

AllRing Tech

Presented by Allring



Chiende Lee
Tel:+886-7-6071828



lee@allring-tech.com.tw

About Us

Establish

May 24. 1996

Chairman

Larry Lu

Capital

833 Million

Business

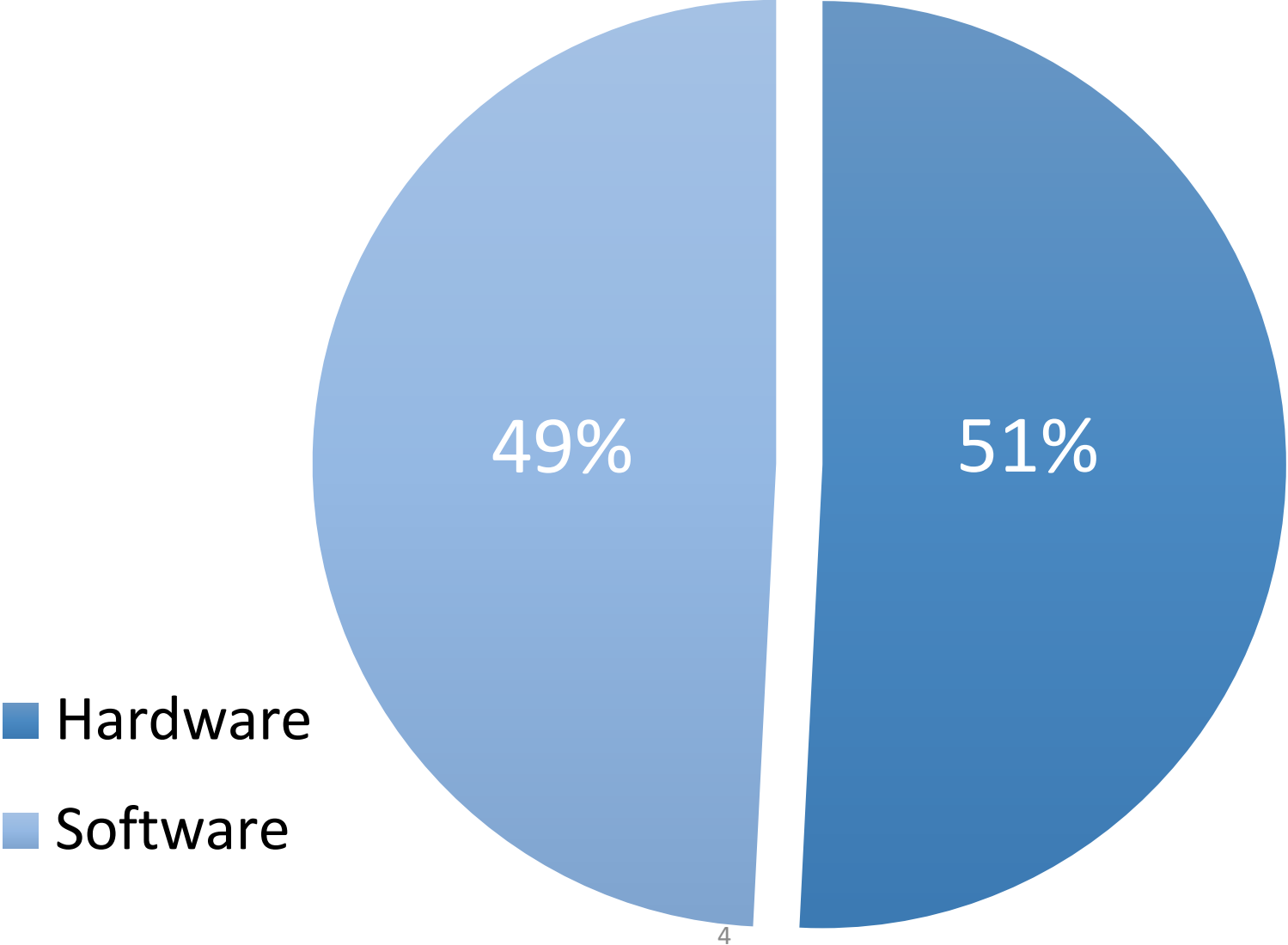
Automation equipment supplier for
Semiconductor test & package, Passive Component
manufacturing industries



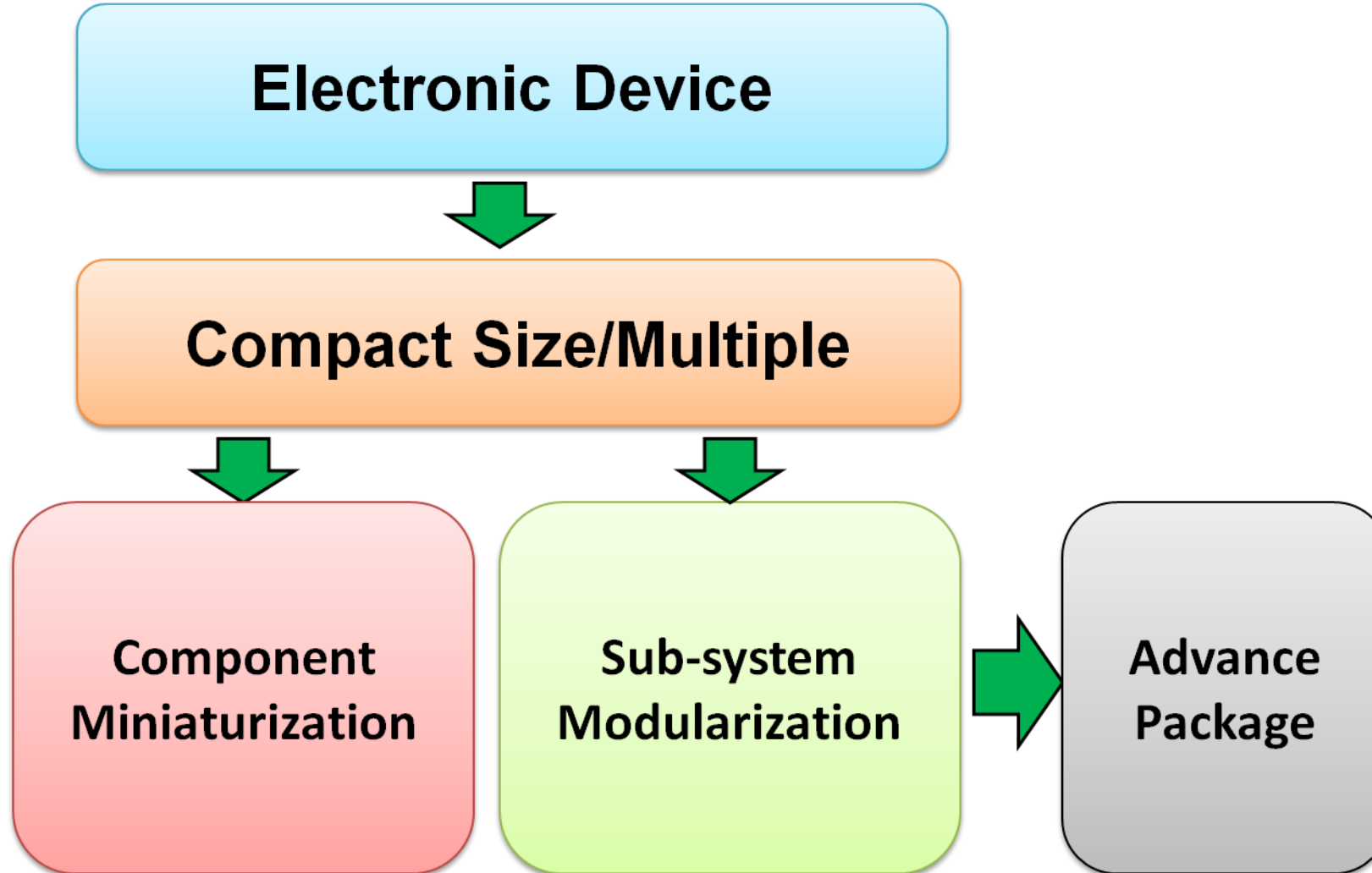
Human Resource Distribution

60%
R&D

Human Resource Distribution



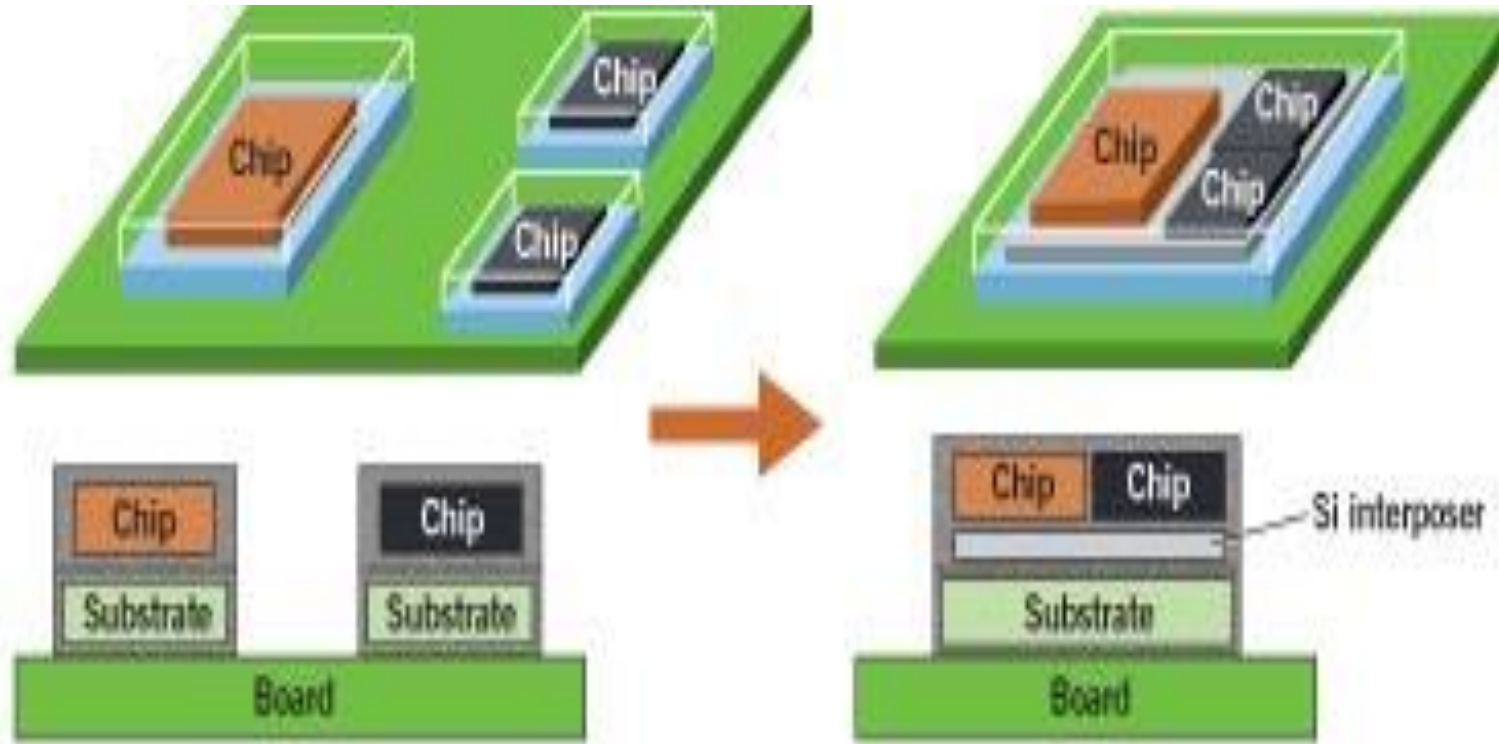
Industry Overview



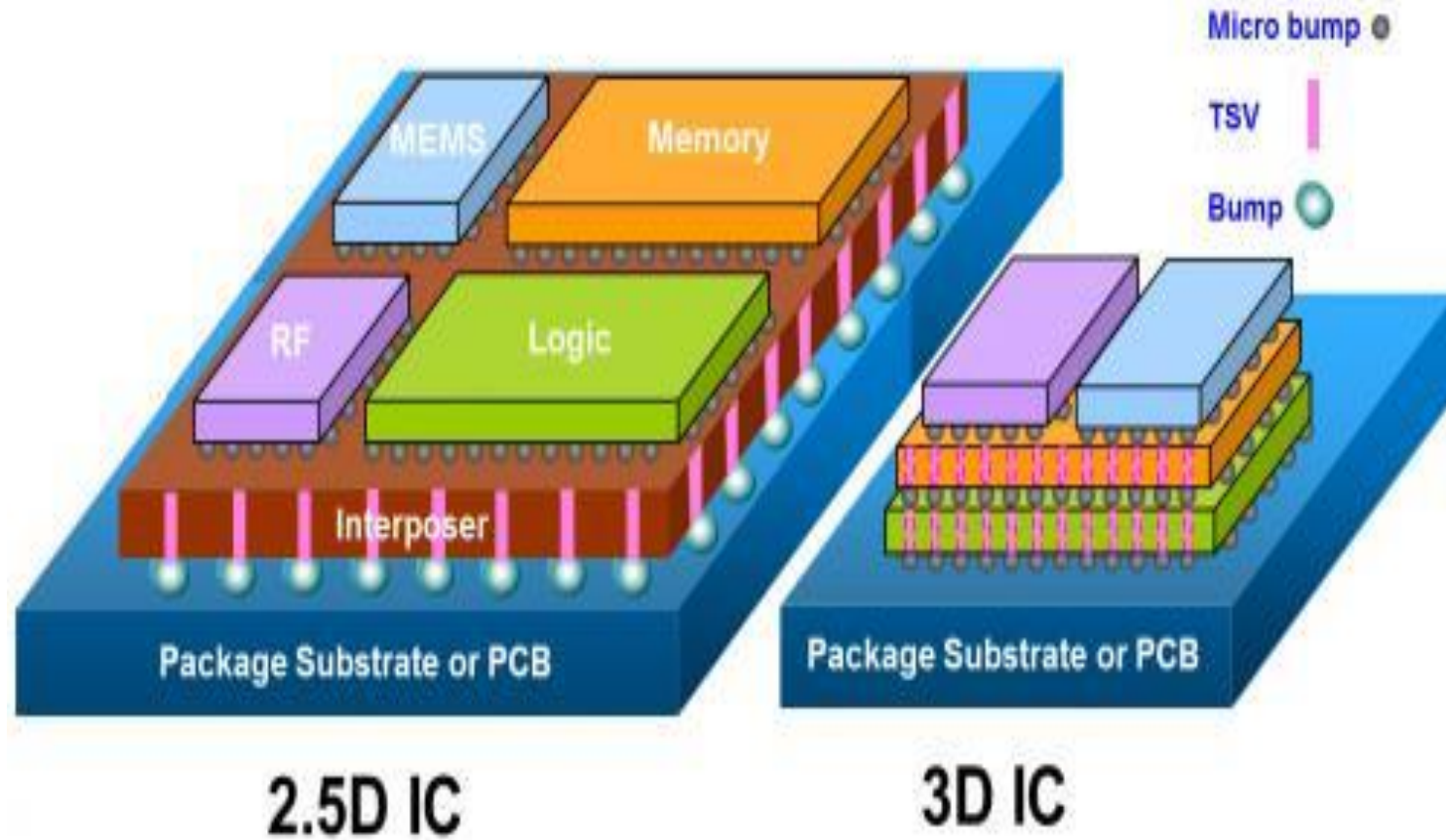
Advance Package

Packaging Type		Manufacturer		Application
SIP (system in package)		OSAT	ASE	Smart phone IoT Mobile
			USI	
		Module house	Hon Hai	
			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	

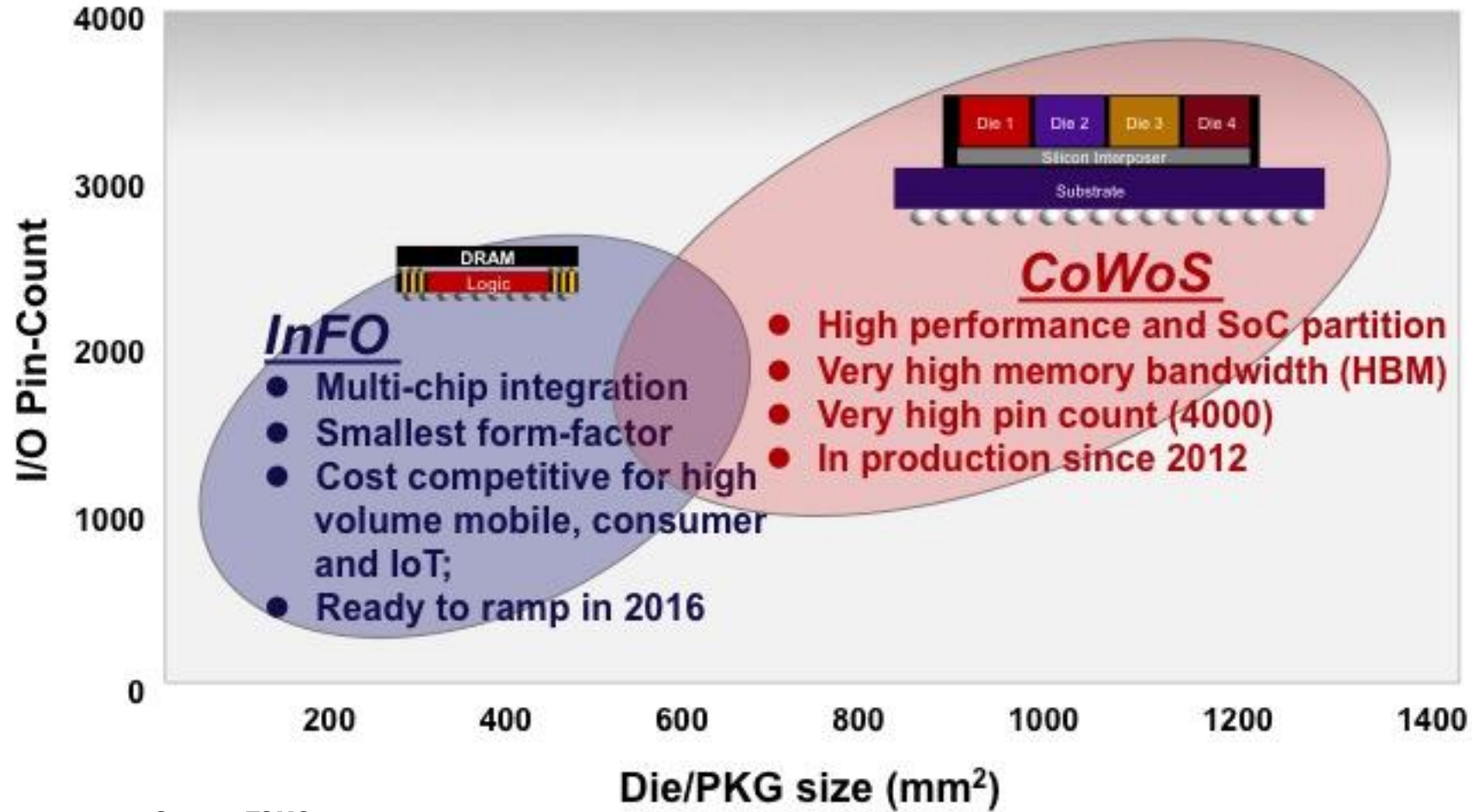
System in Package (SiP)



2.5D & 3D IC Packaging



TSMC's InFO & CoWoS



TSMC's 3D Fabric

TSMC 3DFabric™



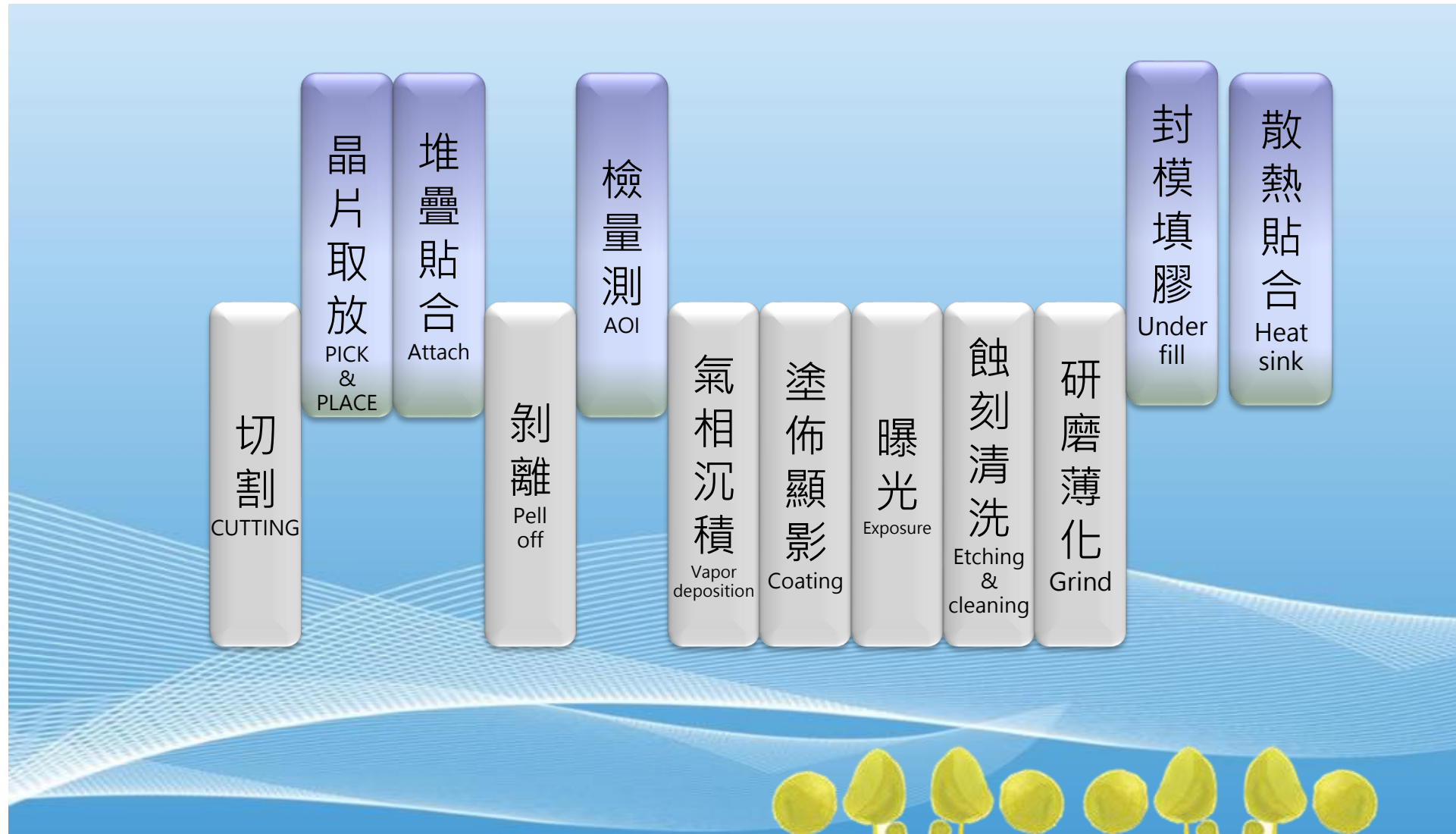
SoIC: System on Integrated Chips



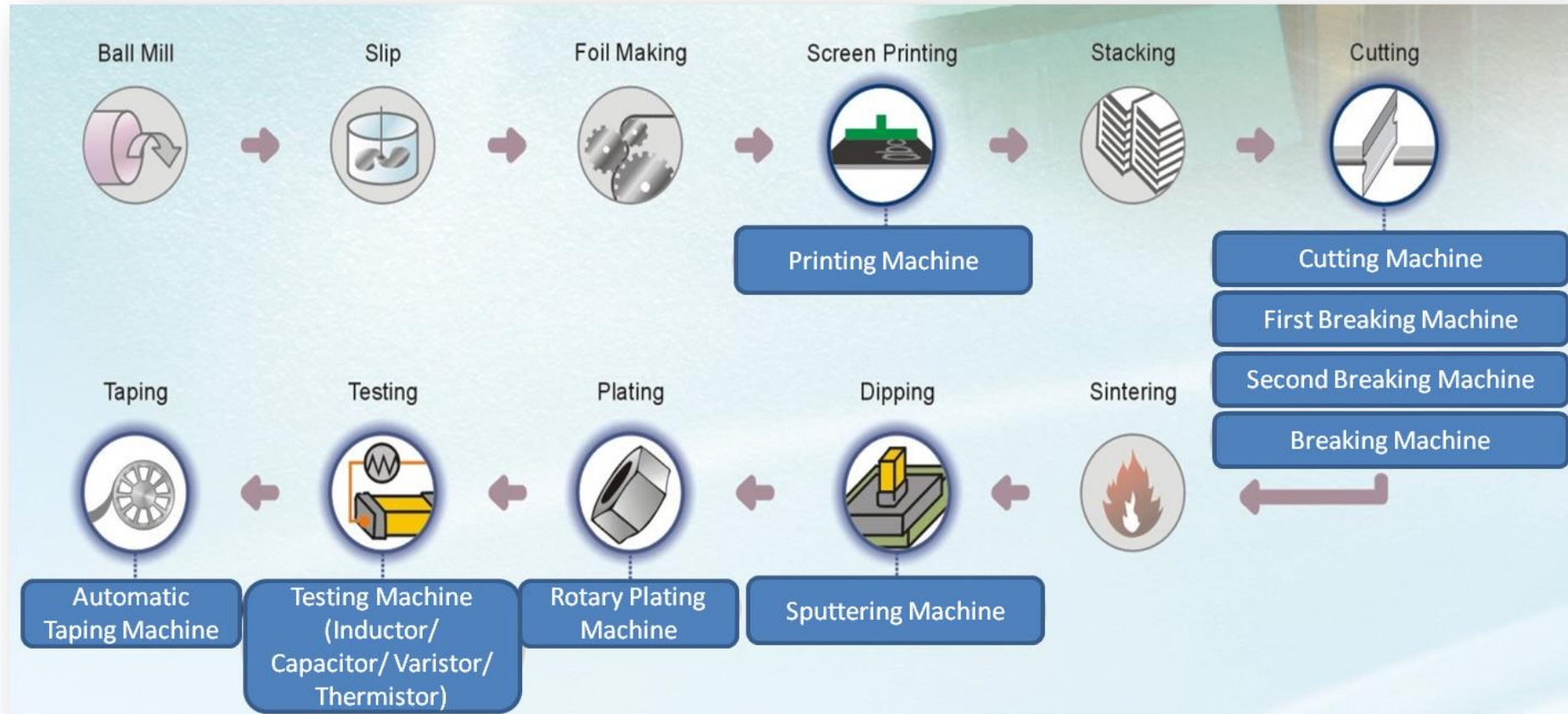
InFO: Integrated Fan-Out
CoWoS: Chip on Wafer on Substrate
RDL: Redistribution Layer
LSI: Local Si Interconnect

Source: TSMC

Allring in 3D Fabric Process



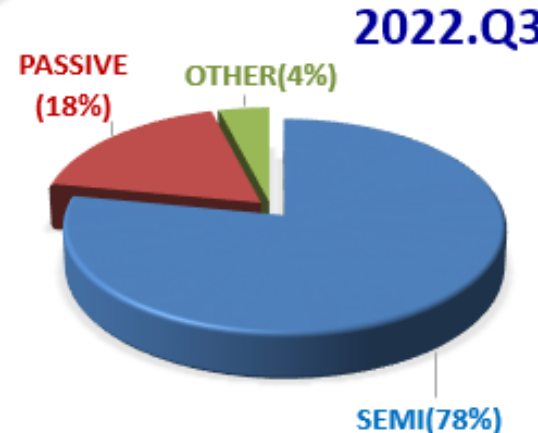
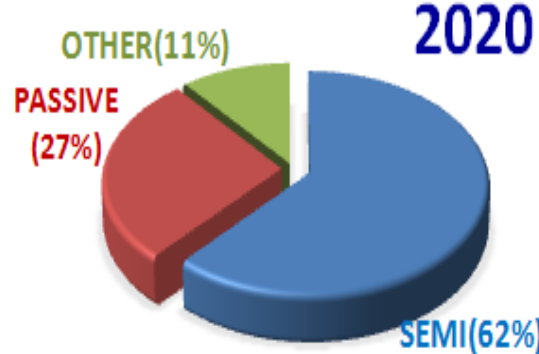
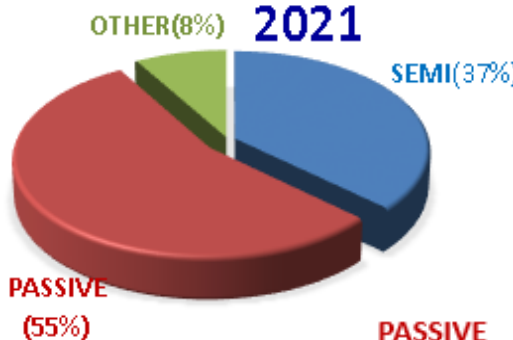
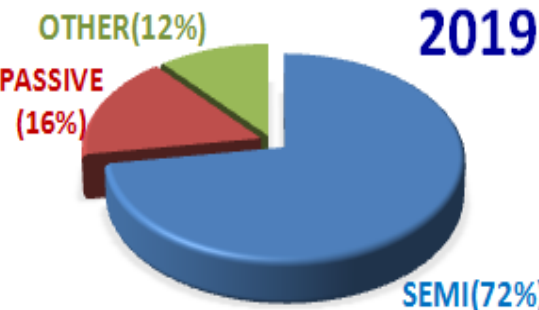
Passive Component Production Process



Financial Highlights

	For the nine-months periods ended September 30,			
	2022		2021	
	Amount	%	Amount	%
Operating revenue	1,958,478		2,161,076	
Operating costs	(1,054,846)		(1,168,849)	
Net operating margin	903,632	46%	992,227	46%
Selling expenses	(57,511)		(70,776)	
General and administrative expenses	(110,771)		(102,750)	
Research and development expenses	(293,590)		(257,599)	
Expected credit losses	(12,447)		(359)	
Total operating expenses	(474,319)	24%	(431,484)	20%
Operating profit	429,313		560,743	
Total non-operating income and expenses	146,133		13,879	
Profit before income tax	575,446	29%	574,622	27%
Income tax expense	(98,605)		(98,727)	
Profit for the period	476,841	24%	475,895	22%
EPS	5.86		5.84	

Financial Highlights



NT\$100M
2022.3Q

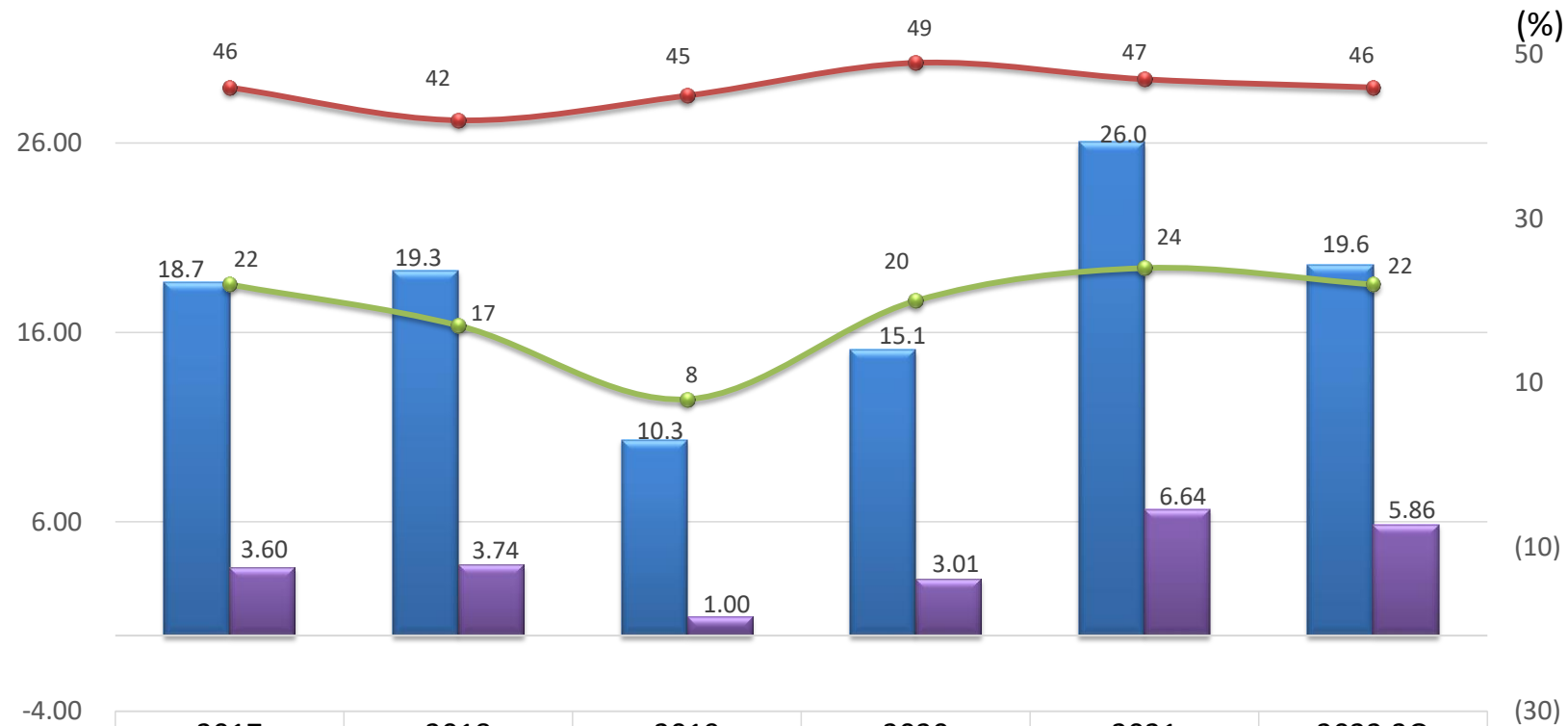
	2019		2020		2021		2022.3Q	
SEMI	7.48	72%	9.28	62%	9.60	37%	15.27	78%
PASSIVE	1.70	16%	4.14	27%	14.29	55%	3.51	18%
OTHER	1.14	12%	1.64	11%	2.15	8%	0.80	4%
TOTAL	10.32	100%	15.06	100%	26.04	100%	19.58	100%



Financial Highlights

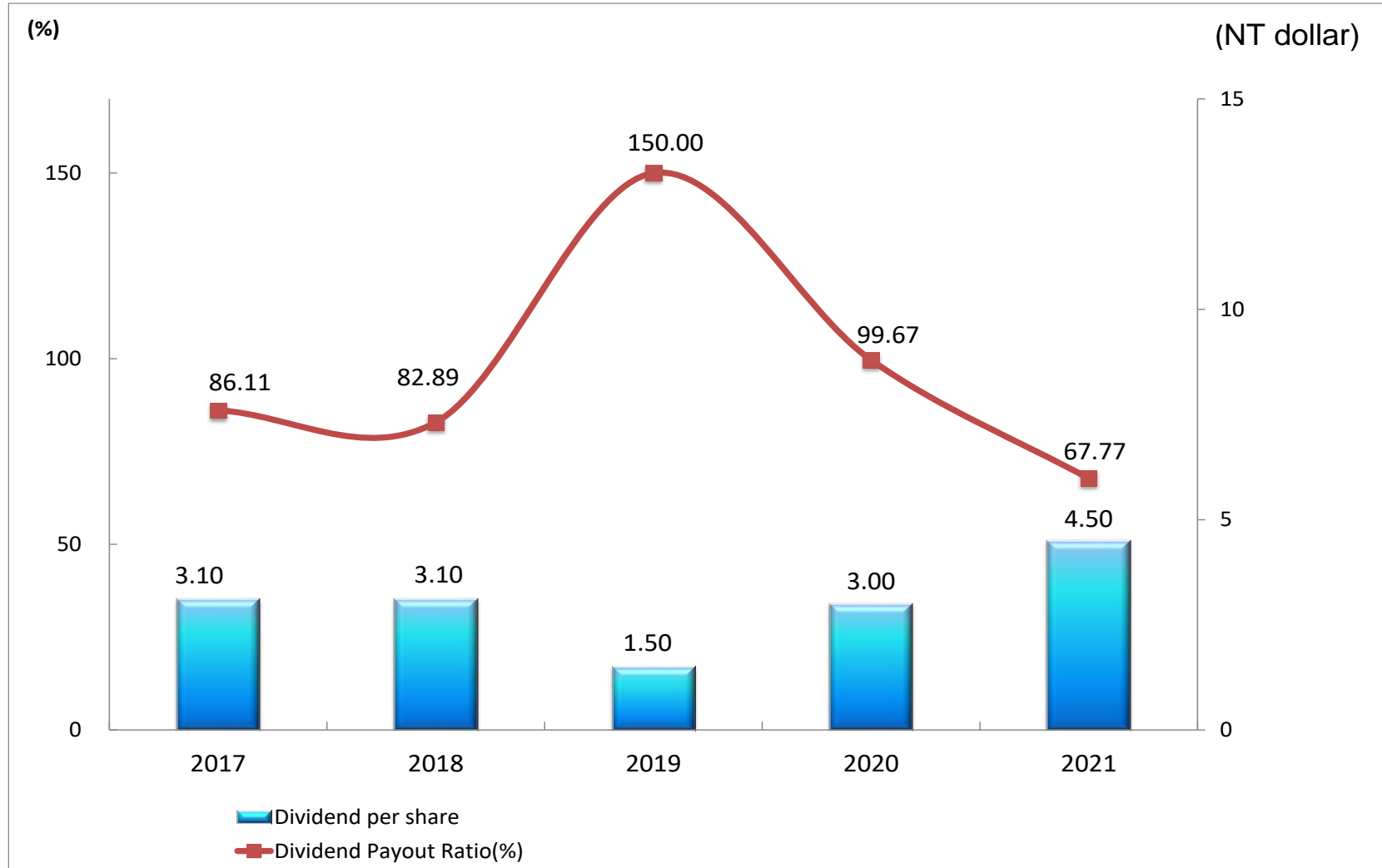
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Financial Highlights



	2017	2018	2019	2020	2021	2022.3Q
Sales(NT\$100mn)	18.7	19.3	10.3	15.1	26.0	19.6
EPS(NT\$)	3.60	3.74	1.00	3.01	6.64	5.86
GM(%)	46	42	45	49	47	46
OPM(%)	22	17	8	20	24	22

Financial Highlights





Q & A



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