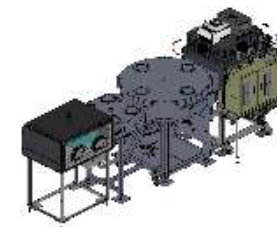
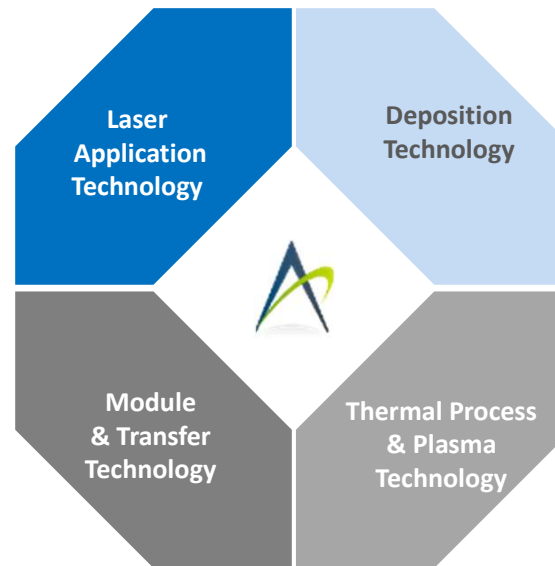
Module dispenser



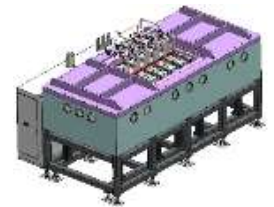
Module Laminating



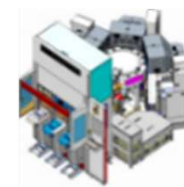
Inkjet Printer



Atomic Layer Deposition(ALD)



Sputter



Rapid Thermal Process(RTP)



Business & Products



SEMICONDUCTOR

Front-end



Rapid Thermal Process(RTP)

Back-end



Sputter



Laser Dicing



Laser De-bonder

OLED

Front-end



Excimer Laser Annealing(ELA)



Laser Lift-Off(LLO)



Encapsulation



Atomic Layer Deposition(ALD)

Back-end



Module Laminating



Module dispenser



Inkjet Printer

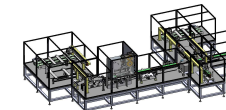
EV BATTERY



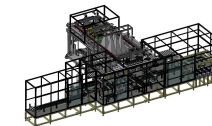
NG Sorter



Tray Washer



Cell Taping

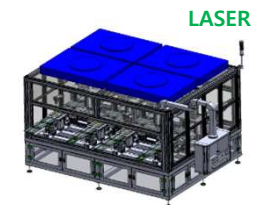


Cell Packing

SOLAR CELL

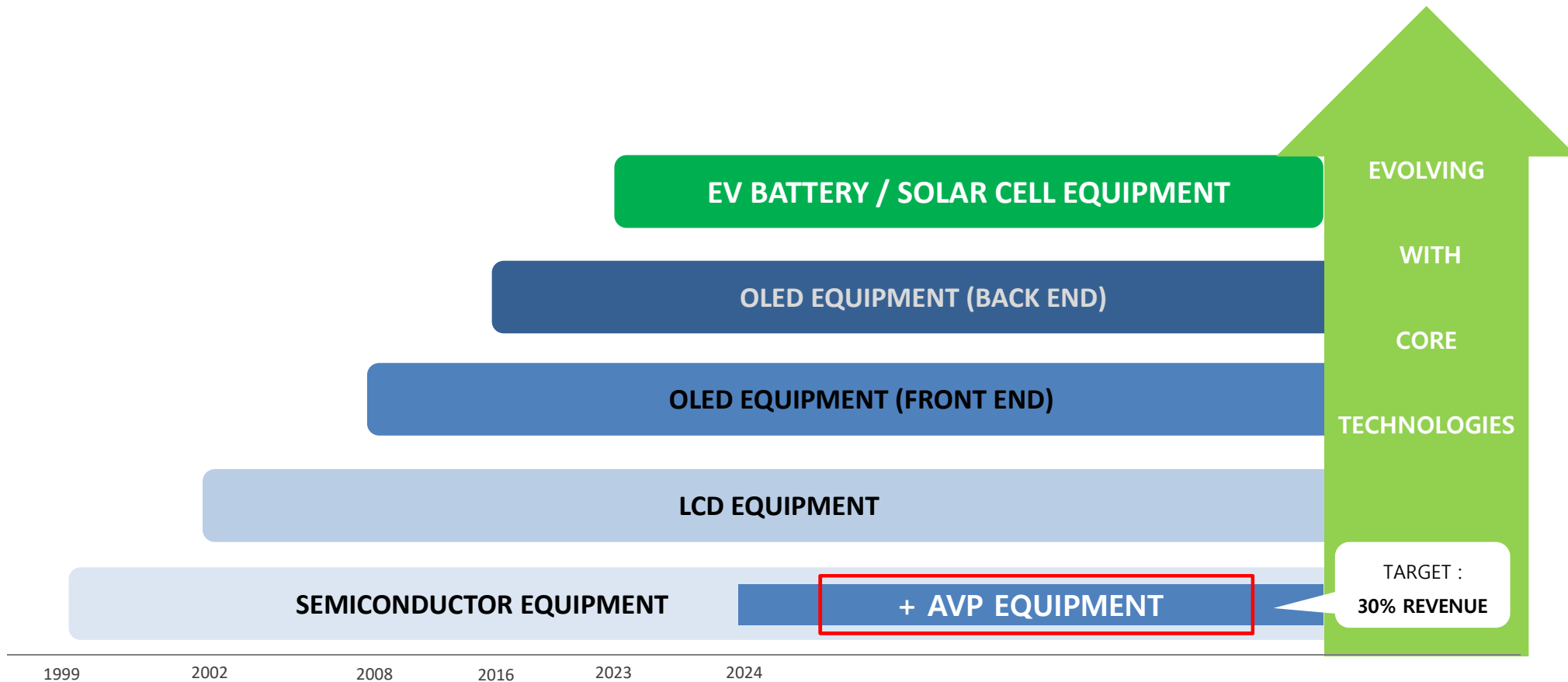


Laser Edge Isolation (LEI)



Laser Doped Selective Emitters(LDSE)

The Next Step





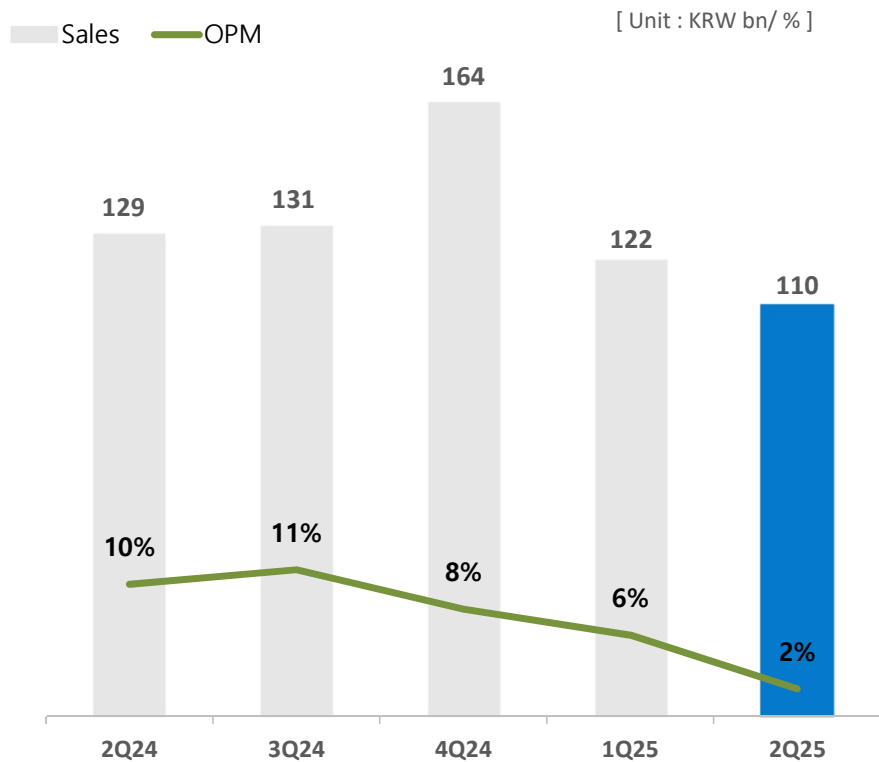
III. Financials

- Business Results : 2Q25
- Consolidated Financial Statements

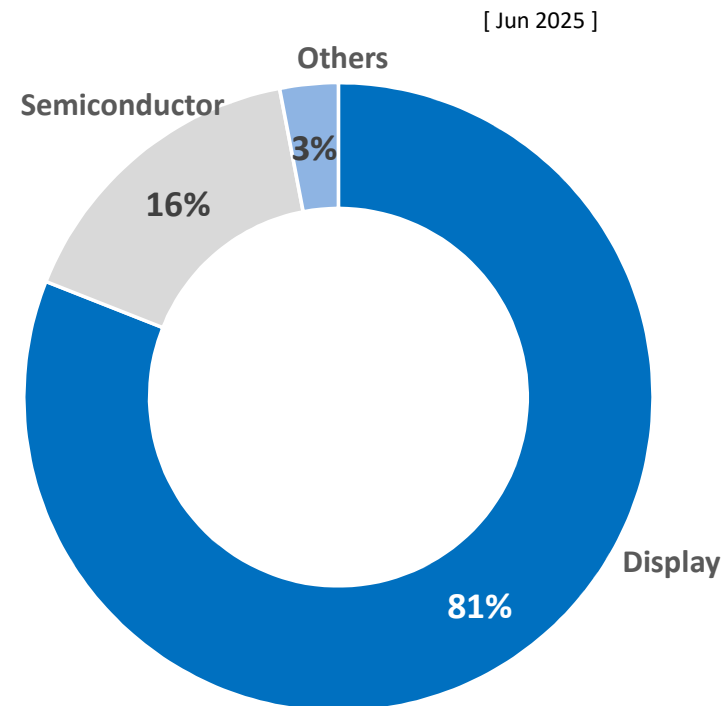
Business Results : 2Q25



Quarterly Revenue



Revenue Breakdown by Division



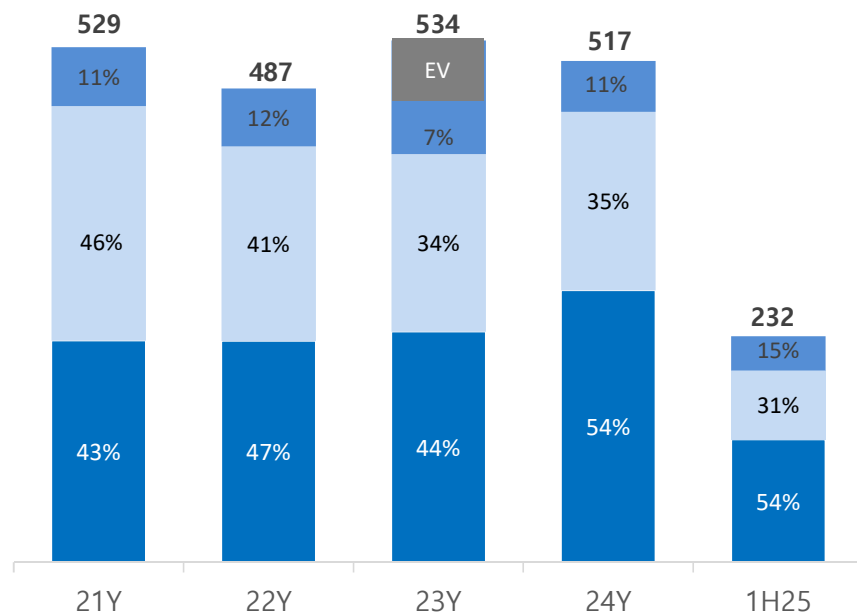
Business Results : 2Q25



Revenue Breakdown by Business Type

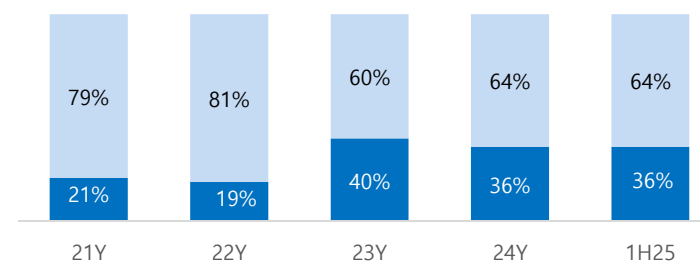
Unit : KRW bn

■ Equipment(SEMI) ■ Equipment(DP) ■ Parts



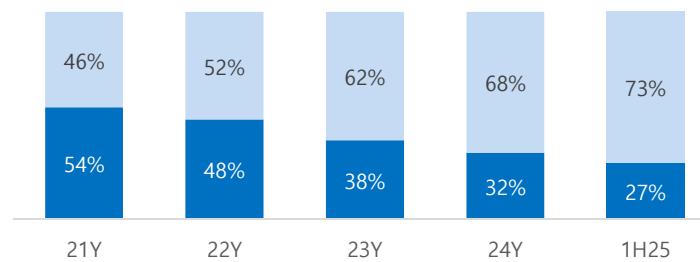
Equipment Revenue Ratio by Region

■ Domestic ■ Overseas



Parts Revenue Ratio by Region

■ Domestic ■ Overseas



Consolidated Financial Statements



Balance Sheet Summary

[Unit : KRW bn]	1H25	2024	2023	2022	2021
Current Assets	328	376	390	396	291
Non-current Assets	212	224	181	152	137
Total Assets	540	600	571	548	429
Current Liabilities	165	197	174	222	136
Non-current Liabilities	46	66	76	55	102
Total Liabilities	210	263	250	277	237
Current Ratio (%)	199%	191%	225%	178%	214%
Debt Ratio (%)	64%	78%	78%	103%	124%
Total Capital	330	337	321	270	192

Income Statement Summary

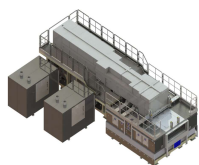
[Unit : KRW bn]	1H25	2024	2023	2022	2021
Revenue	232	517	534	487	529
Gross Profits	47	100	106	142	114
General Expenses	37	53	46	52	50
Operating Profits	10	47	60	90	64
OP Margin(%)	4.5%	9.1%	11.2%	18.6%	12.1%
Profits before Tax	-0.4	66	76	111	76
Net Profits	1	52	60	82	57



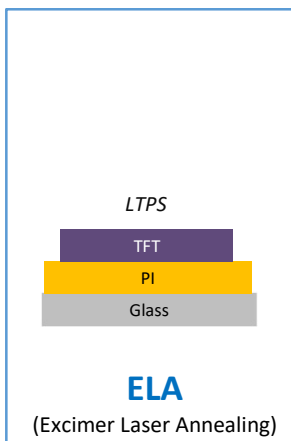
IV. Business Detail

- Display(OLED)
- Semiconductor

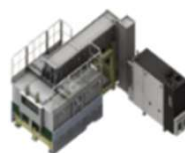
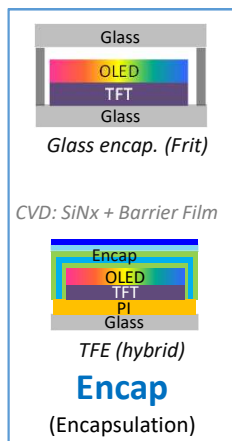
Product Line-up for Display(OLED)



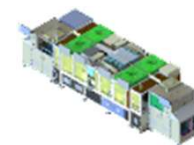
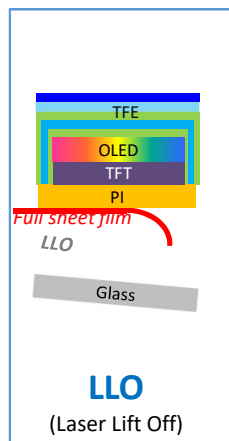
Excimer Laser Annealing



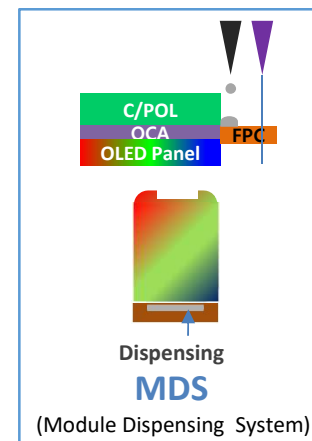
Encapsulation



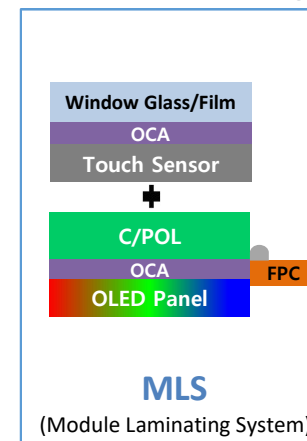
Laser Lift-Off



Module Dispensing



Module Laminating



Highlights : OLED

NOW



FRONT
END

ELA, LLO, Encapsulation

BACK
END

Laminating, Dispensing

More Demand



New Investment

&

Equipment / Parts ↑

FUTURE

Increase of OLED applications



ELA, LLO, Encapsulation + ALD

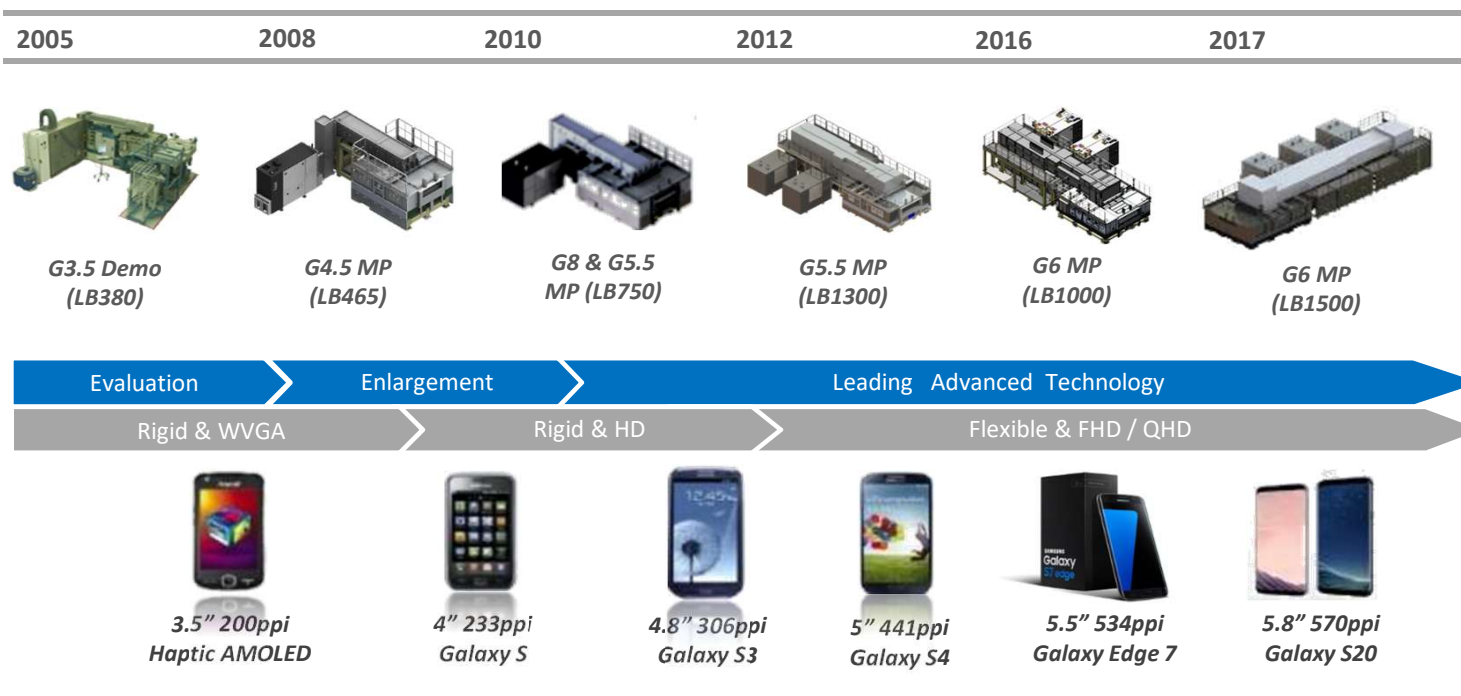
Laminating, Dispensing + OCR Inkjet Printer

Signature Equipment

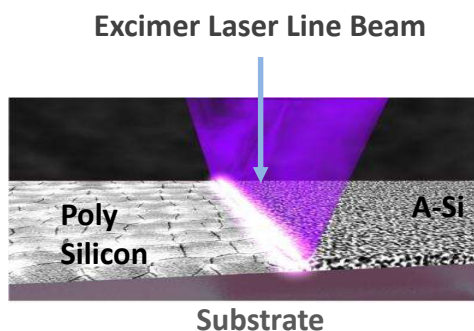
ELA (Excimer Laser Annealing)



AP Products



Customer Products

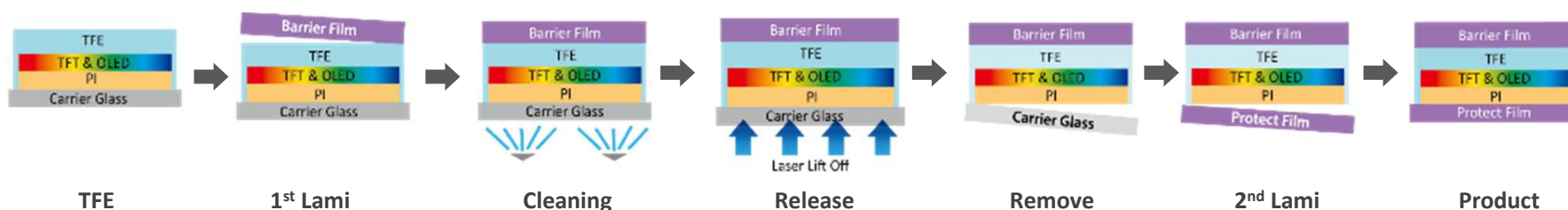


**More than 12 years experience in AMOLED*

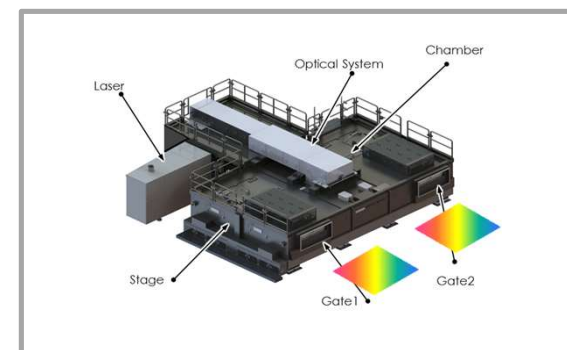
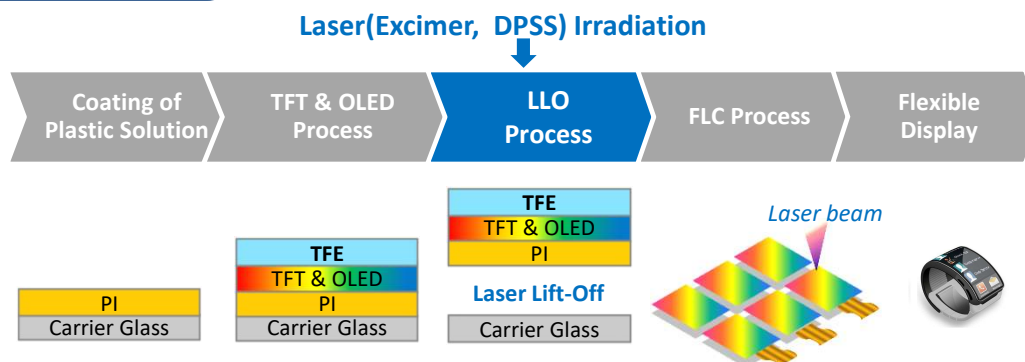
Signature Equipment

LLO (Laser Lift-Off)

Process

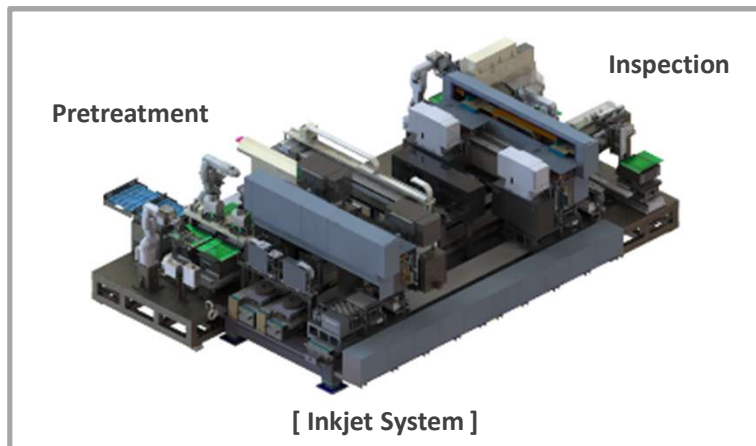


Structure



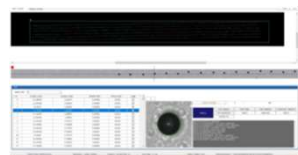
New Equipment

Module OCR IJP(Inkjet Printer)

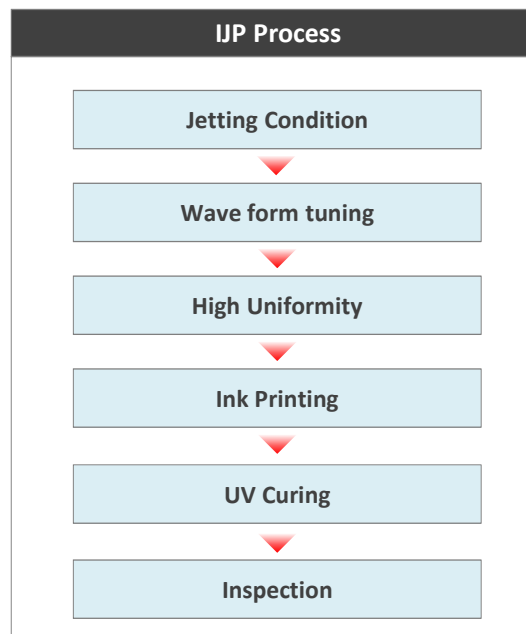


Advantage of APS' IJP

- High Performance Printing
- Easy User Interface
- Inspection : 2D , 3D , AOI
- Compact Equipment
- Best Maintenance

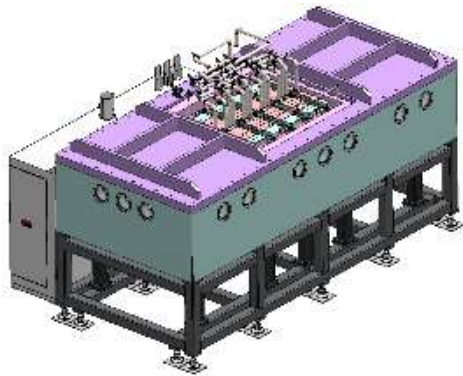


Technology



New Equipment

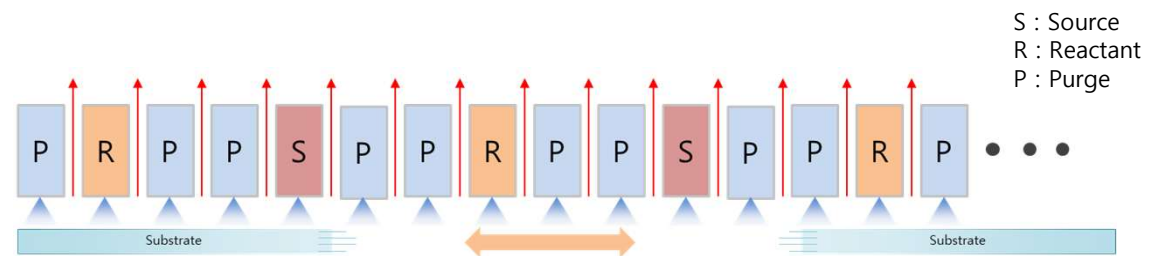
PEALD (Plasma Enhanced Atomic Layer Deposition) : M-type For 8.5G IT OLED



[M-ALD : Glass Moving]

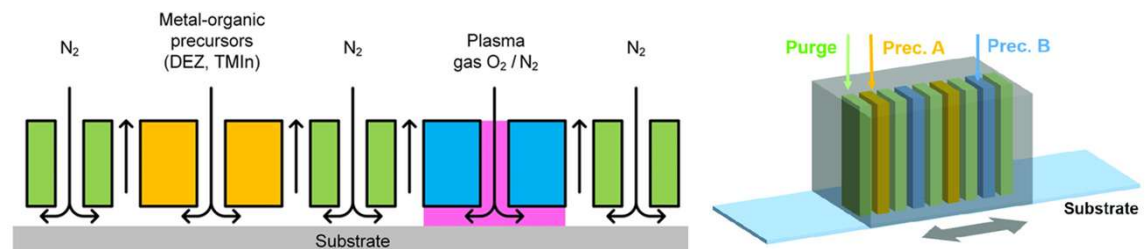
Technology

Rapid Deposition with Multiple linear nozzle & Glass moving



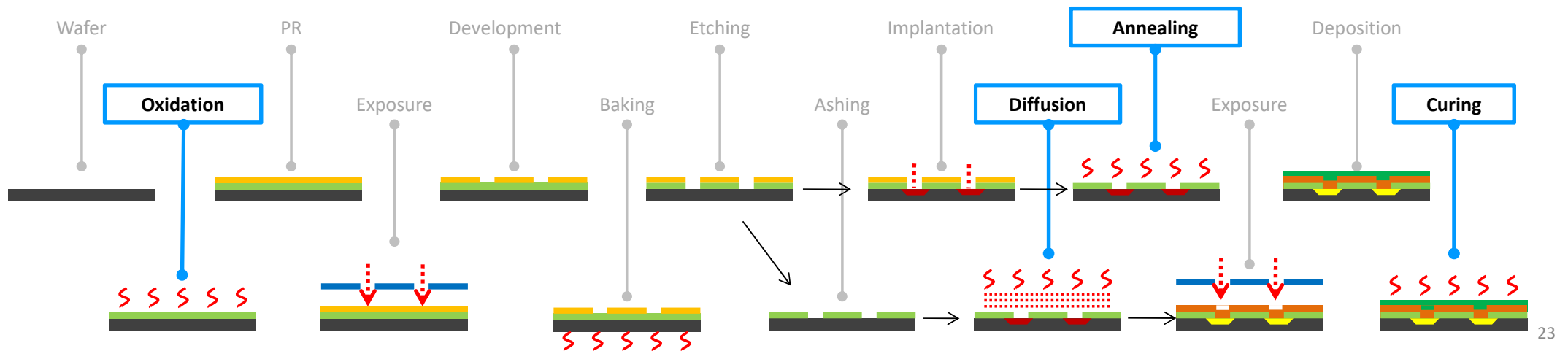
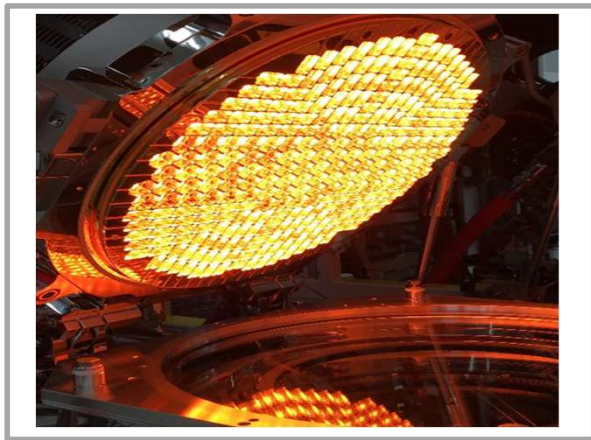
Space Divided ALD for Oxide TFT(IGZO)

- High deposition rate than Conventional ALD
→ Dep. Rate > 40Å/min
- Spatial separation of reaction, instead of time one
→ No intermixing of precursor and reactant



Signature Equipment

RTP (Rapid Thermal Process)





Thank you

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