

PC/ LED/ IC 自動化設備
解決方案

AllRing Tech 萬潤科技簡介

Presented by Allring

About Us

Establish

May 24. 1996

Chairman

Larry Lu

Capital

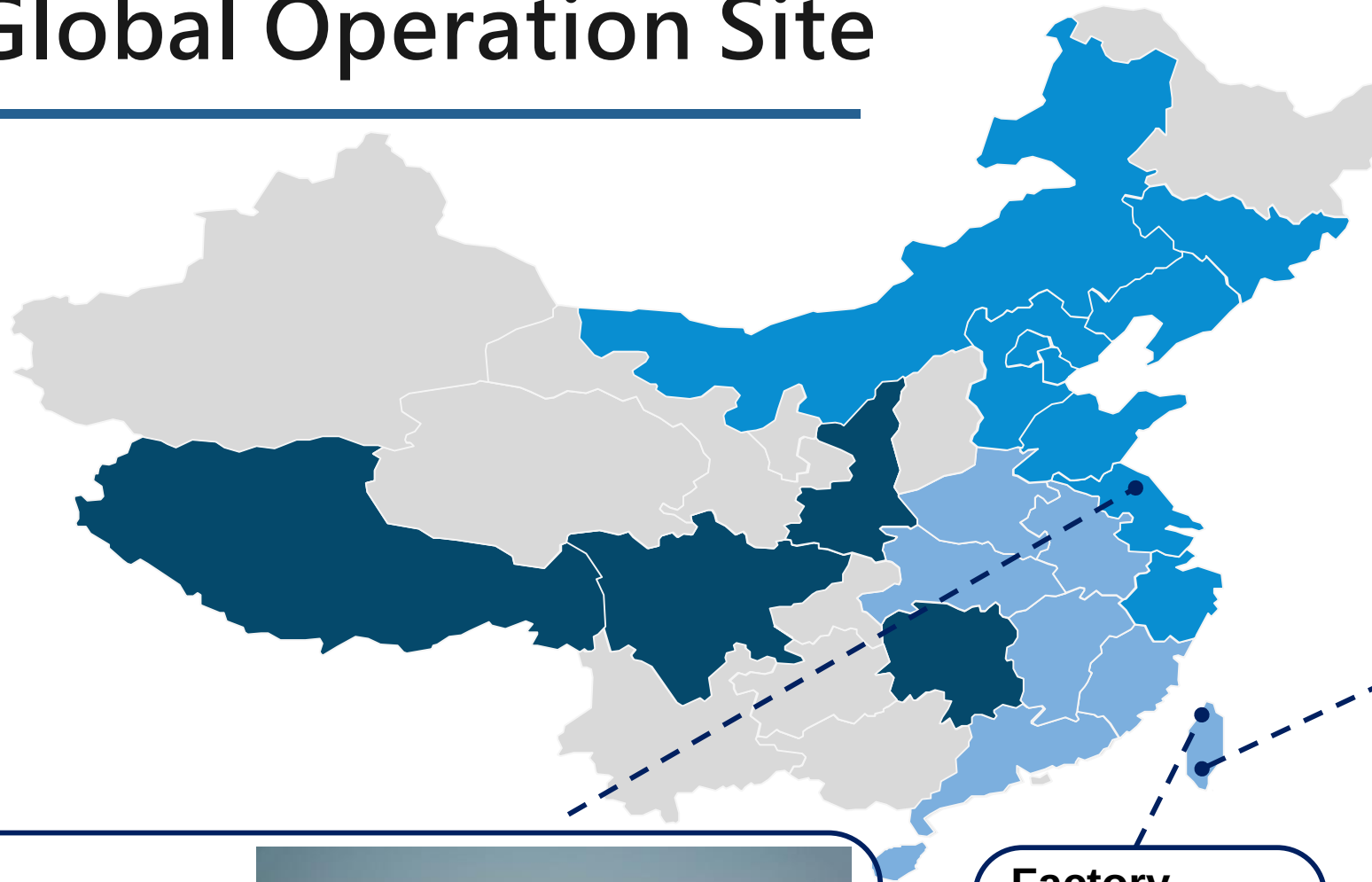
833 Million

Business

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



Global Operation Site



Subsidiary

◆ Kunshan
Jiangsu

Factory Area:
20,000 m²



Factory

◆ Hsinchu
◆ Taichung

Headquarters

Kaohsiung/Taiwan

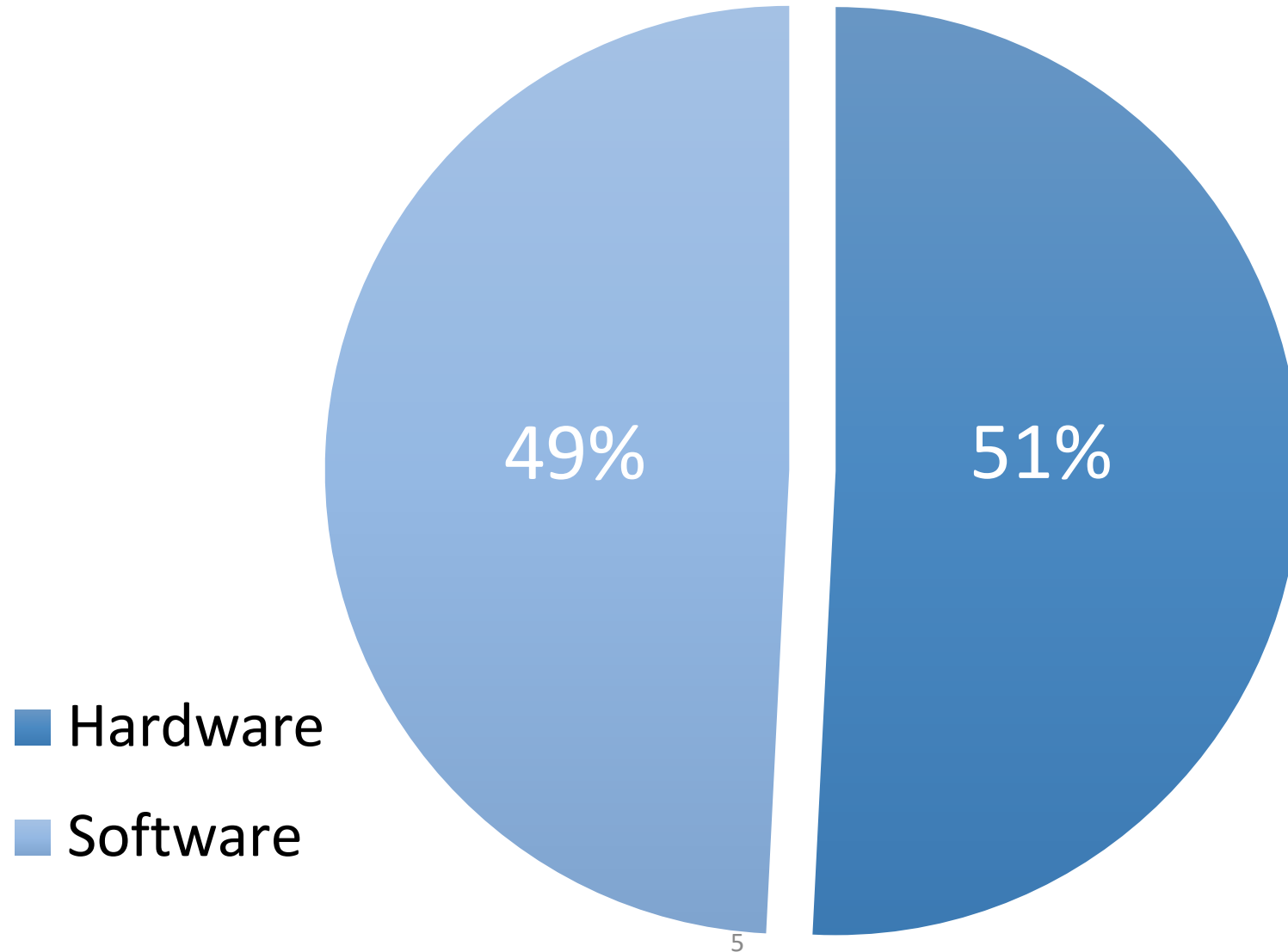
Factory Area: 27,000 m²



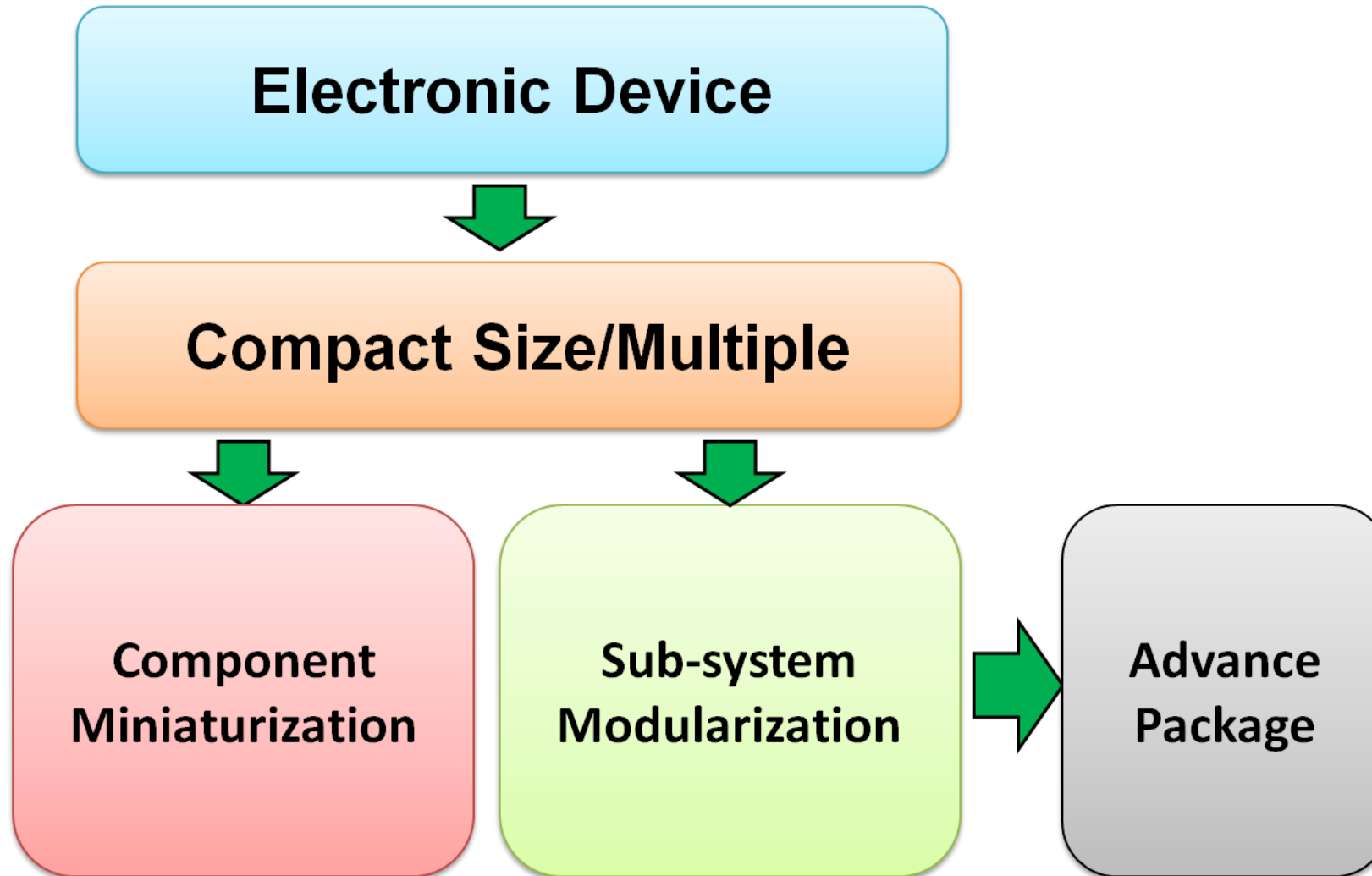
Human Resources R&D

60%
R&D

Human Resources R&D



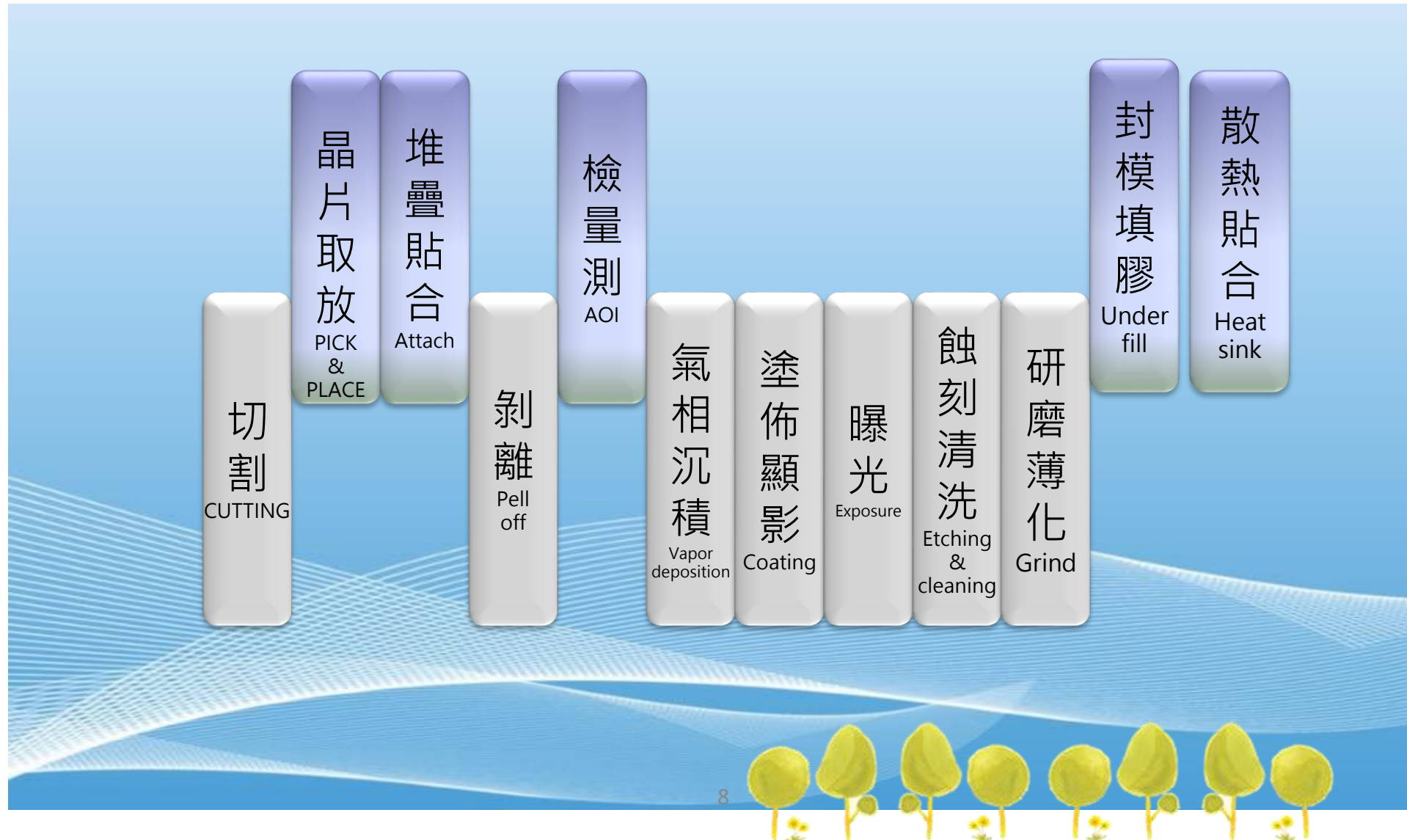
Industry Overview



Advance Package

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	

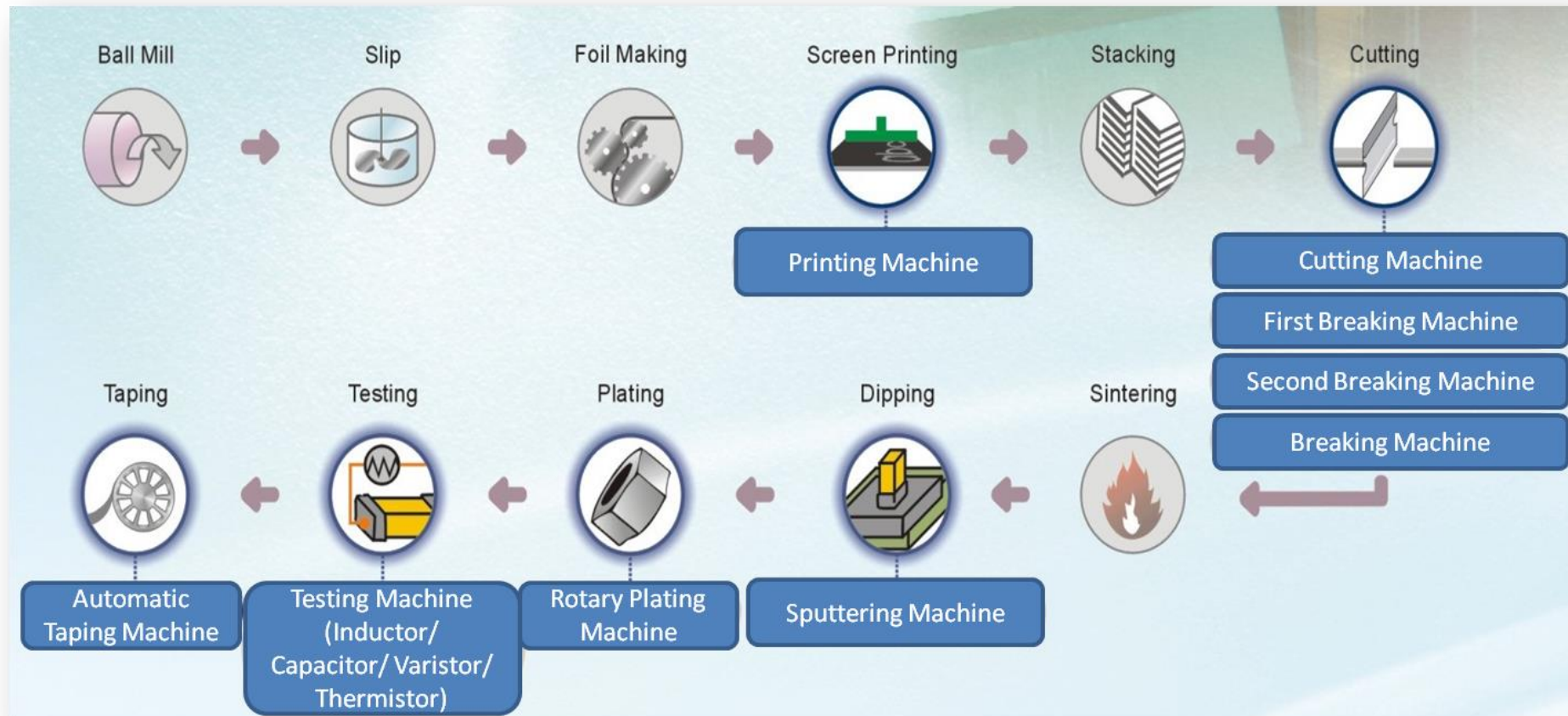
Allring in 3D Fabric Process



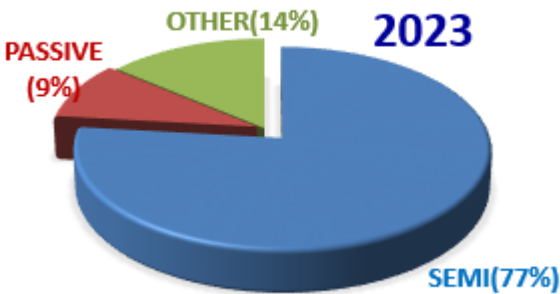
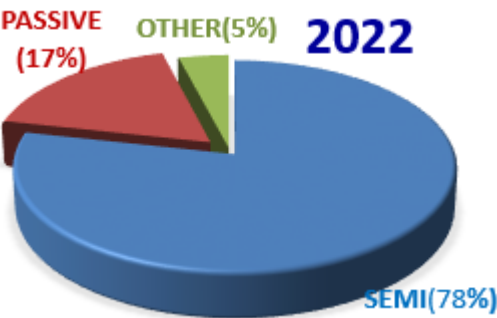
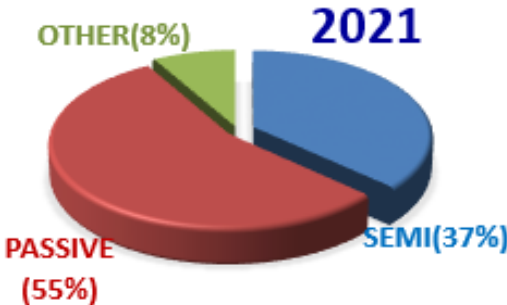
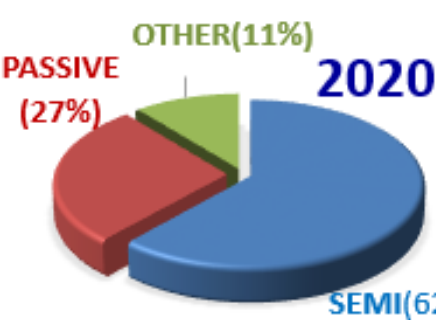
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graph TD; S1["N/A  
BGA"] --> S2["RK-ISA3010  
Substrate Inspection"]; S2 --> S3["RK-ISC1000  
Substrate to Magazine"]; S3 --> S4["RK-IDF1600  
Flux Jetting"]; S4 --> S5["N/A  
Post-Flux Jetting AOI"]; S5 --> S6["RK-ISL5100  
Loader"]; S6 --> S7["RK-ILC5100  
Transport System"]; S7 --> S8["N/A  
Die Bonding"]; S8 --> S9["RK-IBA1000  
Post-Die Bond AOI"]; S9 --> S10["N/A  
Curing"]; S10 --> S11["RK-IUC2000  
Post-Curing AOI+Unloader"]; S11 --> S12["RK-ISL5000  
Cleaning Loader"]; S12 --> S13["RK-ICB1000  
Cover Change"]; S13 --> S14["N/A  
Cleaner"]; S14 --> S15["RK-IUA1000  
Post-Cleaning AOI/ Unloader"]; S15 --> S16["RK-ISL5100  
Loader"]; S16 --> S17["RK-IDF1000  
Underfill"]; S17 --> S18["RK-BMA1000  
Post-Underfill AOI+Unloader"]; S18 --> S19["RK-ISL5100  
Loader"]; S19 --> S20["RK-IDC1400  
Dispenser"]; S20 --> S21["RK-IDA1500  
Post-Dispenser AOI"]; S21 --> S22["RK-ILA1000  
Heat sink Attach"]; S22 --> S23["RK-IHS2000  
Heat Clamp"]; S23 --> S24["RK-IDA1500  
Post-Attach AOI"]; S24 --> S25["RK-IB600L-W  
Ball Mounter"]; S25 --> S26["N/A  
Curing"]; S26 --> S27["RK-ISL0500  
Post-Ball Mount AOI"]; S27 --> S28["RK-ISA3000  
Six-side Visual Inspection"];
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Step	Equipment	Process
1	N/A	BGA
2	RK-ISA3010	Substrate Inspection
3	RK-ISC1000	Substrate to Magazine
4	RK-IDF1600	Flux Jetting
5	N/A	Post-Flux Jetting AOI
6	RK-ISL5100	Loader
7	RK-ILC5100	Transport System
8	N/A	Die Bonding
9	RK-IBA1000	Post-Die Bond AOI
10	N/A	Curing
11	RK-IUC2000	Post-Curing AOI+Unloader
12	RK-ISL5000	Cleaning Loader
13	RK-ICB1000	Cover Change
14	N/A	Cleaner
15	RK-IUA1000	Post-Cleaning AOI/ Unloader
16	RK-ISL5100	Loader
17	RK-IDF1000	Underfill
18	RK-BMA1000	Post-Underfill AOI+Unloader
19	RK-ISL5100	Loader
20	RK-IDC1400	Dispenser
21	RK-IDA1500	Post-Dispenser AOI
22	RK-ILA1000	Heat sink Attach
23	RK-IHS2000	Heat Clamp
24	RK-IDA1500	Post-Attach AOI
25	RK-IB600L-W	Ball Mounter
26	N/A	Curing
27	RK-ISL0500	Post-Ball Mount AOI
28	RK-ISA3000	Six-side Visual Inspection

Passive Component Production Process



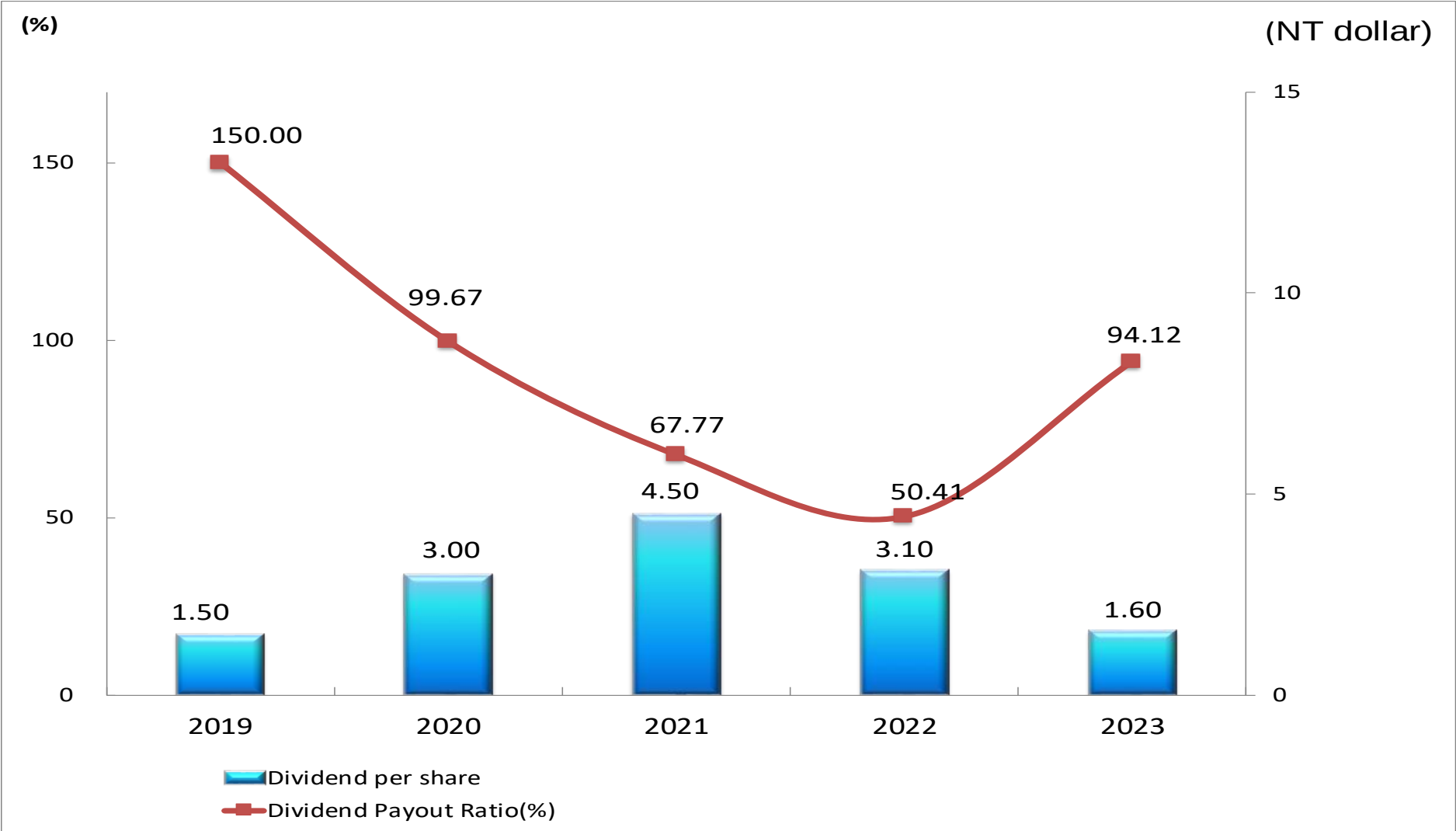
財務資料



NT\$100M

	2020		2021		2022		2023	
SEMI	9.28	62%	9.60	37%	17.63	78%	9.25	77%
PASSIVE	4.14	27%	14.29	55%	3.93	17%	1.12	9%
OTHER	1.64	11%	2.15	8%	0.92	5%	1.68	14%
TOTAL	15.06	100%	26.04	100%	22.48	100%	12.05	100%

Financial Highlights





Thank you!