

PC/ LED/ IC 自動化設備
解決方案

AllRing Tech 萬潤科技簡介

Presented by Allring

關於我們

Establish

May 24. 1996

Chairman

Larry Lu

Capital

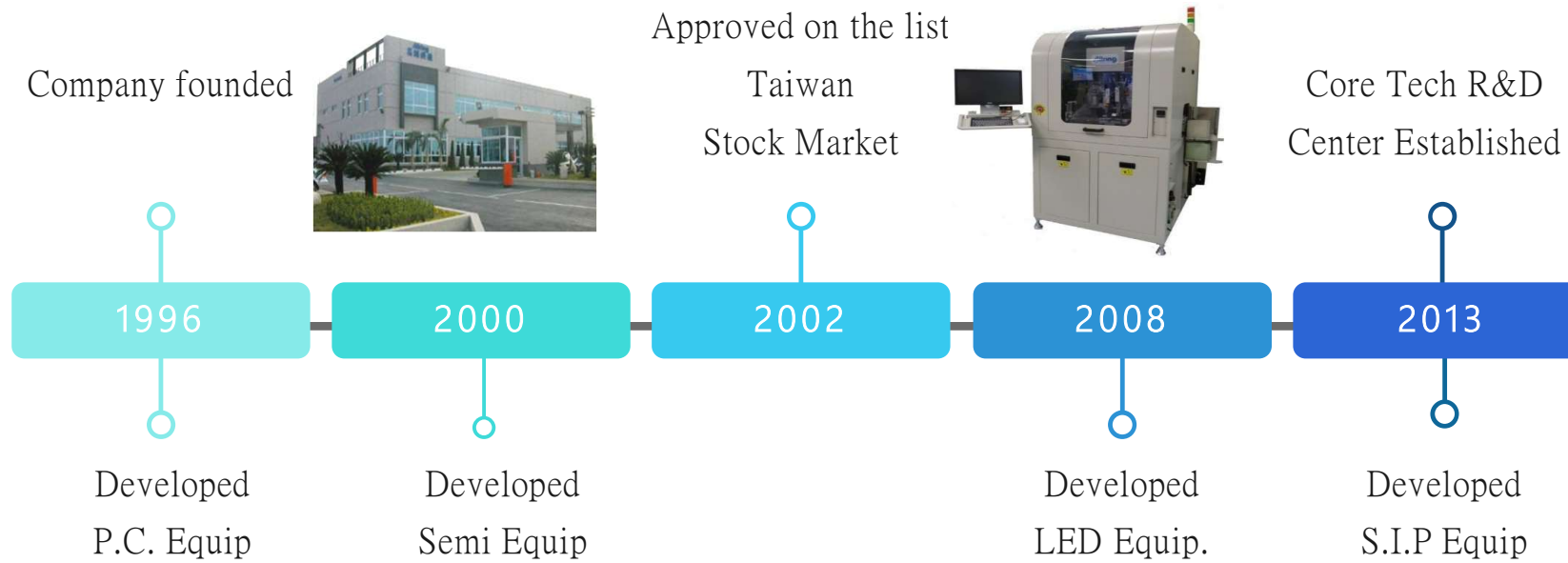
833 Million

Business

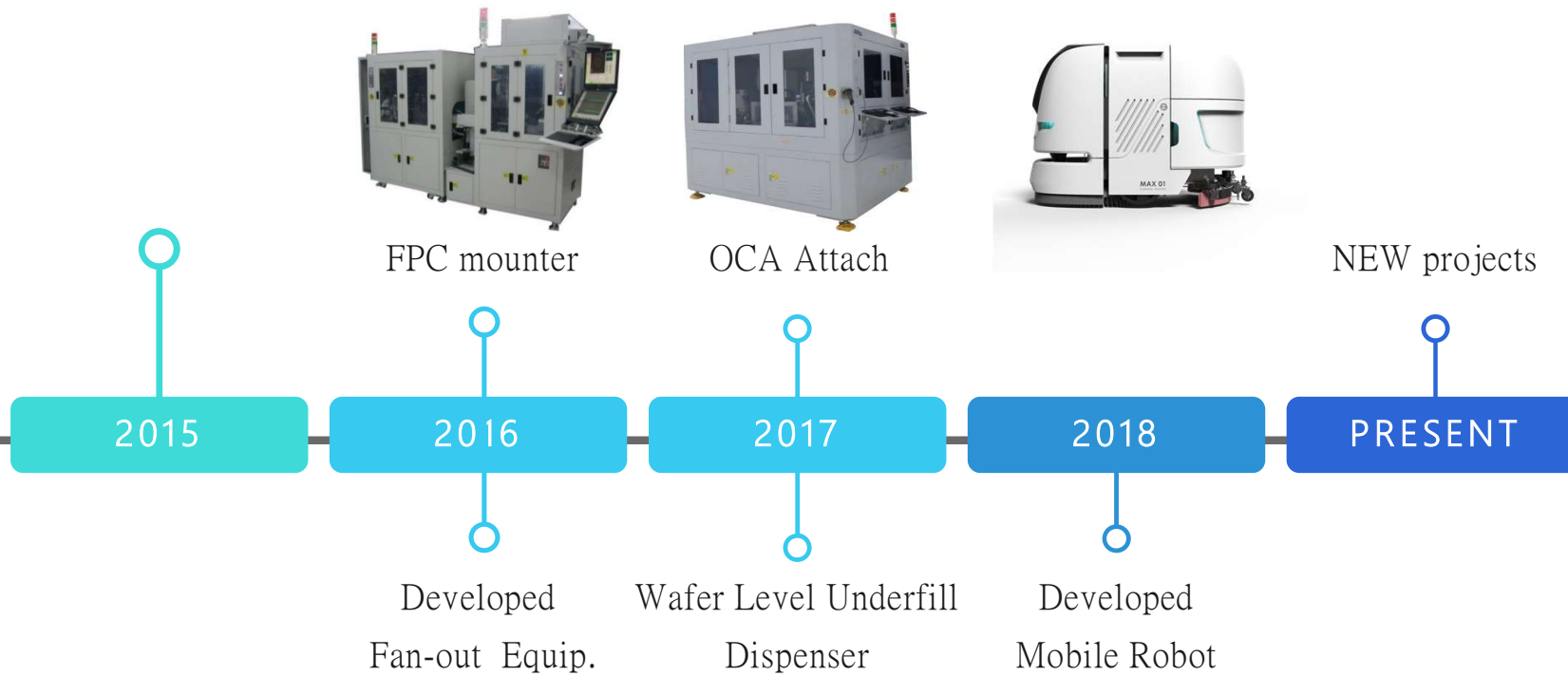
Automation equipment supplier for
Semiconductor test & package, Passive Component
manufacturing industries



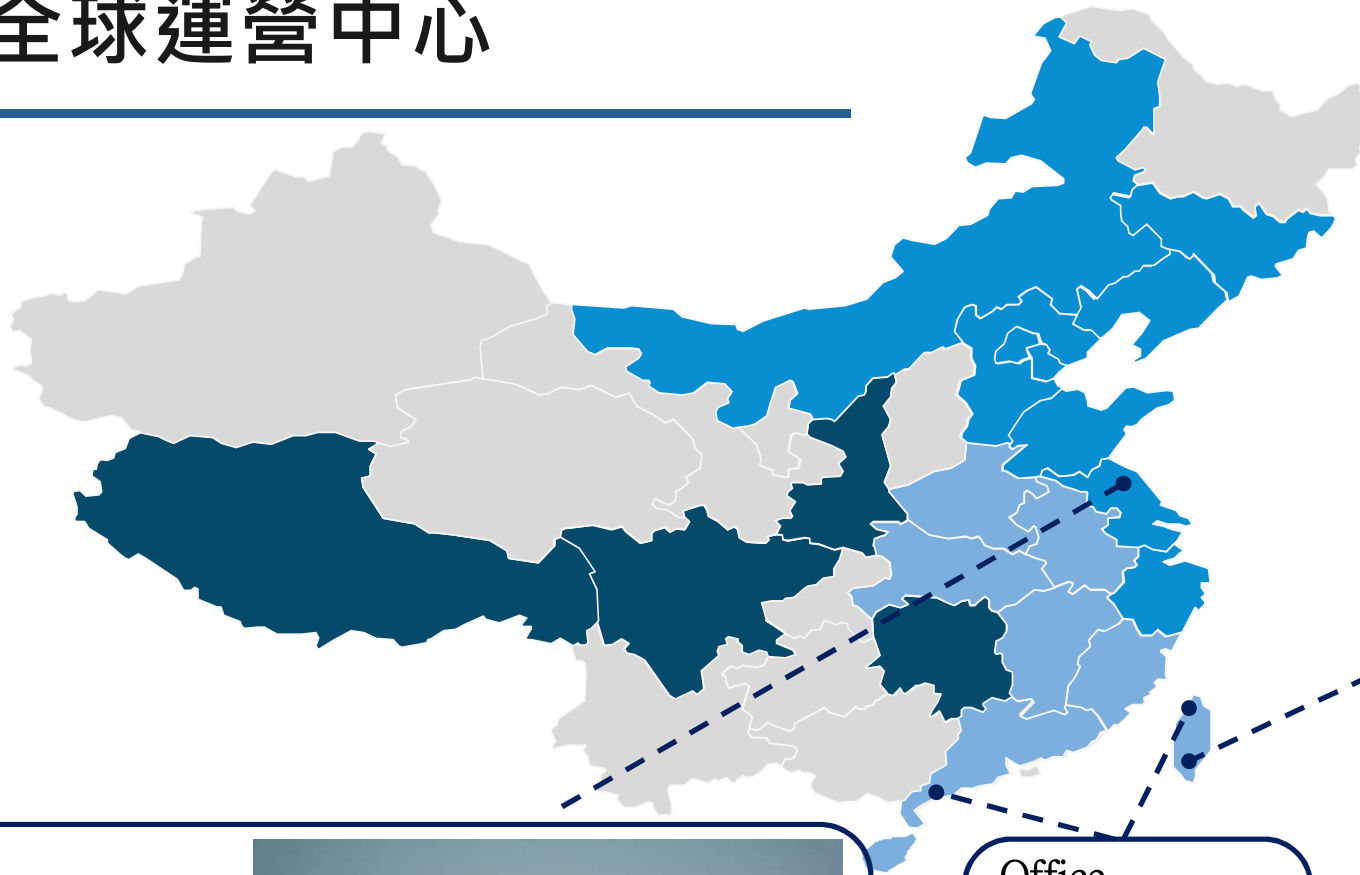
里程碑



里程碑



全球運營中心



Subsidiary

- ◆ Kunshan
- ◆ Jiangsu

Factory Area:
20,000 m²



Office

- ◆ Shenzhen
- ◆ Hsinchu
- ◆ Taichung

Headquarters

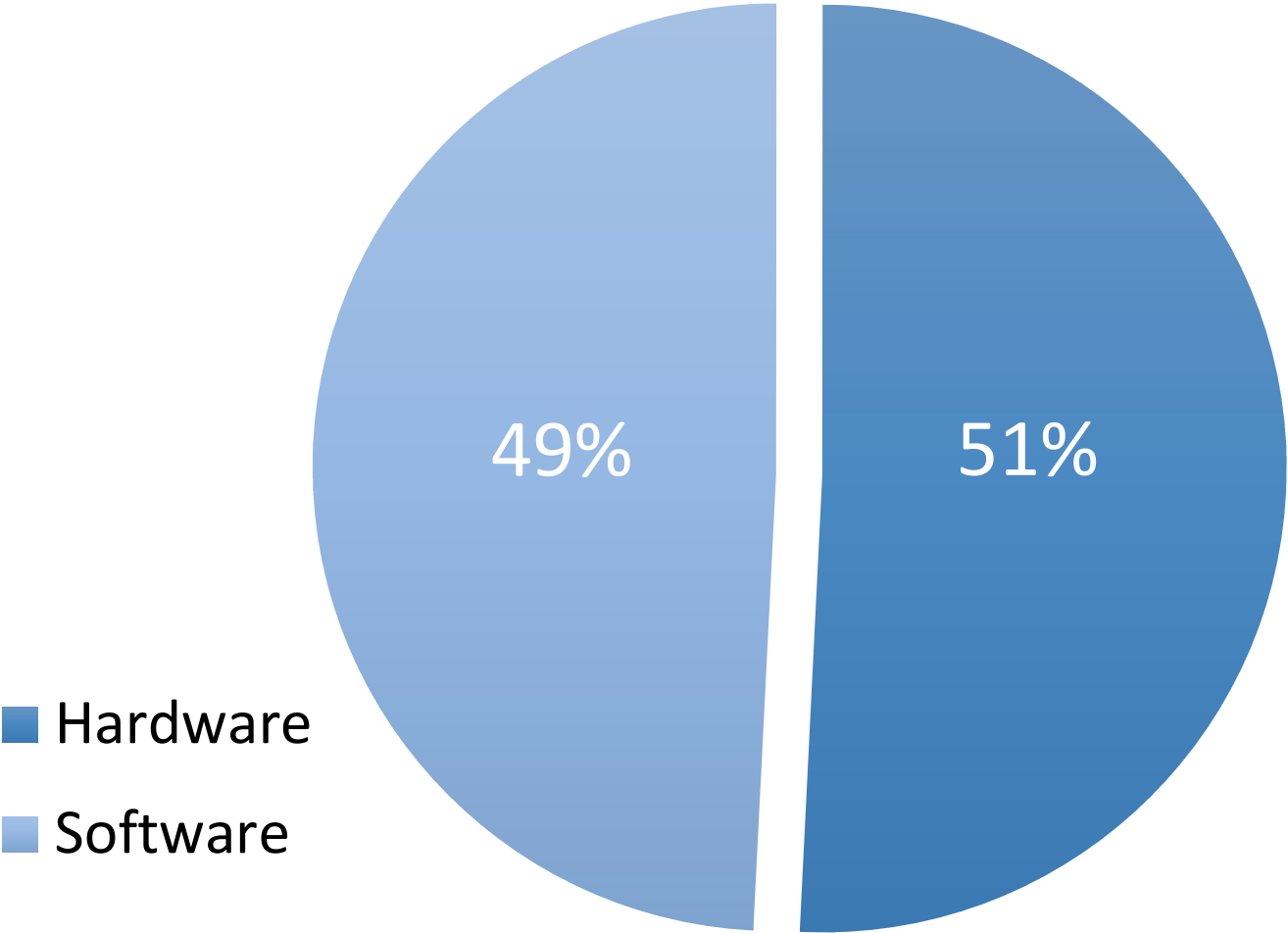
Kaohsiung/Taiwan
Factory Area: 27,000 m²



人力資源

70%
R&D

人力資源- R&D



產品線



Automation

Loader/ unloader
Carrier Transfer
Lane Change
Ball Mounter



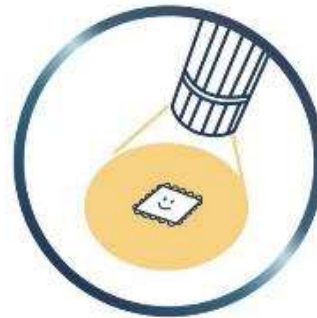
Attach

Flex
PSA
OCA
Film Tim
Metal Tim
PI Film



Dispenser

Underfill
Flux Jetting
Silver Paste
Heatsink



AOI

Post-Die Bond
Post-Dispenser
Post-Bumping
AOI and Sorting



PC/LED

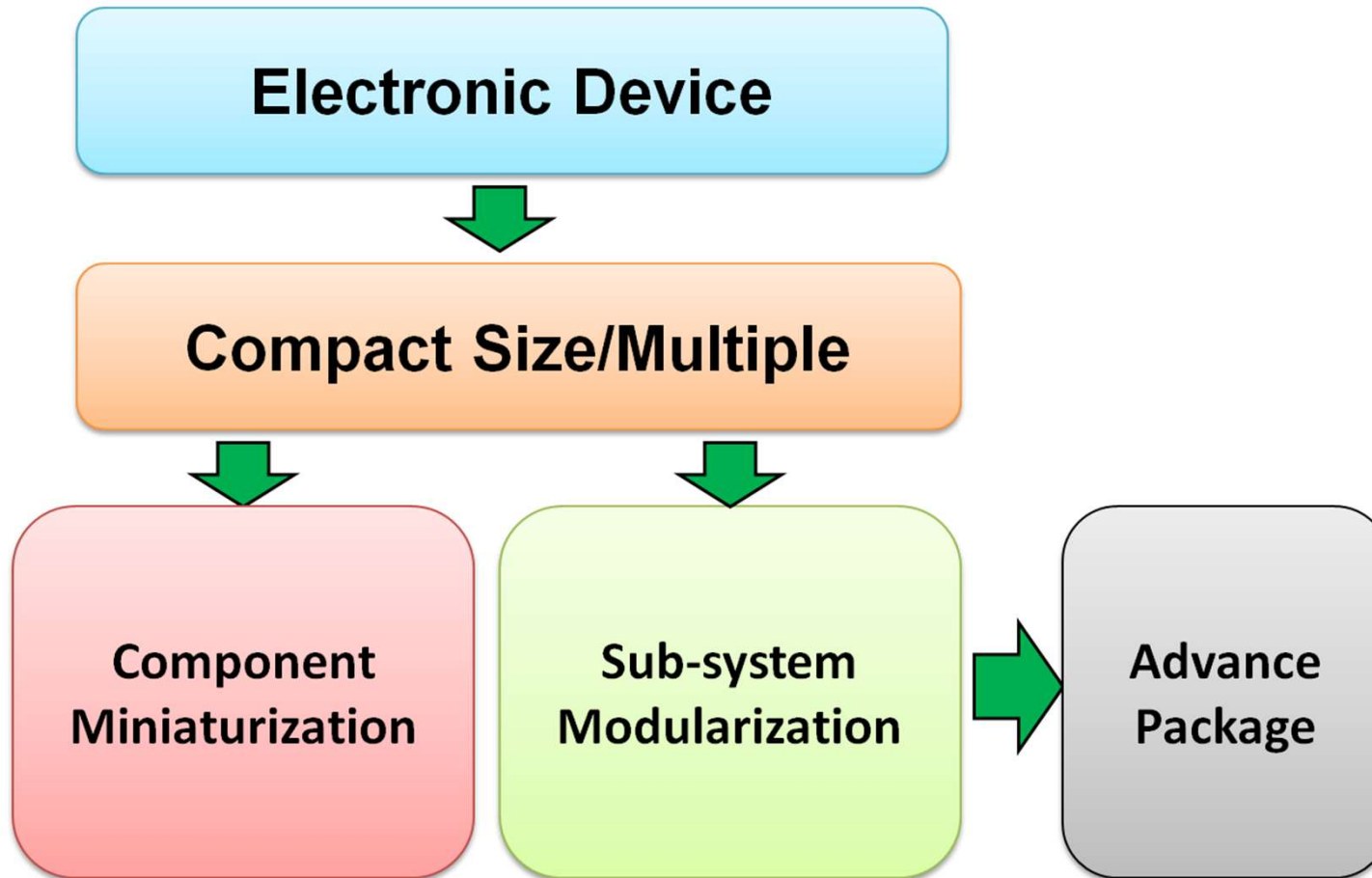
Cutting
Plating
Testing
Winding
Packing



Robotics

Cleaning Robot
Security Robot

產業趨勢



先進封裝

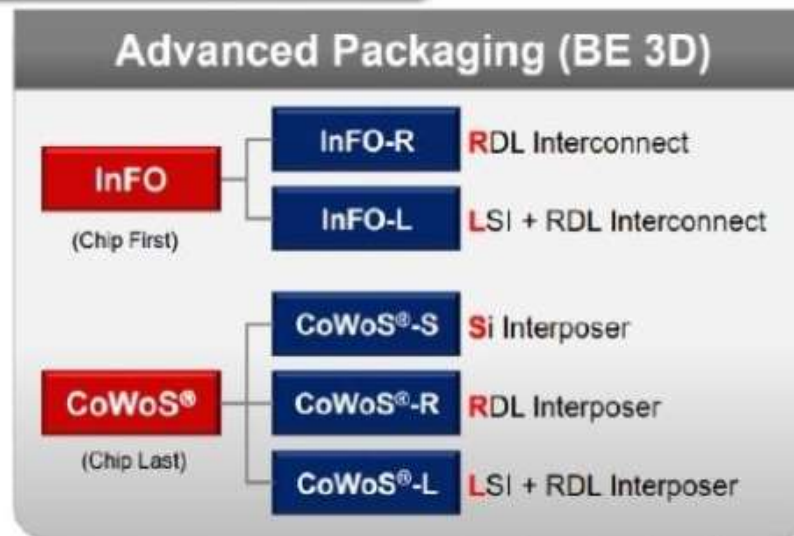
Packaging Type		Manufacturer		Application
SIP (system in package)	OSAT		ASE	Smart phone IoT Mobile
			USI	
	Module house		GIS	
			Luxshare	
	Component		AAC	
			AMS	
3D Package	InFO,CoWoS	Foundry	TSMC	Smart Phone IoT Mobile
	SoIC		TSMC	
Flip chip	2D/2.5D	OSAT	ASE	Smart Phone IoT Mobile
			Spil	
			Amkor	
			Chipbond	
			Powertech	

TSMC's 3D Fabric

TSMC 3DFabric™

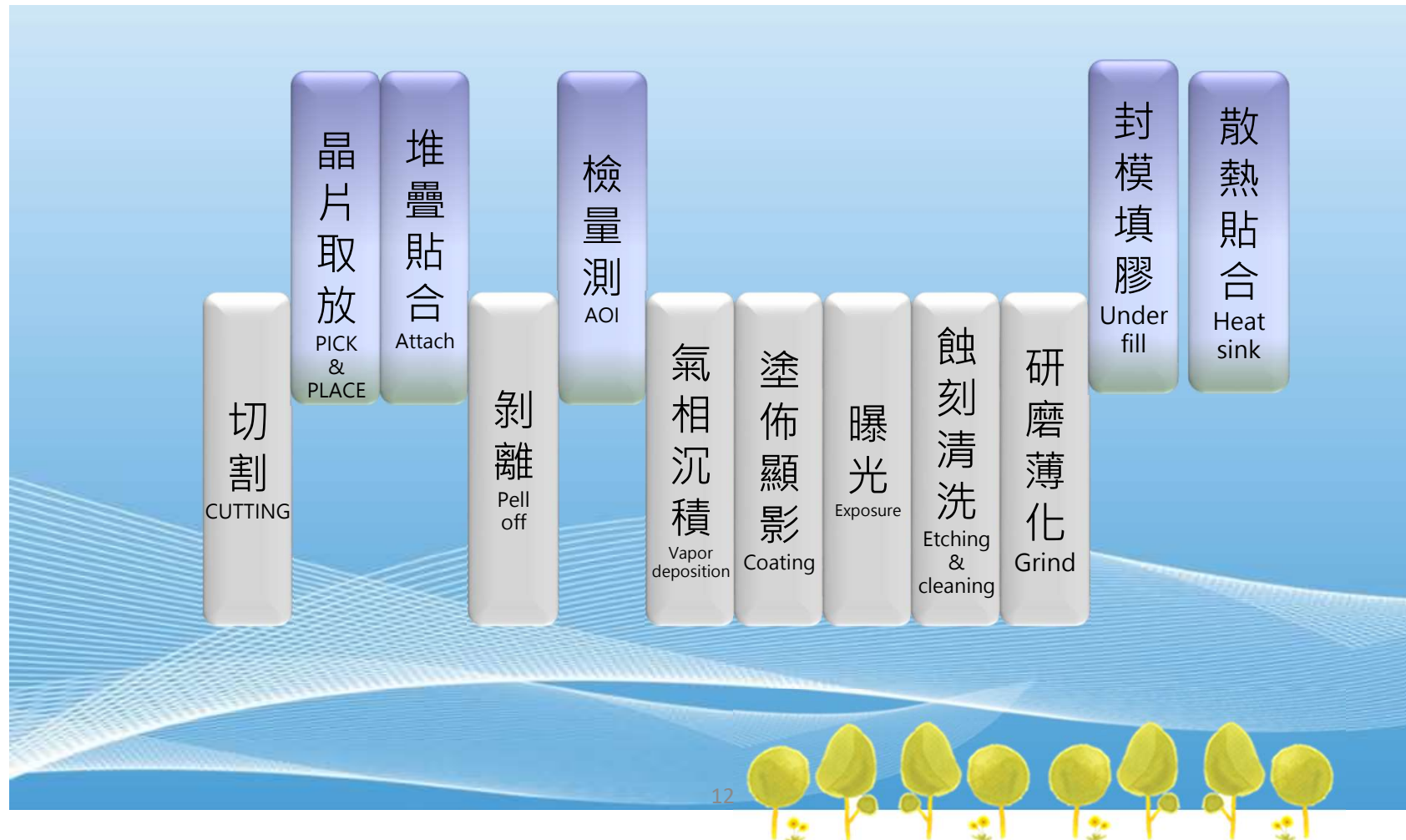


SoIC: System on Integrated Chips

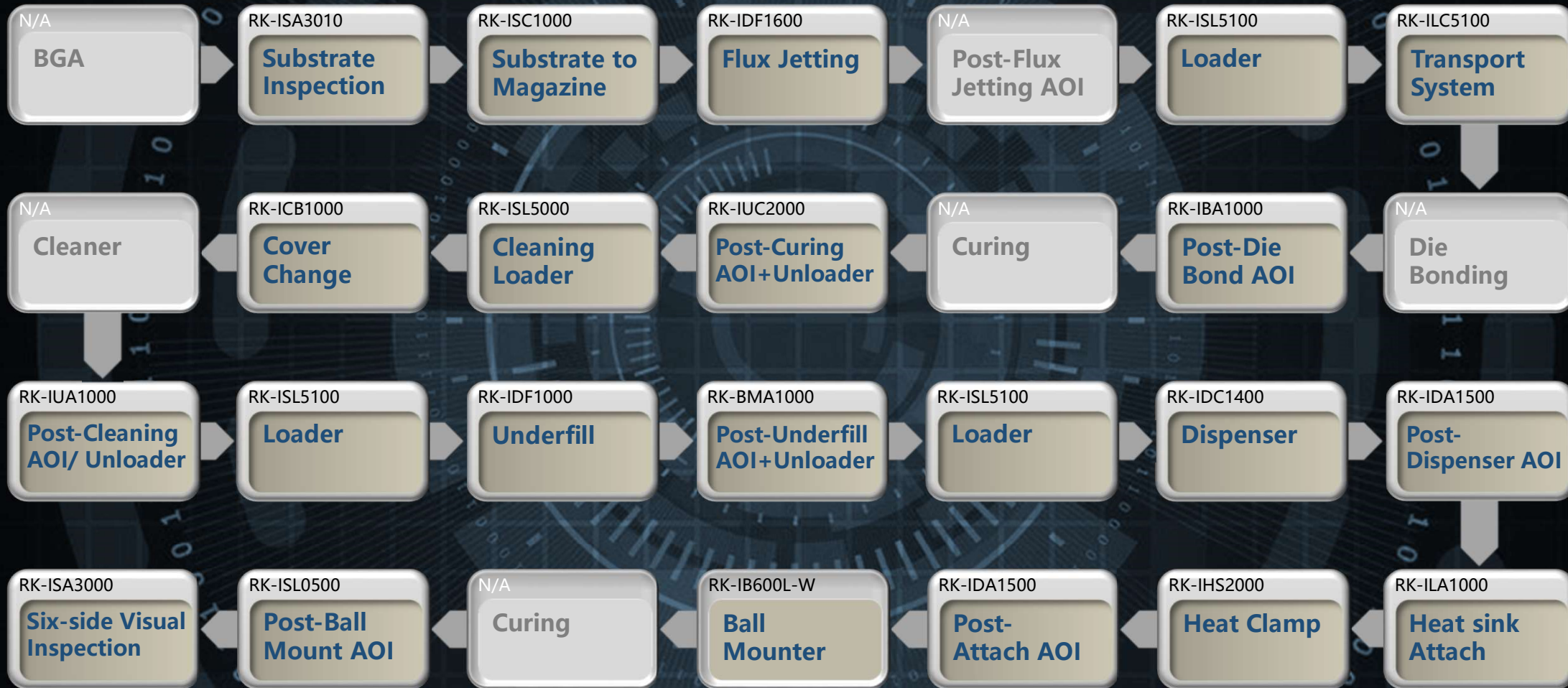


InFO: Integrated Fan-Out
 CoWoS: Chip on Wafer on Substrate
 RDL: Redistribution Layer
 LSI: Local Si Interconnect

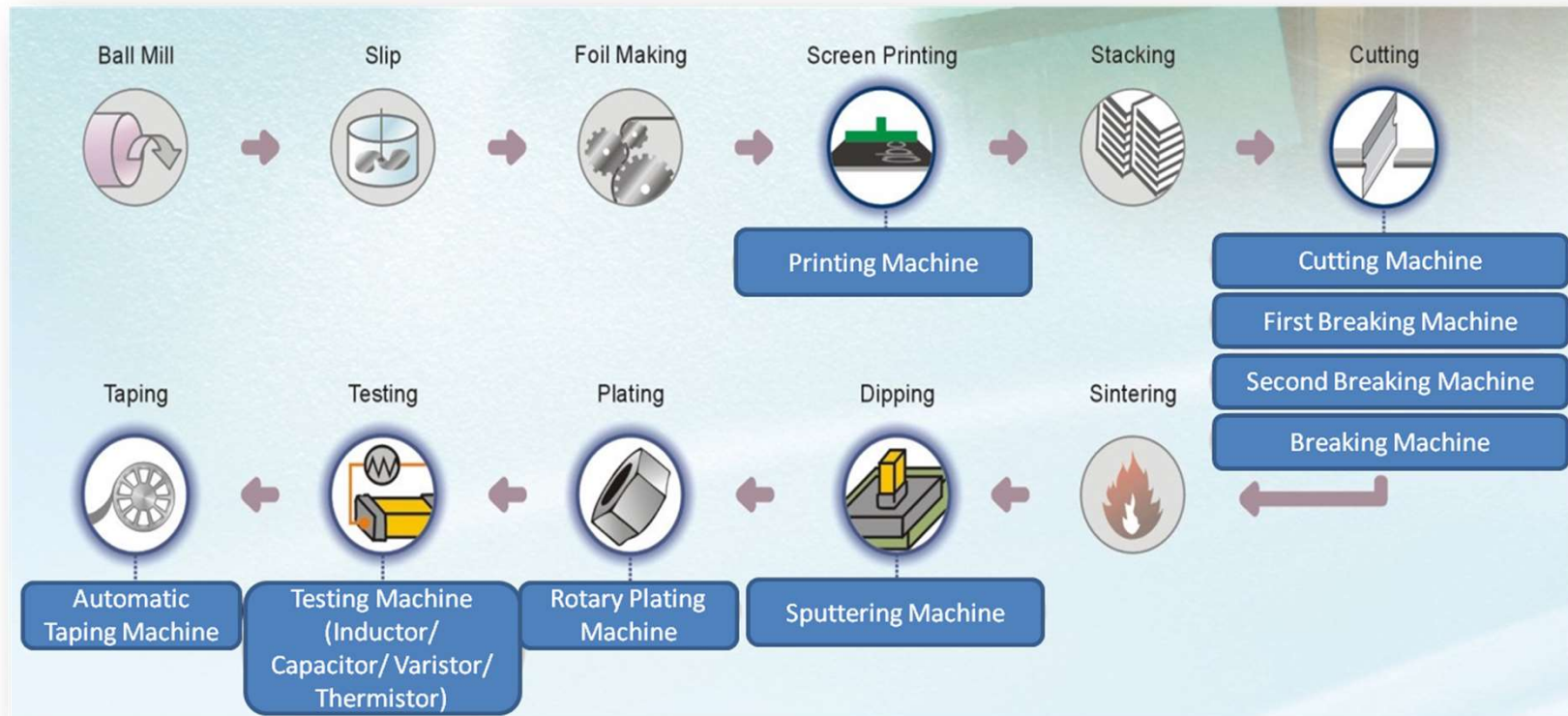
Allring in 3D Fabric Process



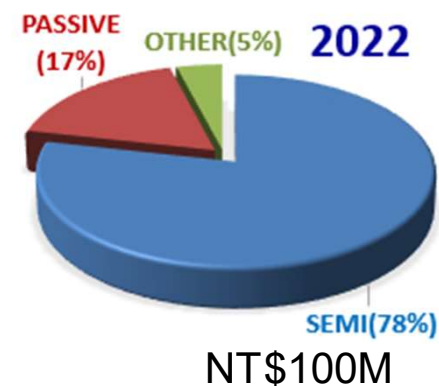
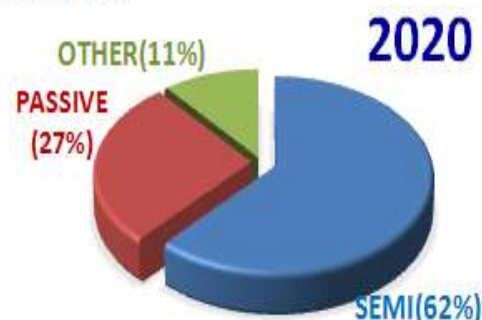
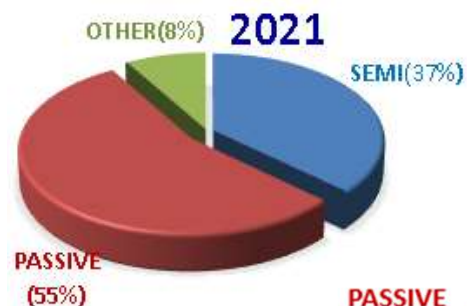
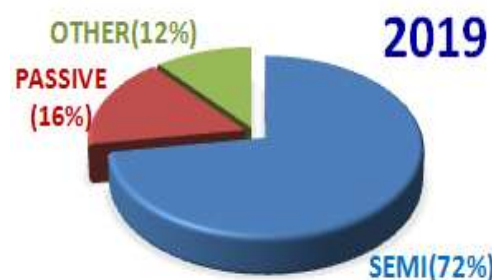
Flip Chip in Package Process



Passive Component Production Process

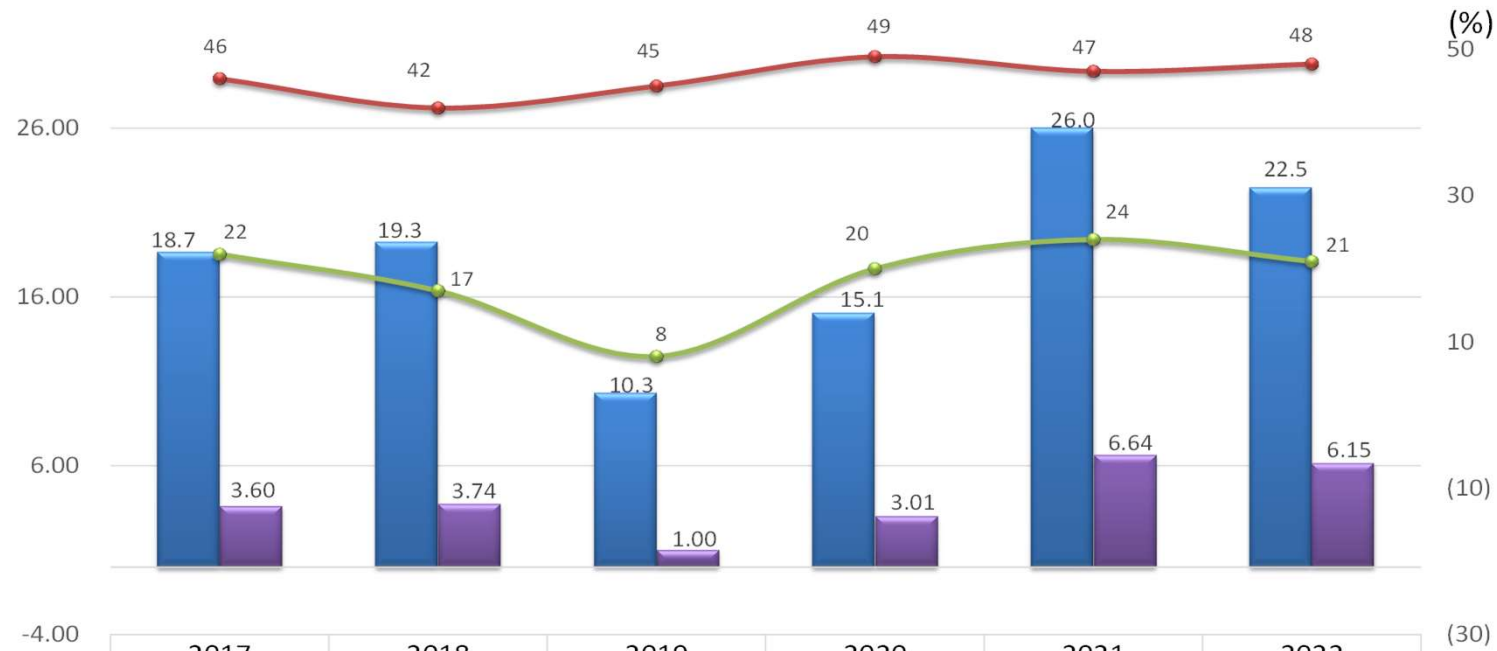


財務資料



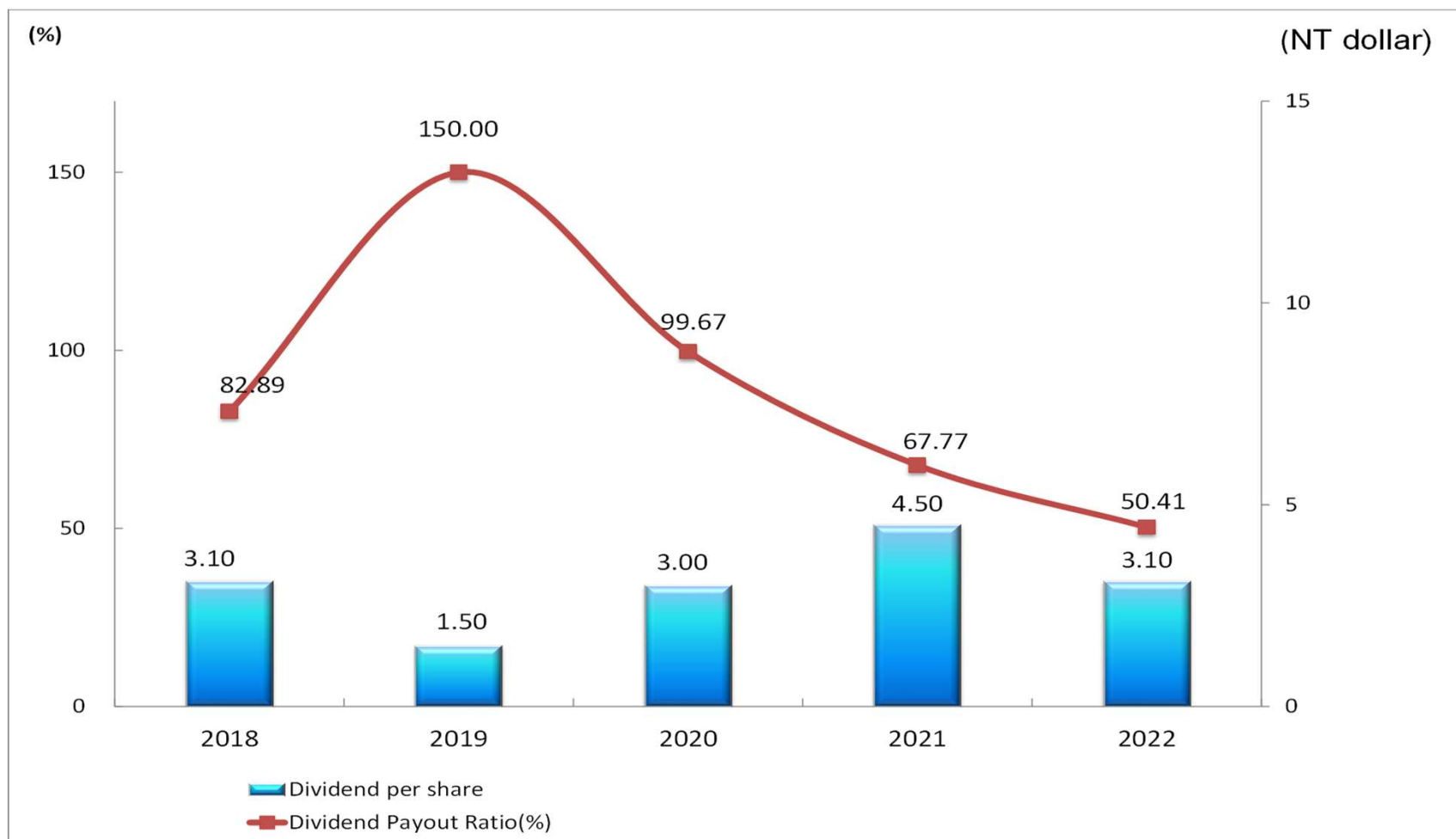
	2019		2020		2021		2022	
SEMI	7.48	72%	9.28	62%	9.60	37%	17.63	78%
PASSIVE	1.70	16%	4.14	27%	14.29	55%	3.93	17%
OTHER	1.14	12%	1.64	11%	2.15	8%	0.92	5%
TOTAL	10.32	100%	15.06	100%	26.04	100%	22.48	100%

財務資料

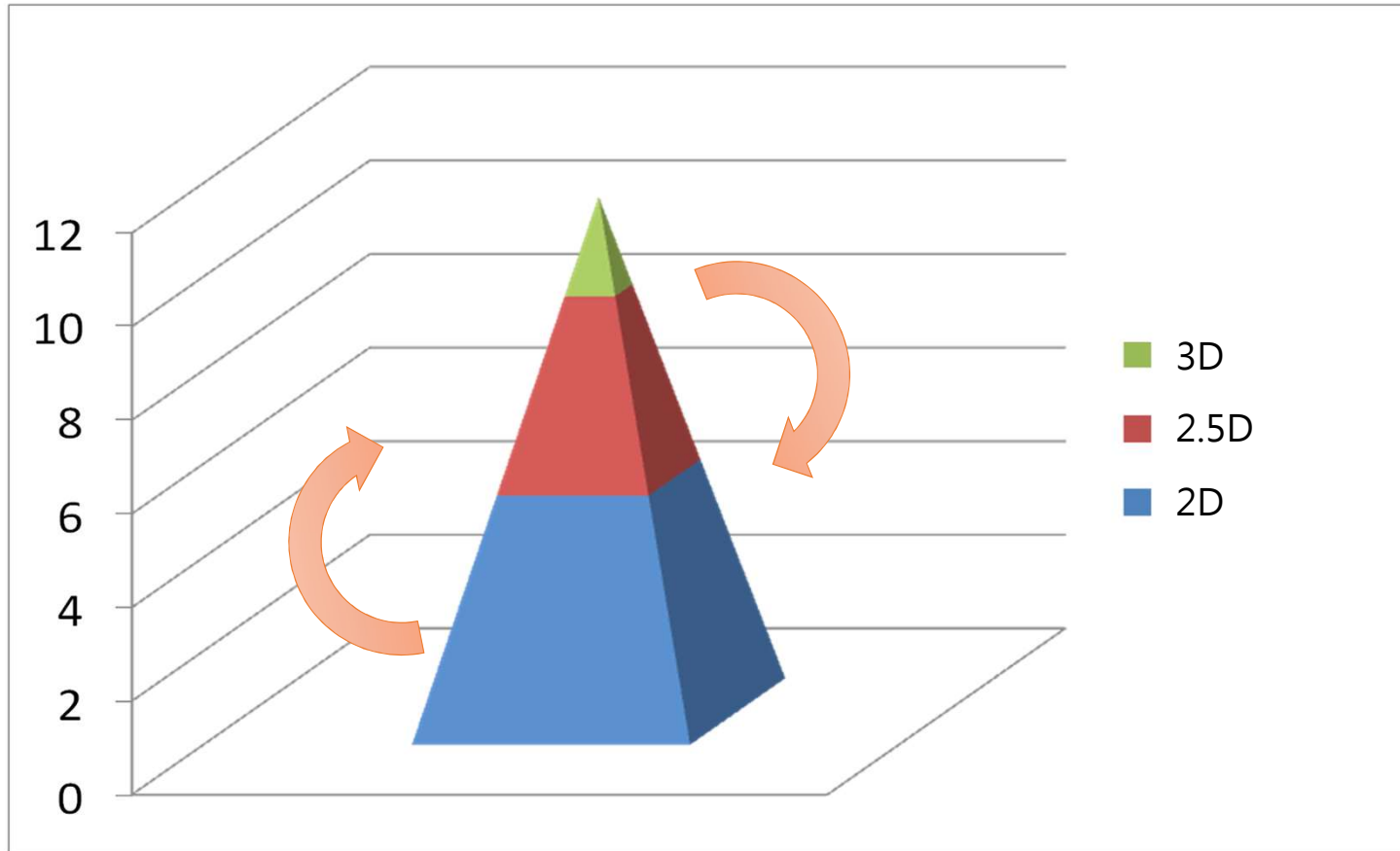


	2017	2018	2019	2020	2021	2022
Sales(NT\$100mn)	18.7	19.3	10.3	15.1	26.0	22.5
EPS(NT\$)	3.60	3.74	1.00	3.01	6.64	6.15
GM(%)	46	42	45	49	47	48
OPM(%)	22	17	8	20	24	21

財務資料



願景





Thank you!