

IC/PC/ LED 自動化設備
解決方案

AllRing Tech 萬潤科技簡介

Presented by Allring

公司簡介

設立

May 24. 1996

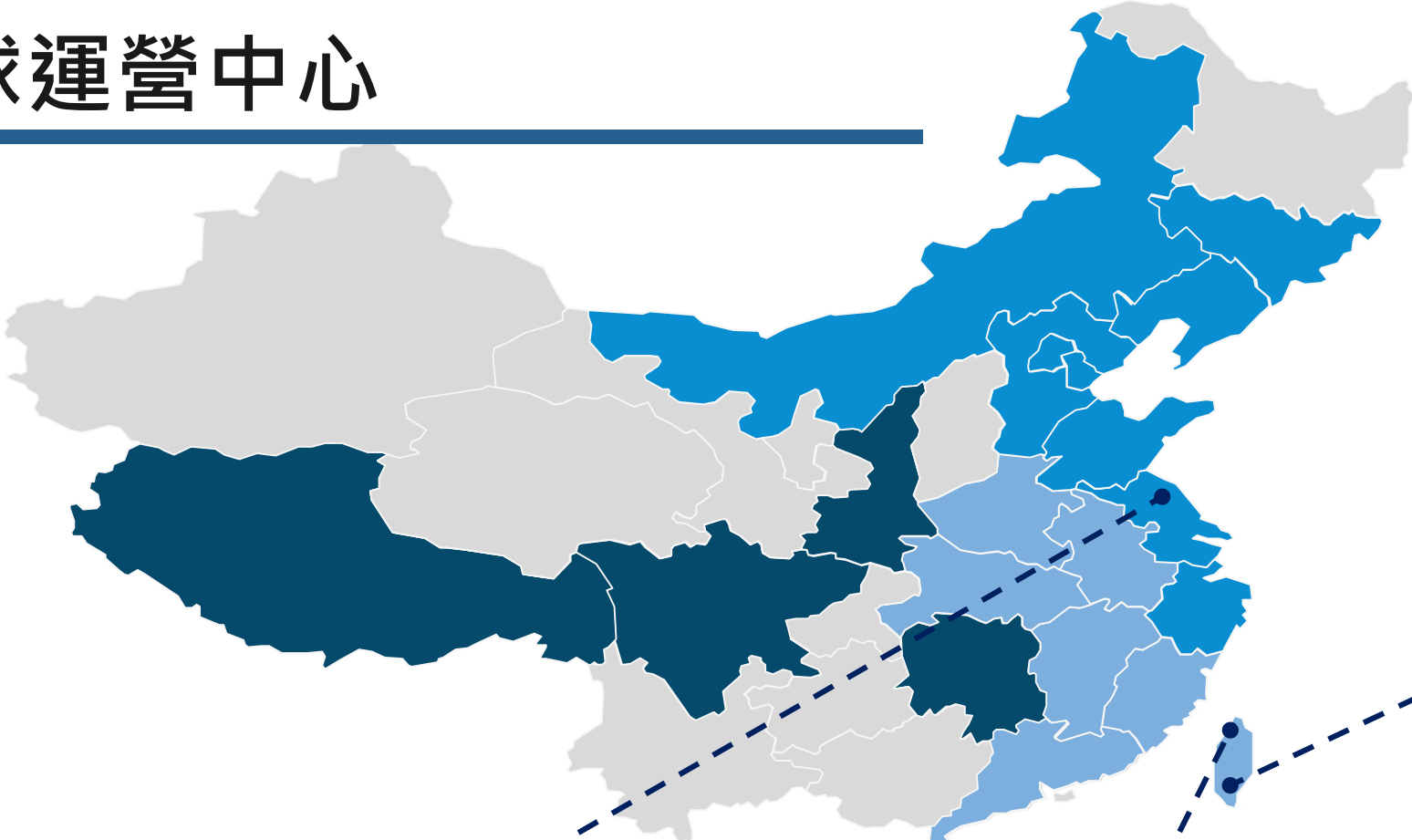
董事長

盧鏡來先生

主要產品

半導體測試及封裝設備,被動元件設備

全球運營中心



子公司
◆ Kunshan
Jiangsu
Factory Area:
20,000 m²



工廠
◆ Hsinchu
◆ Taichung

總部
Kaohsiung/Taiwan
Factory Area: 27,000 m²

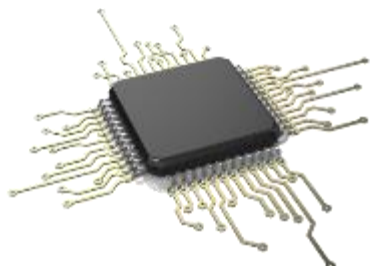


集團里程碑



1996

- 公司成立
- 發展被動元件領域設備
- 自動切割機
- 電感測試與包裝機



2000

- 發展半導體領域設備



2004

- 進駐南科高雄園區
- PCB 檢查設備
- FPD 塗膠機



2008

- 發展LED領域設備
- 繞線設備



2010

- 成立昆山萬潤精機
- 成立萬潤慈善基金會



2013

- 發展SiP製程設備
- 在台研發中心創立

集團里程碑



2015

- 擴建第二期廠區
- PSA 貼合機

2016-2017

- ACF/OCA 貼合機
- AOI - Info/CoWos
- Wafer Level 點膠機
- 電感繞線機

2018-2019

- AGV
- 厚度量測設備

2020-2021

- 晶圓級上下料機
- 六面檢查機
- Wafer AOI

2022

- 電容測試機
- 切割機
- 散熱片機

2023

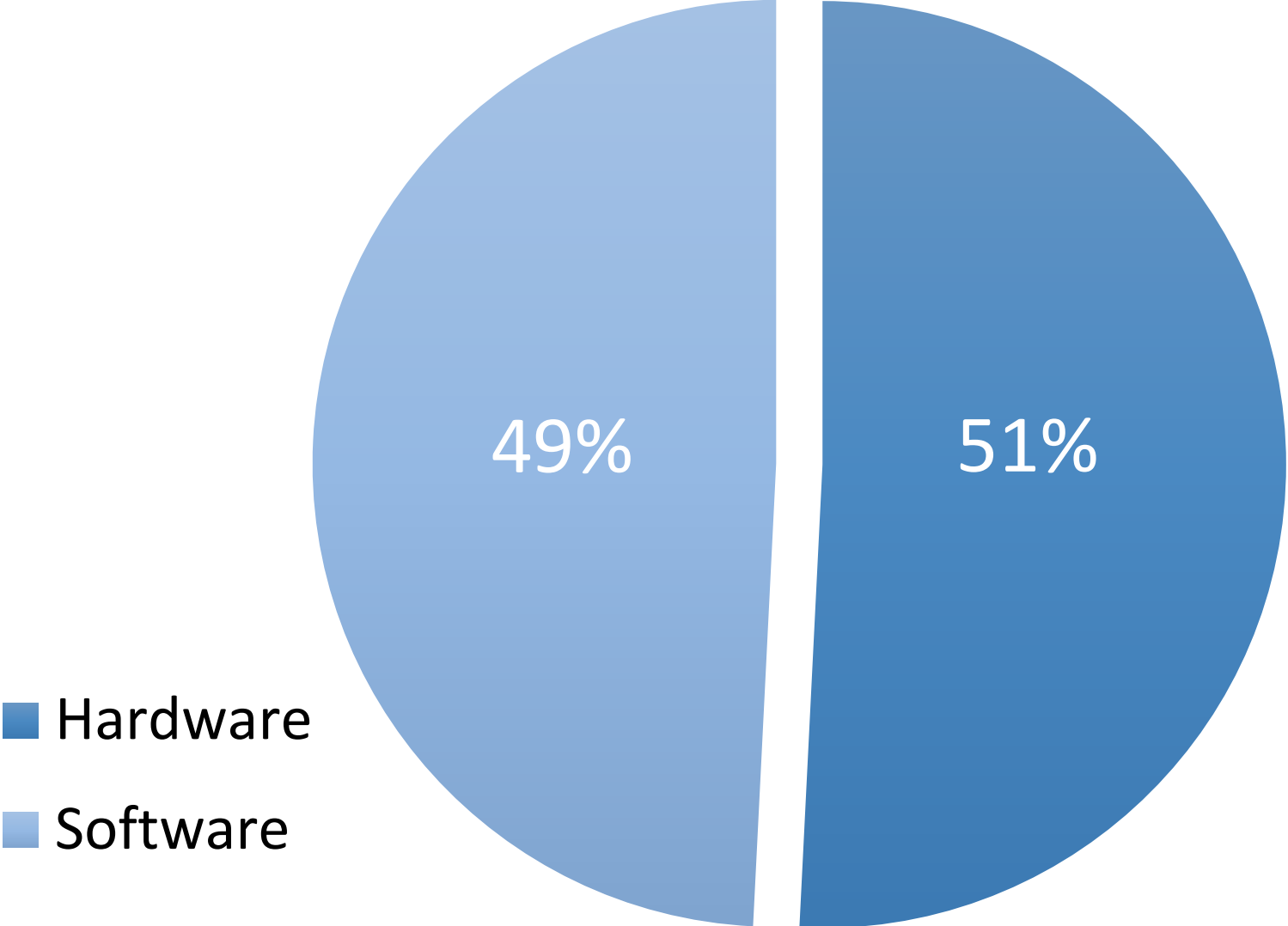
- 植球機
- 雙軌點膠機

研發人力資源

60%

OF OUR 280 EMPLOYEES ARE
RESEARCH AND DEVELOPMENT

研發人力資源



產品線



自動化

Loader/ unloader
Carrier Transfer
Lane Change
Ball Mounter



貼合

Flex
PSA
OCA
Film Tim
Metal Tim
PI Film



點膠

Underfill
Flux Jetting
Silver Paste
Heatsink



視覺檢測

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



被動元件/LED

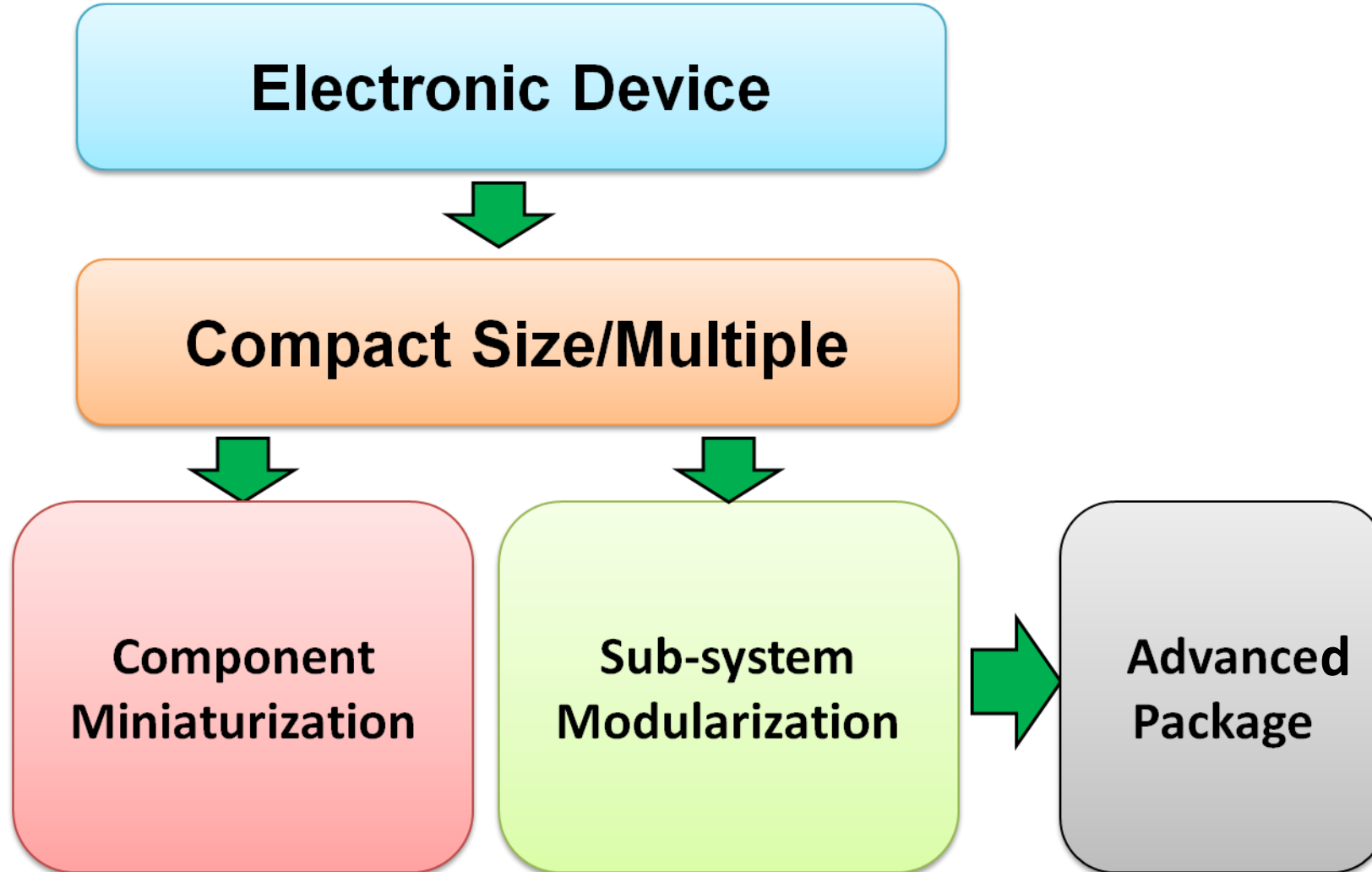
Cutting
Plating
Testing
Winding
Packing



機器人

Cleaning Robot
Security Robot

產業概況



封裝製程

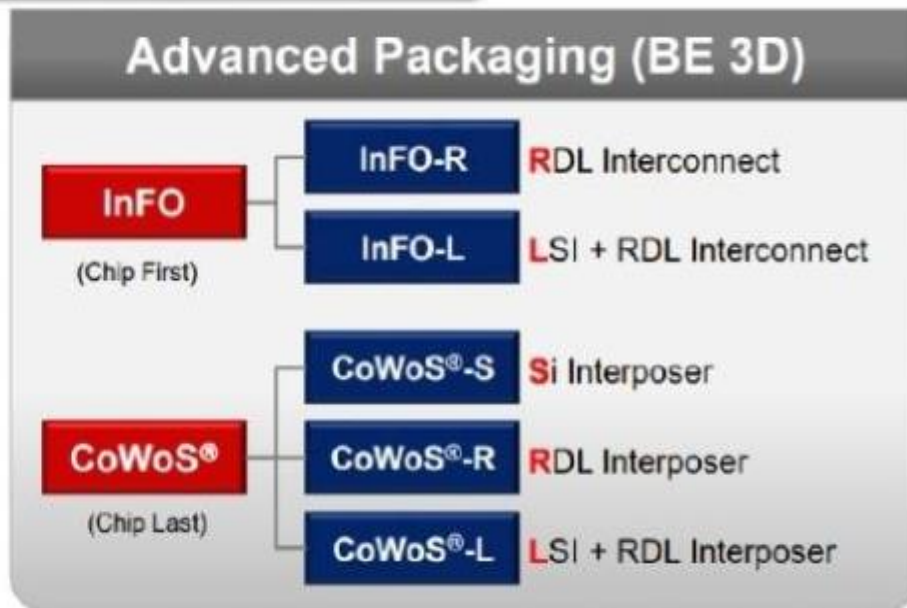
Packaging Type		Manufacturer		Application
SiP (System in Package)		OSAT	ASE	Smart phone
			USI	
		Module house	GIS	
			Luxshare	
		Component	AAC	
			AMS	
3D Package	SoIC	Foundry	TSMC	Smart Phone AI
	InFO,CoWoS		TSMC	
2D/2.5D	Flip chip	OSAT	ASE	Smart Phone IoT Mobile
			Spil	
			Amkor	
			Chipbond	
	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

TSMC's 3D 封装

TSMC 3DFabric™



SoIC: System on Integrated Chips



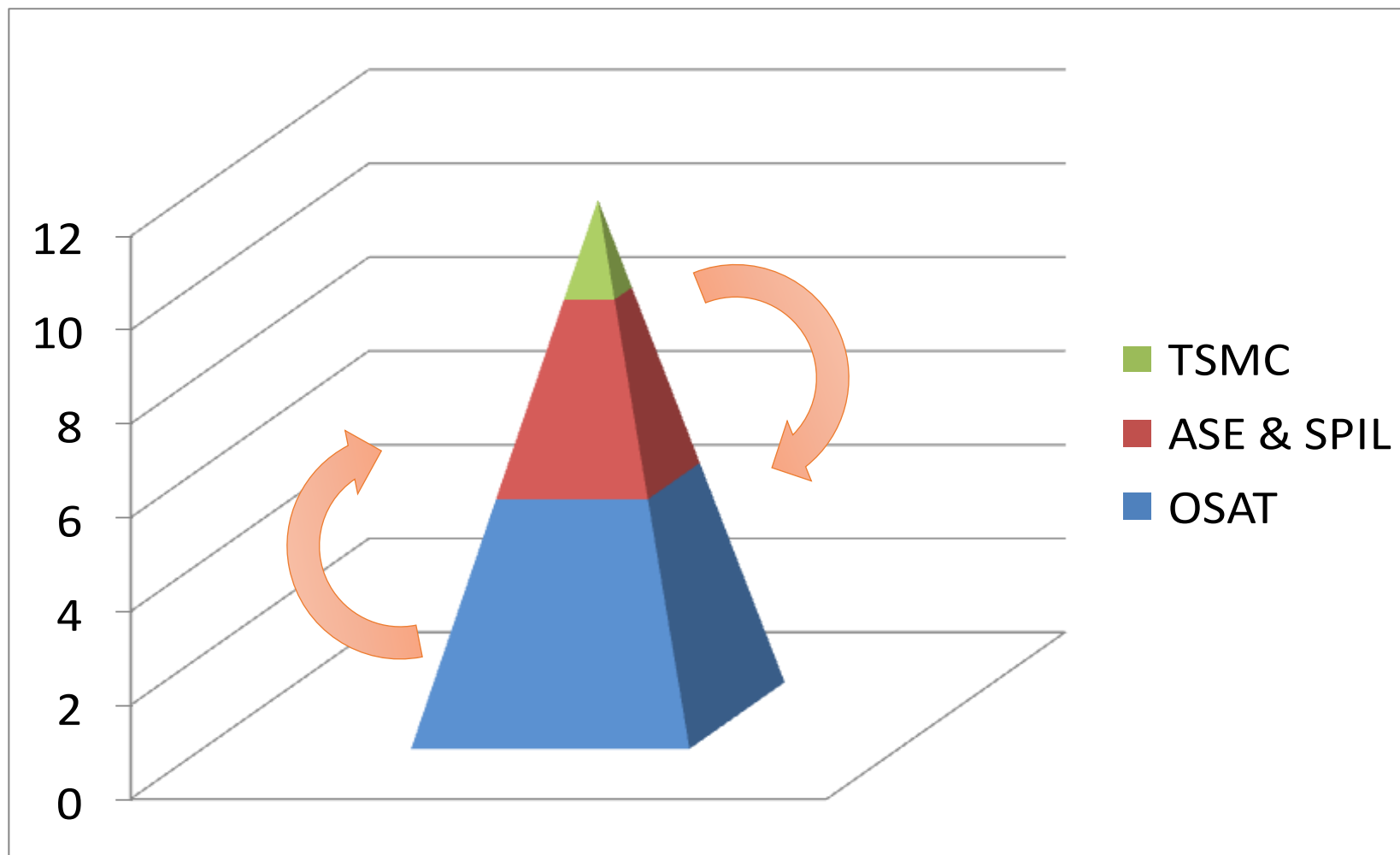
InFO: Integrated Fan-Out
CoWoS: Chip on Wafer on Substrate
RDL: Redistribution Layer
LSI: Local Si Interconnect

Source:TSMC

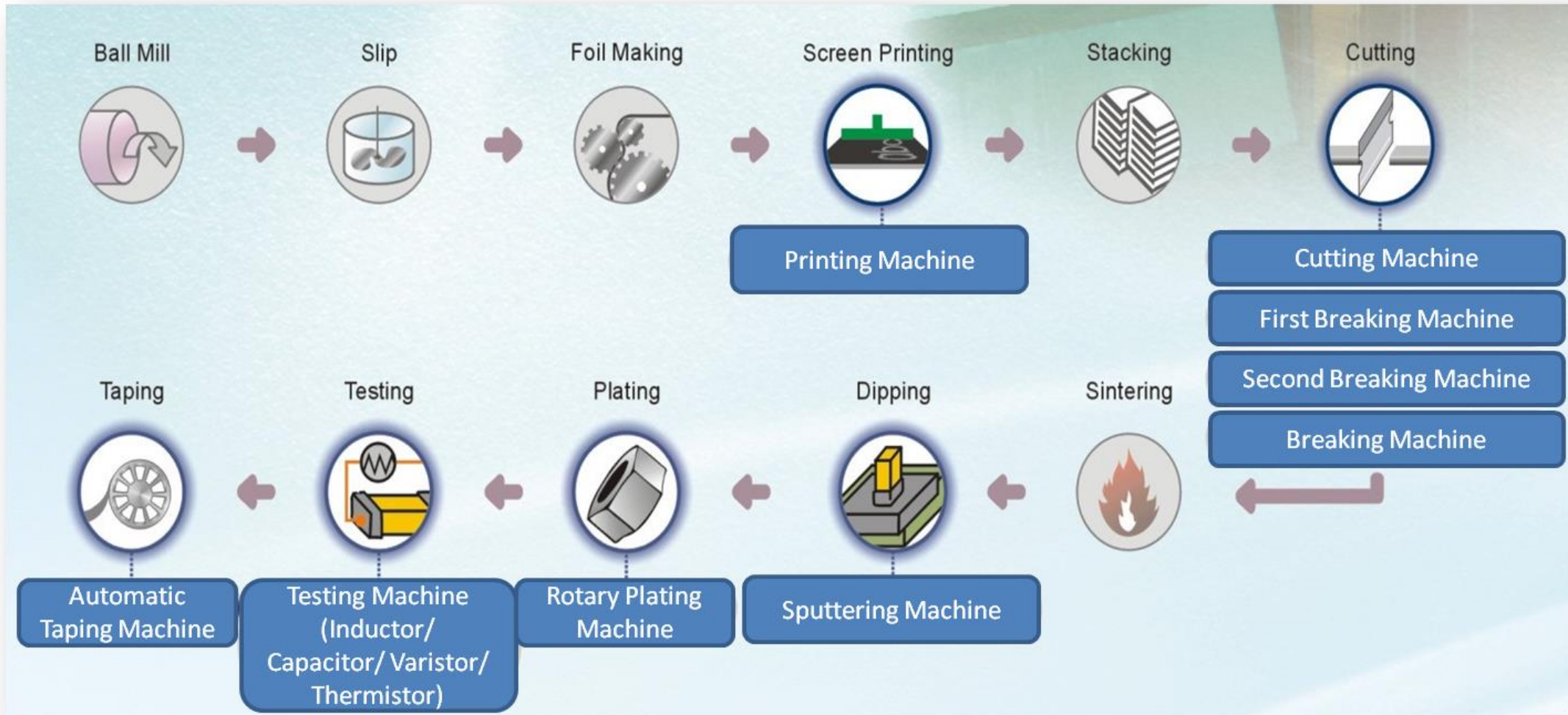
CoWoS 生產流程



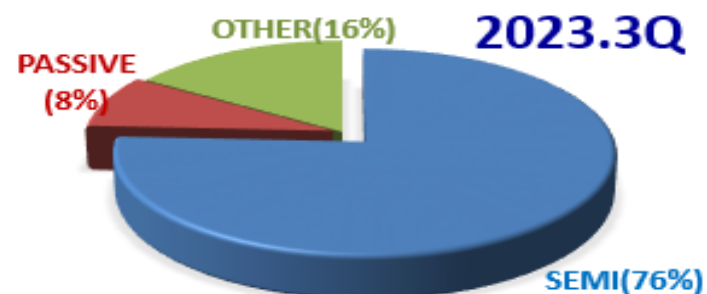
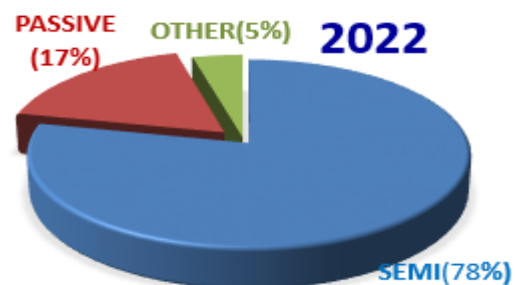
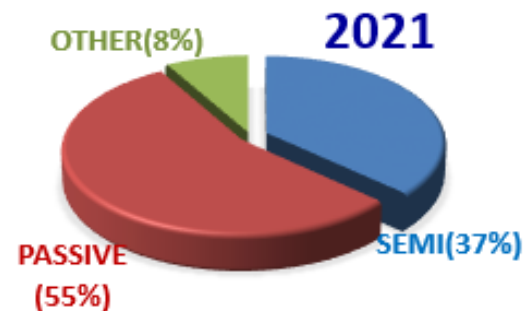
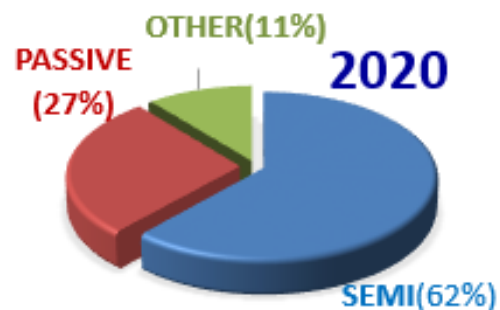
策略目標



被動元件生產流程

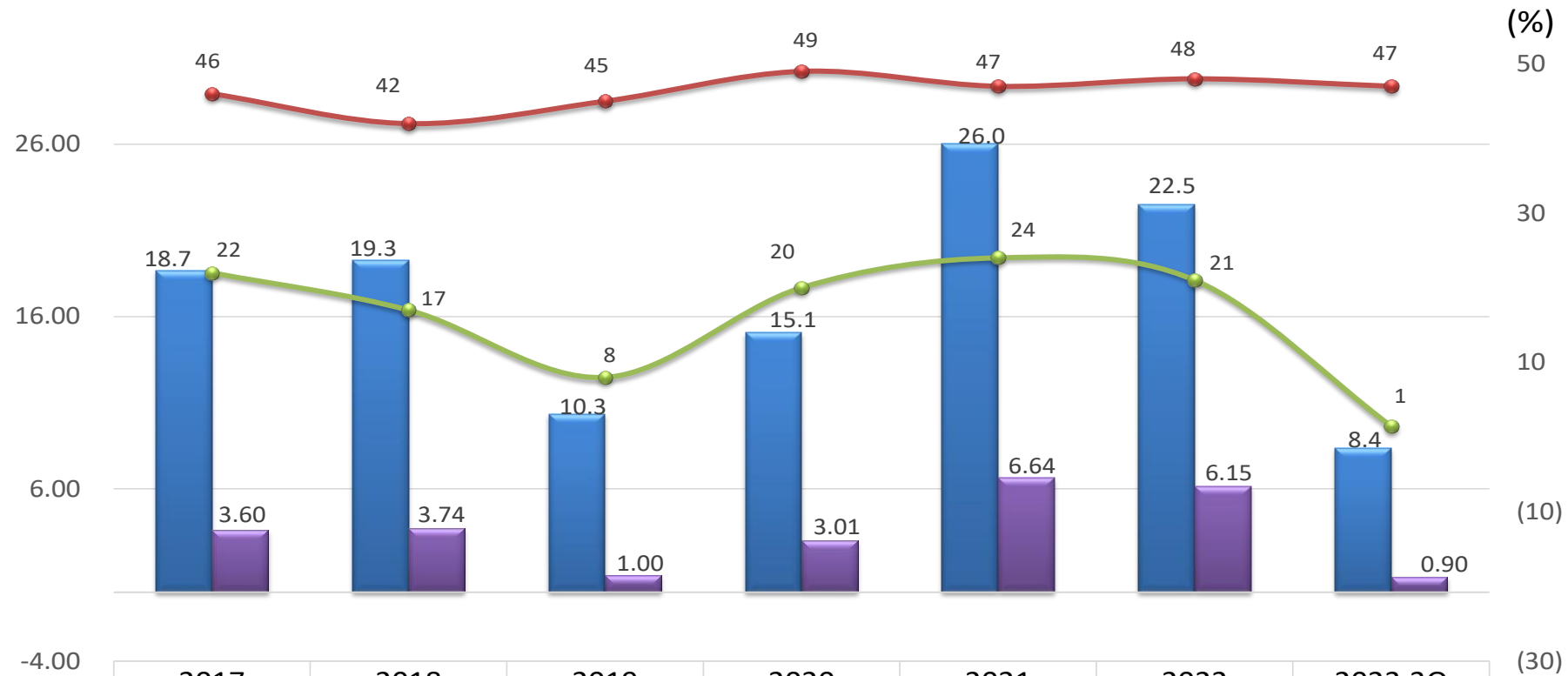


財務資料



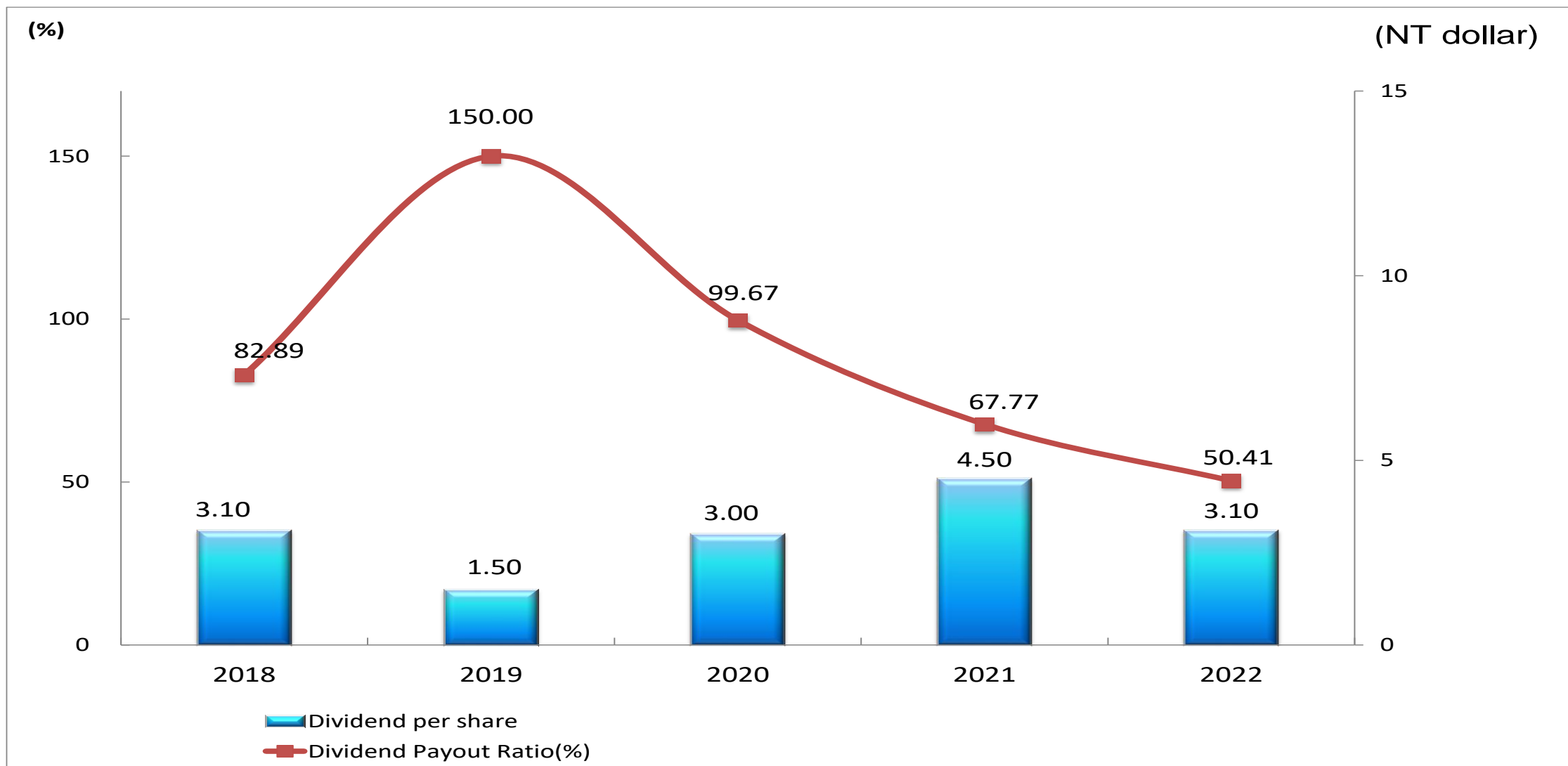
	2020		2021		2022		NT\$100M 2023.3Q	
SEMI	9.28	62%	9.60	37%	17.63	78%	6.33	76%
PASSIVE	4.14	27%	14.29	55%	3.93	17%	0.70	8%
OTHER	1.64	11%	2.15	8%	0.92	5%	1.32	16%
TOTAL	15.06	100%	26.04	100%	22.48	100%	8.35	100%

財務資料



	2017	2018	2019	2020	2021	2022	2023.3Q
Sales(NT\$100mn)	18.7	19.3	10.3	15.1	26.0	22.5	8.4
EPS(NT\$)	3.60	3.74	1.00	3.01	6.64	6.15	0.90
GM(%)	46	42	45	49	47	48	47
OPM(%)	22	17	8	20	24	21	1

財務資料





Q&A
Thank you!