

3Q21_Quarterly AMOLED Manufacturing Equipment Market tracker

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AMOLED Manufacturing Equipment Market Track

- 3Q21 Data Tables

> *Remarks*

> *Capacity_Q*

> *Average Sales Price of Equipments_Q*

> *Purchase Expense*

> *Forecast of Equipments Market*

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■ Average Sales Price of Equipments

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- > ASP of Equipments for Substrate
- > ASP of Equipments for TFT
- > ASP of Equipments for OLED
- > ASP of Equipments for Encapsulation
- > ASP of Equipments for Cell
- > ASP of Equipments for Module

*Touch screen equipment was excluded.

*The equipment market is assumed to occur at the time of evaporation equipment's order issuance.

*Based on Gen6 15K and Gen8.5 30K

> ASP of Equipments for Substrate

(US\$ million)

Layer	Equipment	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20	1Q21	2Q21
Substrate	AOI														
	Coater														
	Ellipsometer														
	HVCD														
	Oven														
	Particle counter														

> ASP of Equipments for TFT

(US\$ million)

Layer	Equipment	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20	1Q21	2Q21	
TFT	AOI															
	Array tester															
	a-step															
	CD															
	Chromaticity measurement															
	Cleaner															
	Coater															
	CVD Repair															
	DC tester															
	Developer															
	Dry etcher															
	E-BEAM review															
	ELA															
	ELA inspection															
	Ellipsometer															
	Furnace															
	Grinding Repair															
	Ion implanter															
	Laser CVD and cut repair															
	LOS															
	Oven															
	Particle counter															
	PECVD															
	Review Repair															
	Scanner															
	sheet resistance measurement															
	Slit Mura															
Sputter																
Stripper																
TP																
Wet etcher																
probe																

> ASP of Equipments for OLED

(US\$ million)

Layer	Equipment	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20	1Q21	2Q21
OLED	AOI														
	Baking chamber														
	Cleaner														
	Cooling chamber														
	Curing chamber														
	Ellipsometer														
	Evaporator														
	ICE														
	ICM														
	ICP														
	Ink-jet printer														
	Mask AOI														
	Mask tension														
	Particle counter														
	PT chamber														
	Halfcut														
	IR Oven														
	Mask repair														
Mask cleaner															
Mask inspection															

> ASP of Equipments for Encapsulation

(US\$ million)

그림 영역	Equipment	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20	1Q21	2Q21
Encapsulation	Aging														
	Aligner & Presser														
	AOI														
	Dispenser														
	Ellipsometer														
	Ink-jet printer														
	Laminator														
	Particle counter														
	PECVD														
	Transfer system														
Top laminator															



> ASP of Equipments for Cell

(US\$ million)

Layer	Equipment	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20	1Q21	2Q21	
Cell	Aging															
	Aligner & Presser															
	AOI															
	Cleaner															
	Edge grinder															
	Edge inspection															
	Laser CVD repair															
	LLO															
	probe															
	Scriber															
	visual inspection															
	Seal dispenser															
	UV curing															
Seal line inspection																



> ASP of Equipments for Module

(US\$ million)

Layer	Equipment	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20	1Q21	2Q21	
Module	Aging															
	AOI															
	Autoclave															
	Bezel printer															
	Cleaner															
	Cover window bonder															
	Inspection & Silicon Dispenser															
	PCB bonder															
	Polarizer attacher															
	TAB bonder															
Touch film attacher																
visual inspection																

■ Purchase Expense of Equipments_Quarterly

*Touch screen equipment was excluded.

*The equipment market is assumed to occur at the time of evaporation equipment's order issuance.

*Based on Gen6 15K and Gen8.5 30K

Nation	(All)	▼
Gen.	(All)	▼
Substrate type	(All)	▼
TFT	(All)	▼
OLED Method	(All)	▼
Encapsulation	(All)	▼
Layer	(All)	▼
Equipment type	(All)	▼
Equipment	(All)	▼

(US\$ million)

US\$ million														
Company	Sum of Sales_1Q18	Sum of Sales_2Q18	Sum of Sales_3Q18	Sum of Sales_4Q18	Sum of Sales_1Q19	Sum of Sales_2Q19	Sum of Sales_3Q19	Sum of Sales_4Q19	Sum of Sales_1Q20	Sum of Sales_2Q20	Sum of Sales_3Q20	Sum of Sales_4Q20	Sum of Sales_1Q21	Sum of Sales_2Q21
BOE														
CSOT														
Everdisplay														
HKC														
Japan Display														
JOLED														
LG Display														
Royole														
Samsung Display														
Tianma														
Truly														
Visionox														
Grand Total														

■ Purchase Expense of Equipments_Quarterly

*Touch screen equipment was excluded.

*The equipment market is assumed to occur at the time of evaporation equipment's order issuance.

*Based on Gen6 15K and Gen8.5 30K

Nation	(모두)	▼
Gen.	(모두)	▼
Substrate type	(모두)	▼
TFT	(모두)	▼
OLED Method	(모두)	▼
Encapsulation	(모두)	▼
Layer	(모두)	▼
Equipment type	(모두)	▼
Equipment	(모두)	▼

(US\$ million)

Company	US\$ million	Sum of Sales_2021	Sum of Sales_2022	Sum of Sales_2023
BOE	▼			
CSOT				
Everdisplay				
HKC				
Japan Display				
JOLED				
LG Display				
Royole				
Samsung Display				
Tianma				
Truly				
Visionox				
총합계				

CH