

Allring

All Ring Tech Co., Ltd. Stock Code:6187.TT



**Auto Equipments
Solution Provider**

Disclaimer

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All prospects reflect Allring-tech expectations toward the future, and may be subject to change and Allring-tech reserves the right to alter, update and change relevant information from time to time without prior notice.

Company Profile

Established	May 24, 1996
Capital	NTD 842 Million (USD 27 Million)
Business	Automation equipment supplier for Semiconductor test & package, Passive Component manufacturing and LED back-end industries
Employee	197 (AUG, 2017)
Chairman	Larry Lu
Address	No.1 Luke 10th Rd. ,Lujhu,Kaohsiung,Taiwan
Website	www.allring-tech.com.tw

Global Operation Site



Headquarters:
Kaohsiung/Taiwan



Subsidiary :
Kunshan/Jiangsu



Industry Overview

Electronic Device



Compact Size/Multiple



**Component
Miniaturization**



**Sub-system
Modularization**

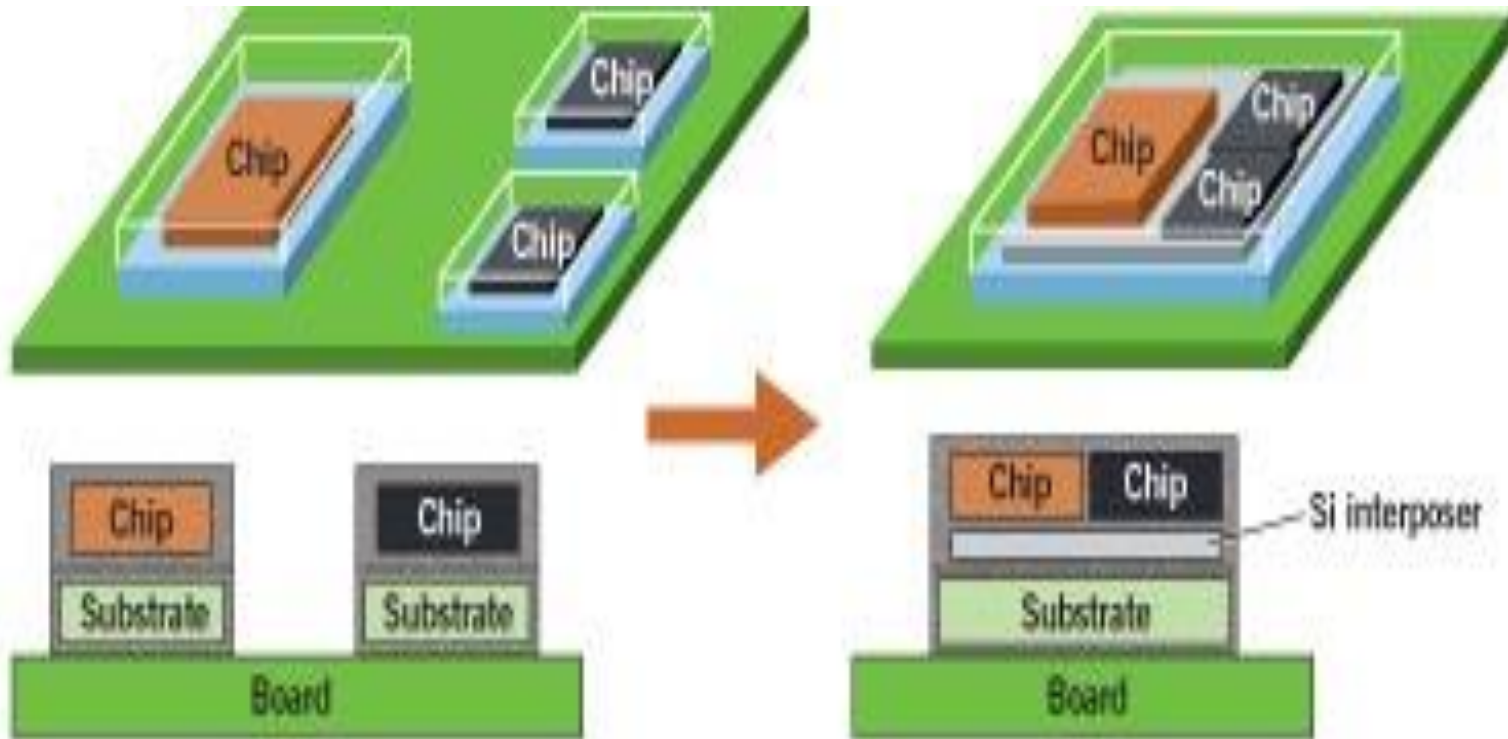


**Advance
Package**

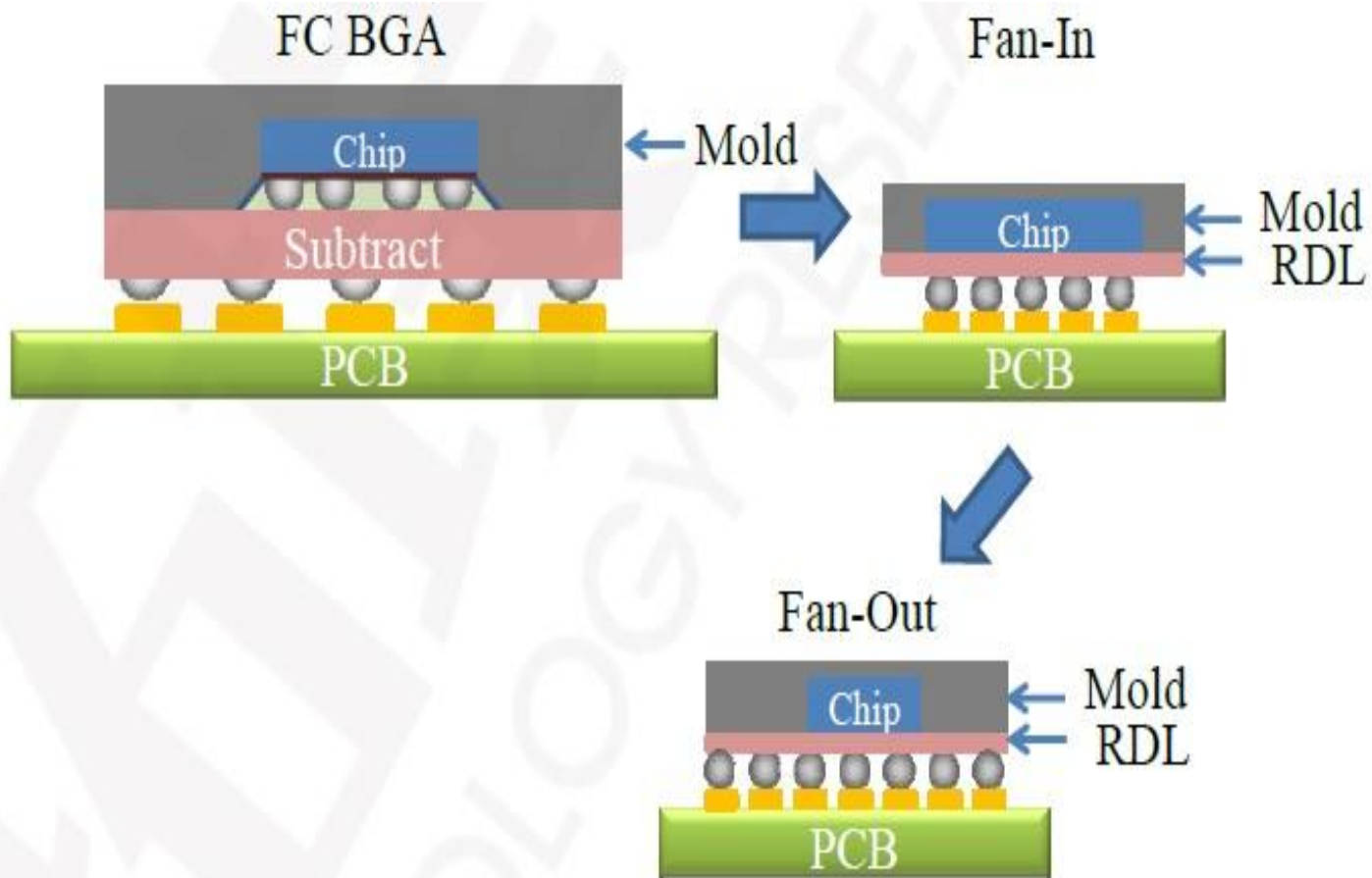
Advance Package

Packaging Type		Figure	Manufacturer		Application
SIP (system in package)		Page 7,8	OSAT	ASE	Smart phone IoT Mobile
				USI	
			Module house	Hon Hai	
				Pegatron	
WLP (wafer level package)		Page 9	Foundry	TSMC	Smart Phone
				CoWoS	
Flip chip	2D/3D	Page 10	OSAT	ASE	Smart Phone IoT Mobile
				Spil	
				Amkor	
				JCET	
				Powertech	

System in Package (SiP)

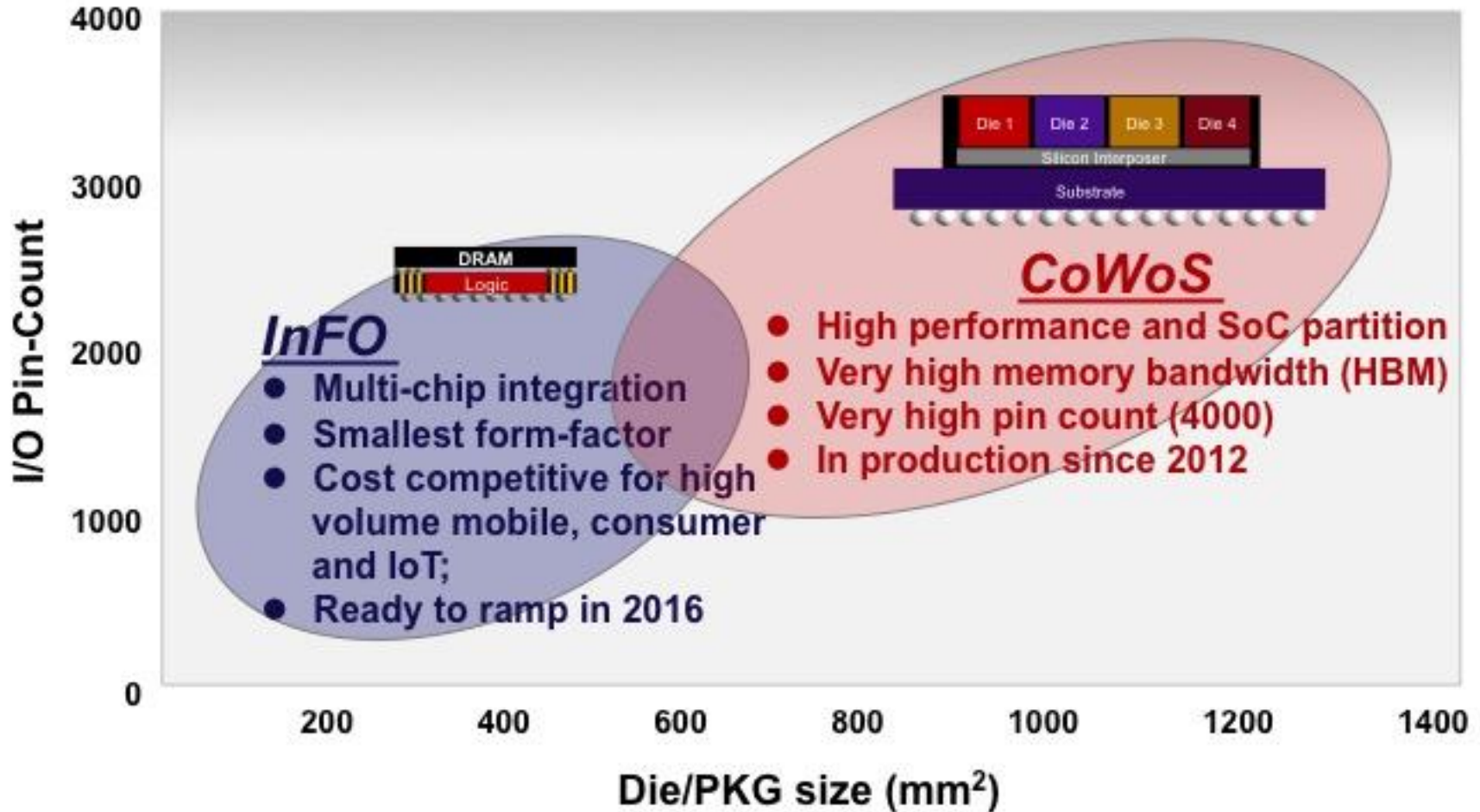


Flip-chip & wafer-level packaging



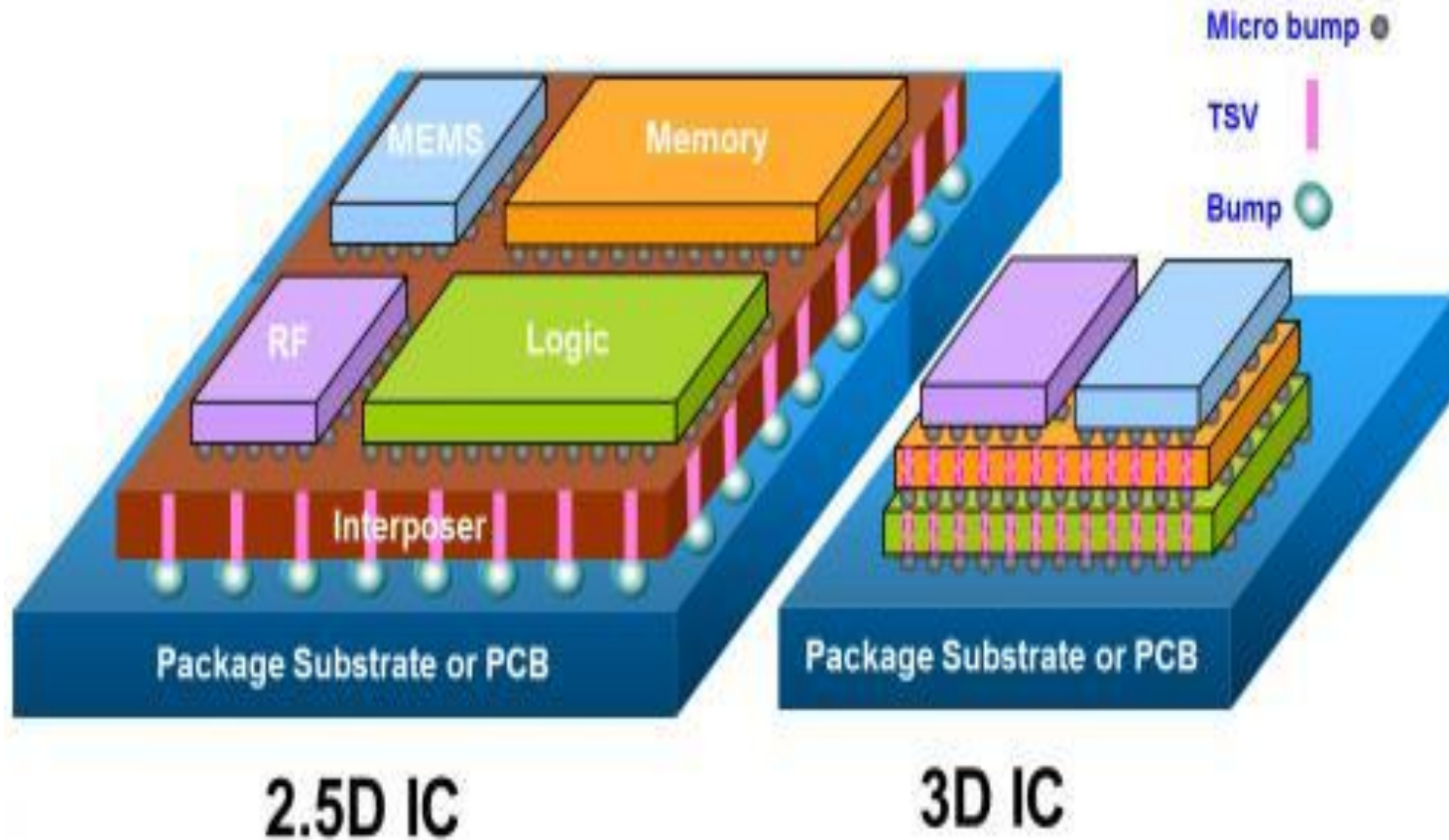
Source: TRI

TSMC's InFO & CoWoS

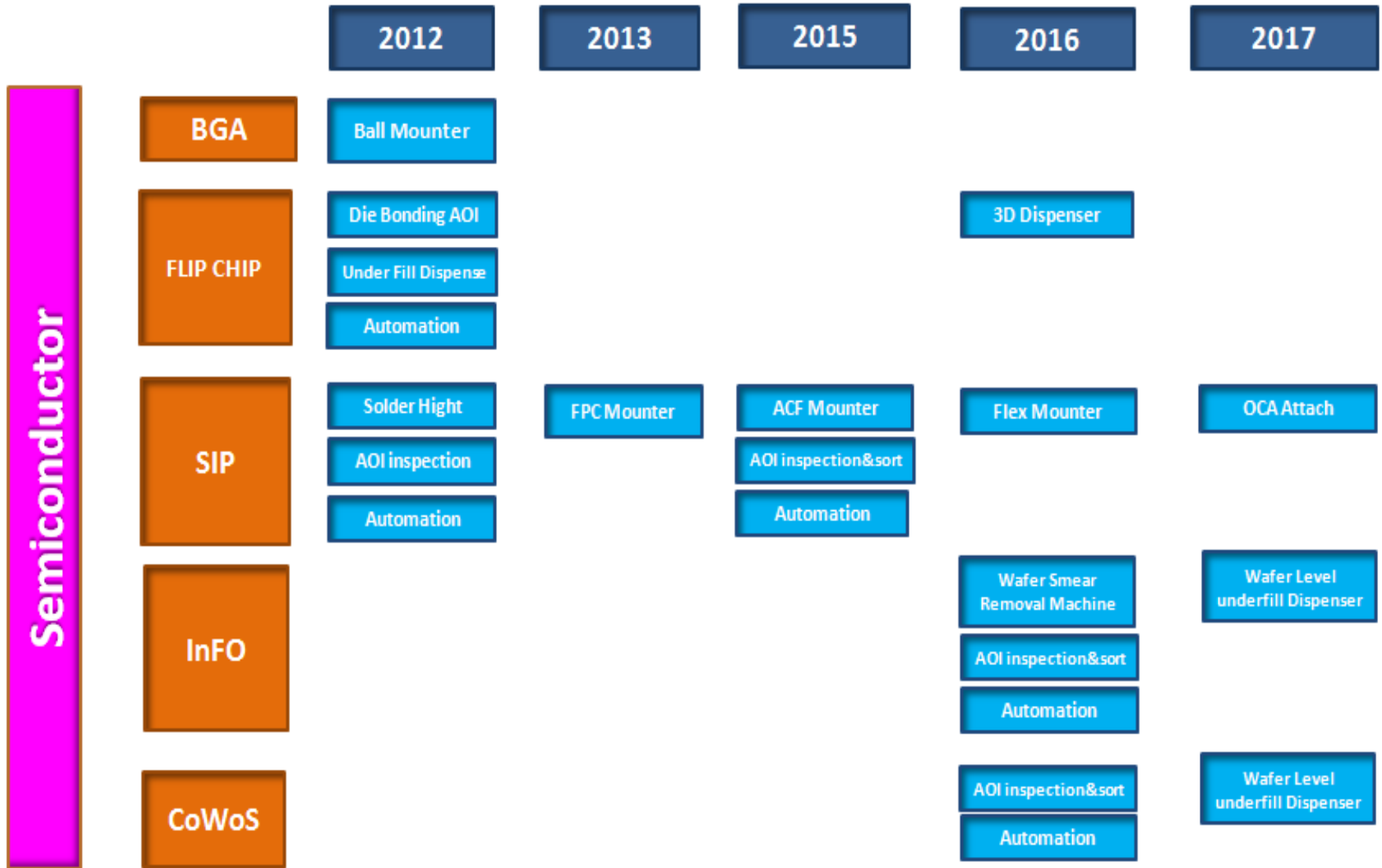


Source: TSMC

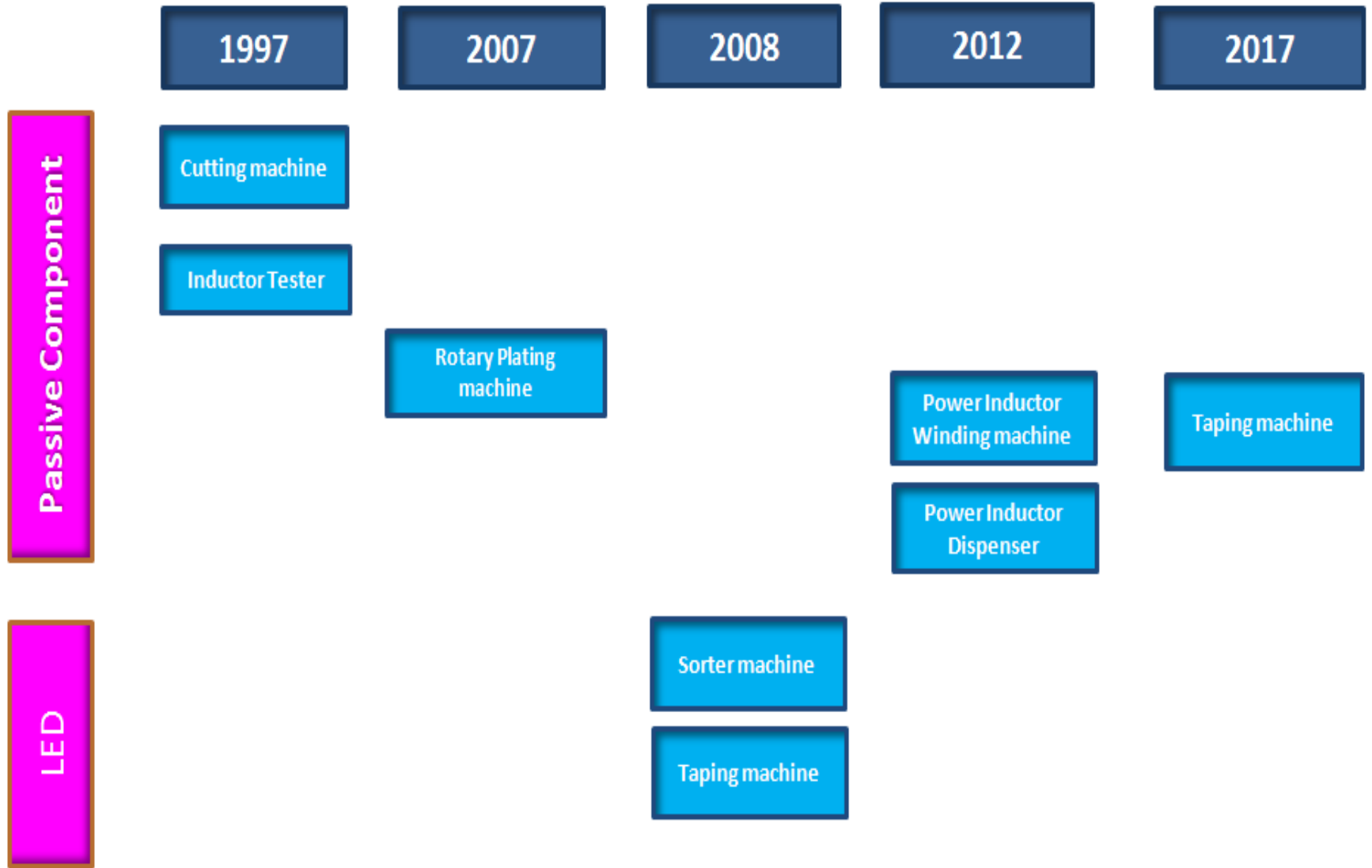
2.5D & 3D IC Packaging



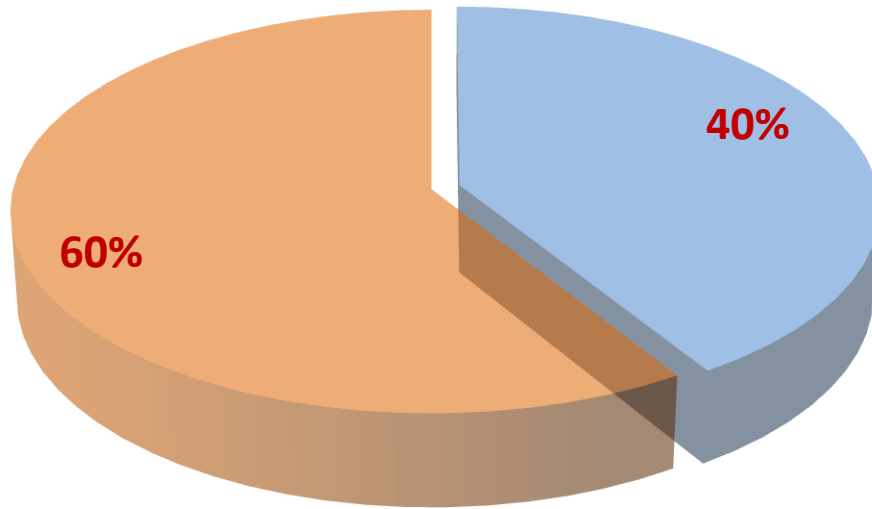
Product Portfolio—Semiconductor



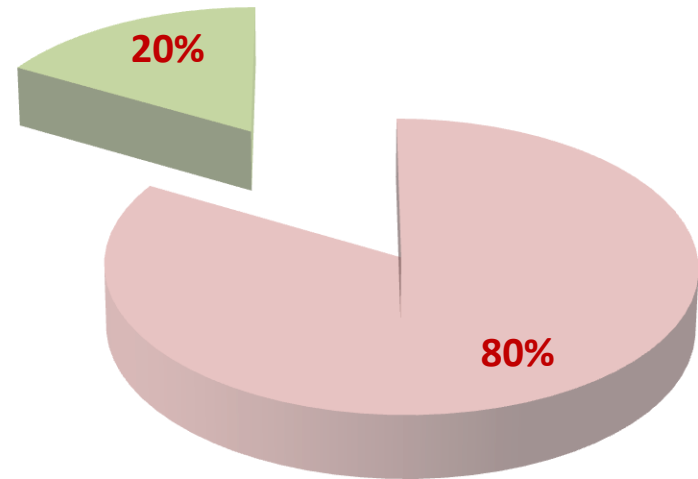
Product Portfolio—Passive Component/LED



Human Resources- R&D Background



- Hardware
- Software



- Motion Programming
- Visual System

Dispensing Pump (Valve) Line-Ups

Dispensing
Control

0.1mg \pm 5%

INK- Jet Printer

Piezoelectric Jetting Pump

Jetting
Pump

Linear Pump

1mg \pm 5%

Air pulse dispenser
simplified/basic/advanced

Screw Pump

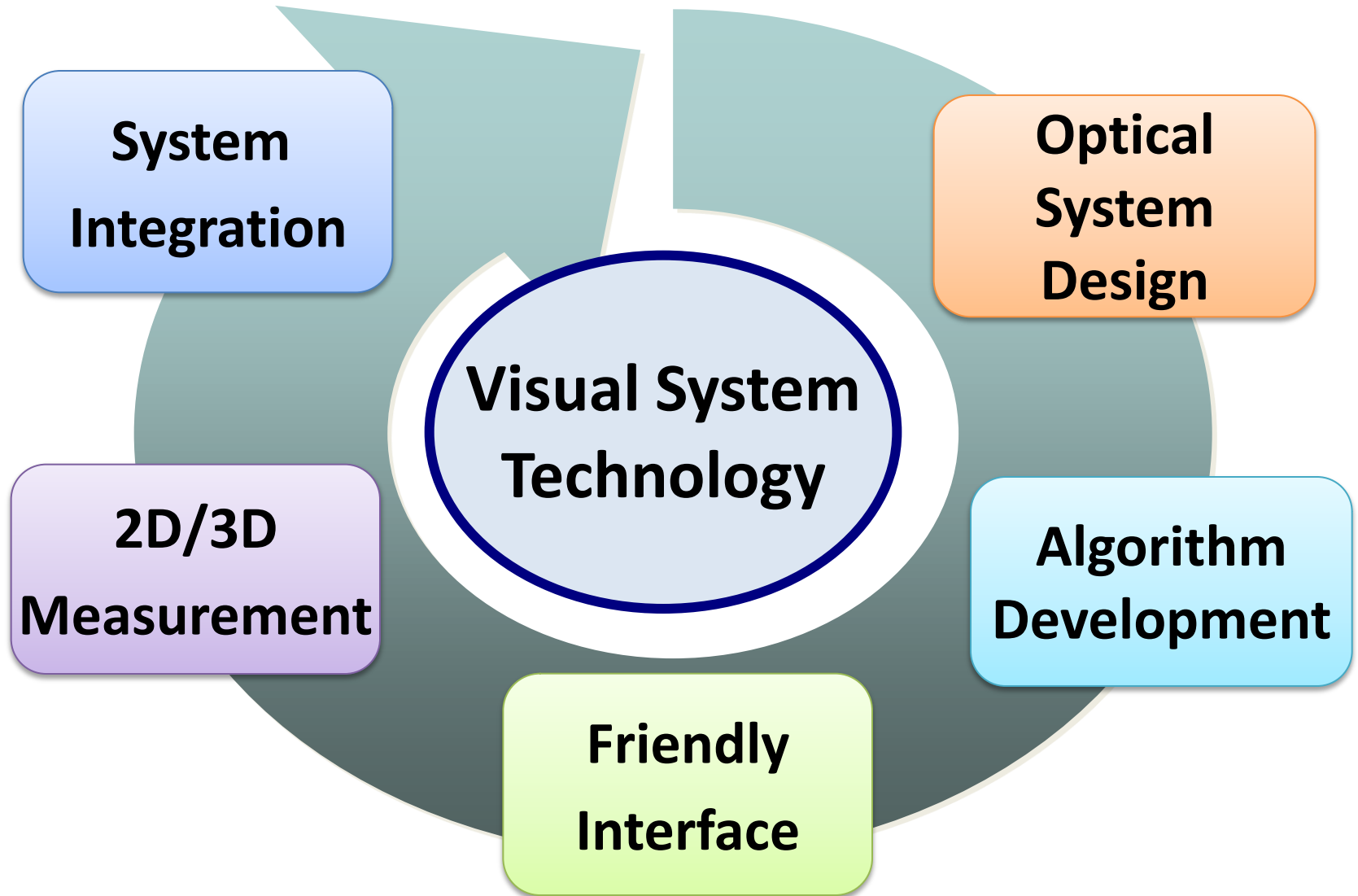
Spray Pump

10mg \pm 5%

1 10 100 1,000 10,000 100,000 1,000,000 CPS

Viscosity




























Visual System Technology



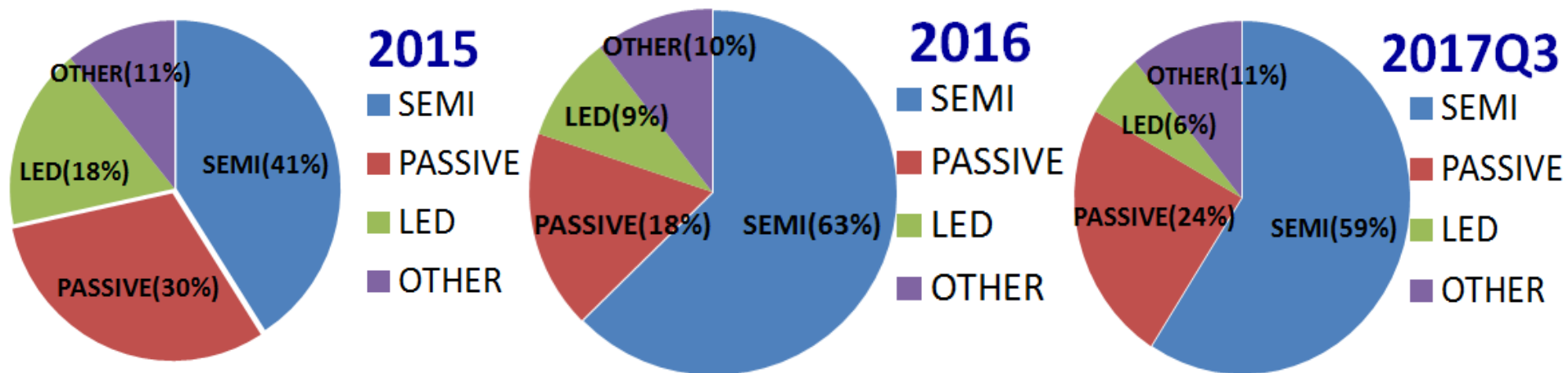
Numbers of Patents

Market Segment	Granted	Pending
Semiconductor	51	28
Passive Component	58	29
LED	12	22
FPD	7	0
Other	9	2
PCB	0	5
TOTAL	137	86

Customer Base

Semiconductor	Passive Component	LED
       	            	     

Revenue Breakdown



NT\$100M

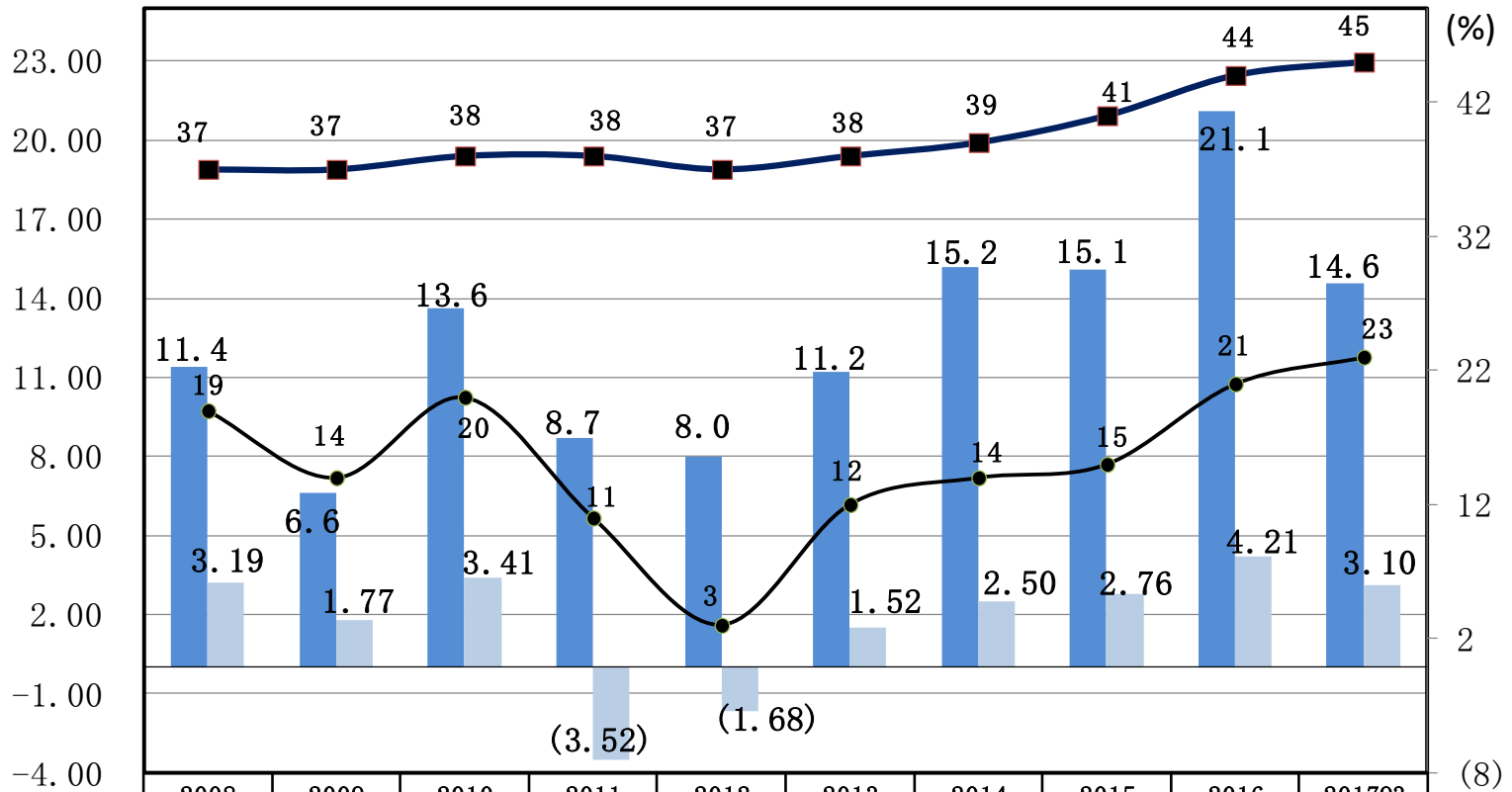
2015

2016

2017Q3

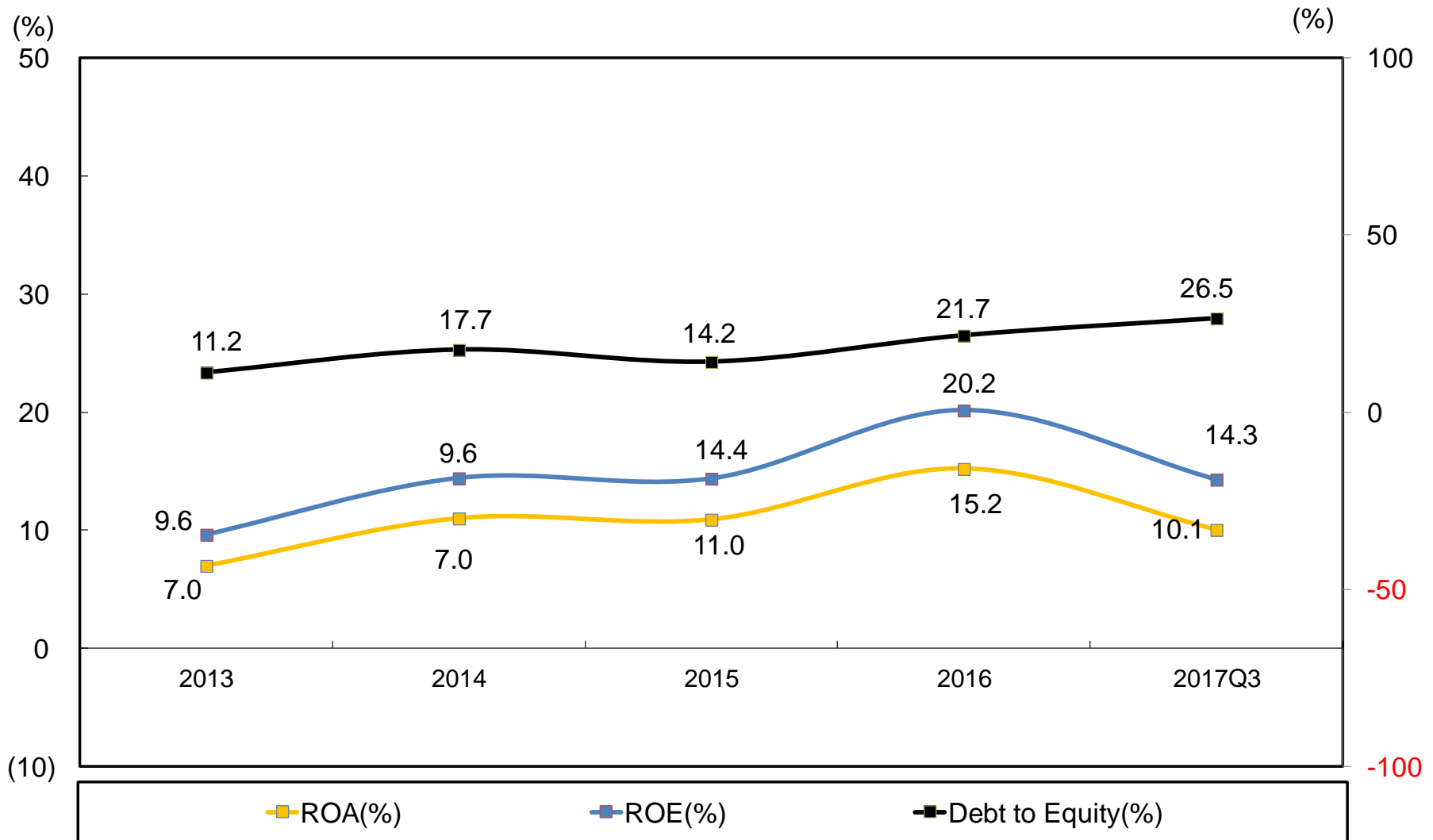
	2015		2016		2017Q3	
SEMI	6.17	41%	13.23	63%	8.62	59%
PASSIVE	4.62	30%	3.70	18%	3.50	24%
LED	2.64	18%	1.97	9%	0.86	6%
OTHER	1.64	11%	2.22	10%	1.60	11%
TOTAL	15.07	100%	21.12	100%	14.58	100%

Financial Highlights

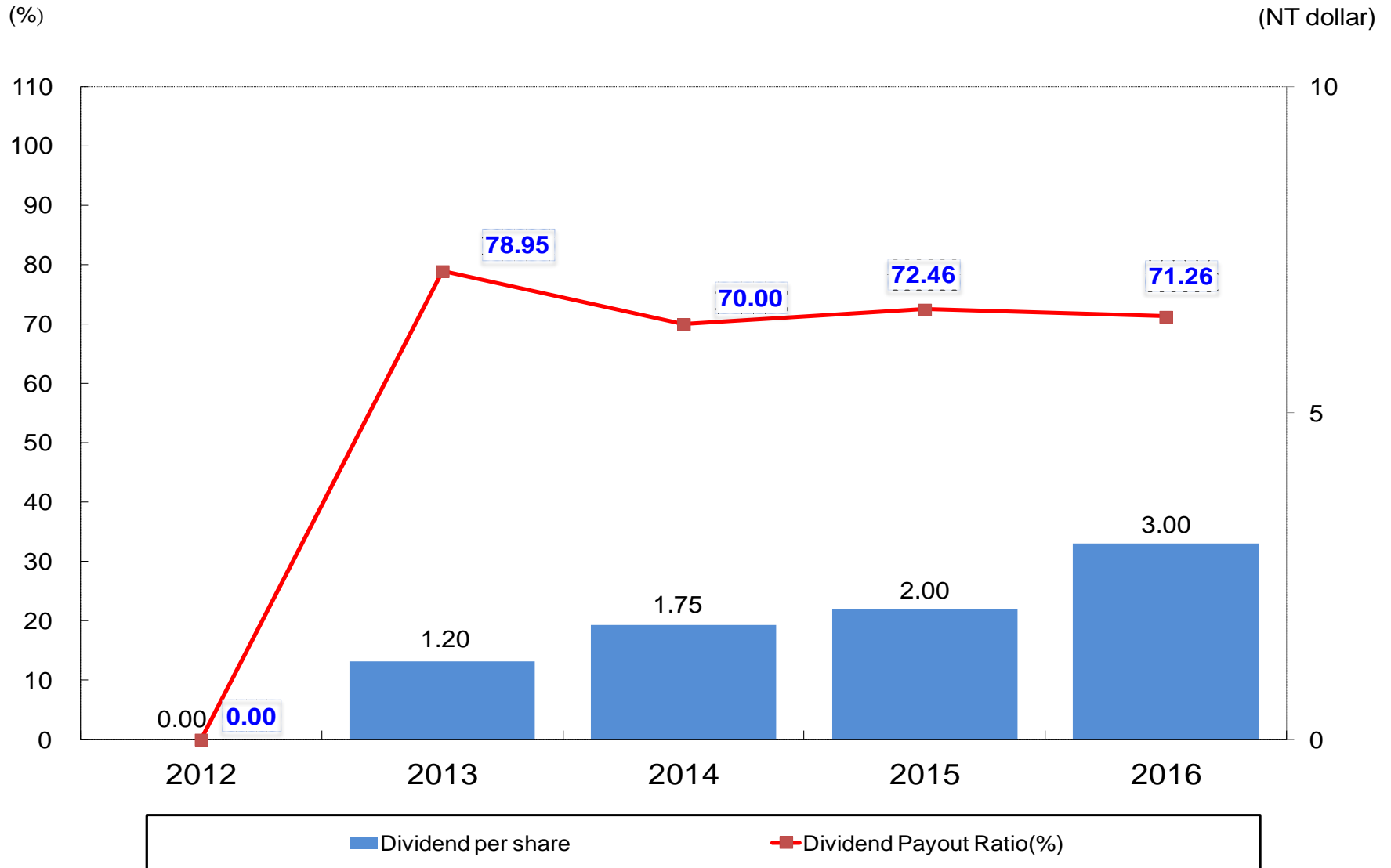


■ Sales (NT\$100mn)	11.4	6.6	13.6	8.7	8.0	11.2	15.2	15.1	21.1	14.6
■ EPS (NT\$)	3.19	1.77	3.41	(3.52)	(1.68)	1.52	2.5	2.76	4.21	3.1
■ GM (%)	37	37	38	38	37	38	39	41	44	45
● OPM (%)	19	14	20	11	3	12	14	15	21	23

Financial Highlights



Financial Highlights



Q & A

