

Investor Conferences Q4 2020

Sitronix Technology Corp.
矽創電子股份有限公司
8016: TT

The background features a dynamic arrangement of overlapping, semi-transparent squares in various colors including purple, blue, green, and orange. These squares are scattered across the slide, with some appearing as simple outlines and others as solid blocks. Interspersed among these squares are patterns of small dots, some solid and some outlined, creating a sense of depth and movement.

Sitronix

About Sitronix

Company Name	Sitronix Technology Corp.
Established	July 9, 1998
Capitalization	USD 40 million
Chairman and CEO	Vincent Mao
IPO Listing	December 25, 2003 (8016)



Consolidated

矽創電子

Sitronix

Display Driver IC



Incubator since 2009

Product Portfolio

Mobile Displays

Industrial & Automotive Displays

Sensors

SoC

Mobile
Display
Driver IC
手機顯示器

Automotive
Display
Driver IC
車載顯示器

Industrial
Display
Driver IC
工控顯示器

System on
Chip (SoC)
products
其他非顯示器 IC



Subsidiaries



Sitronix

Subsidiaries

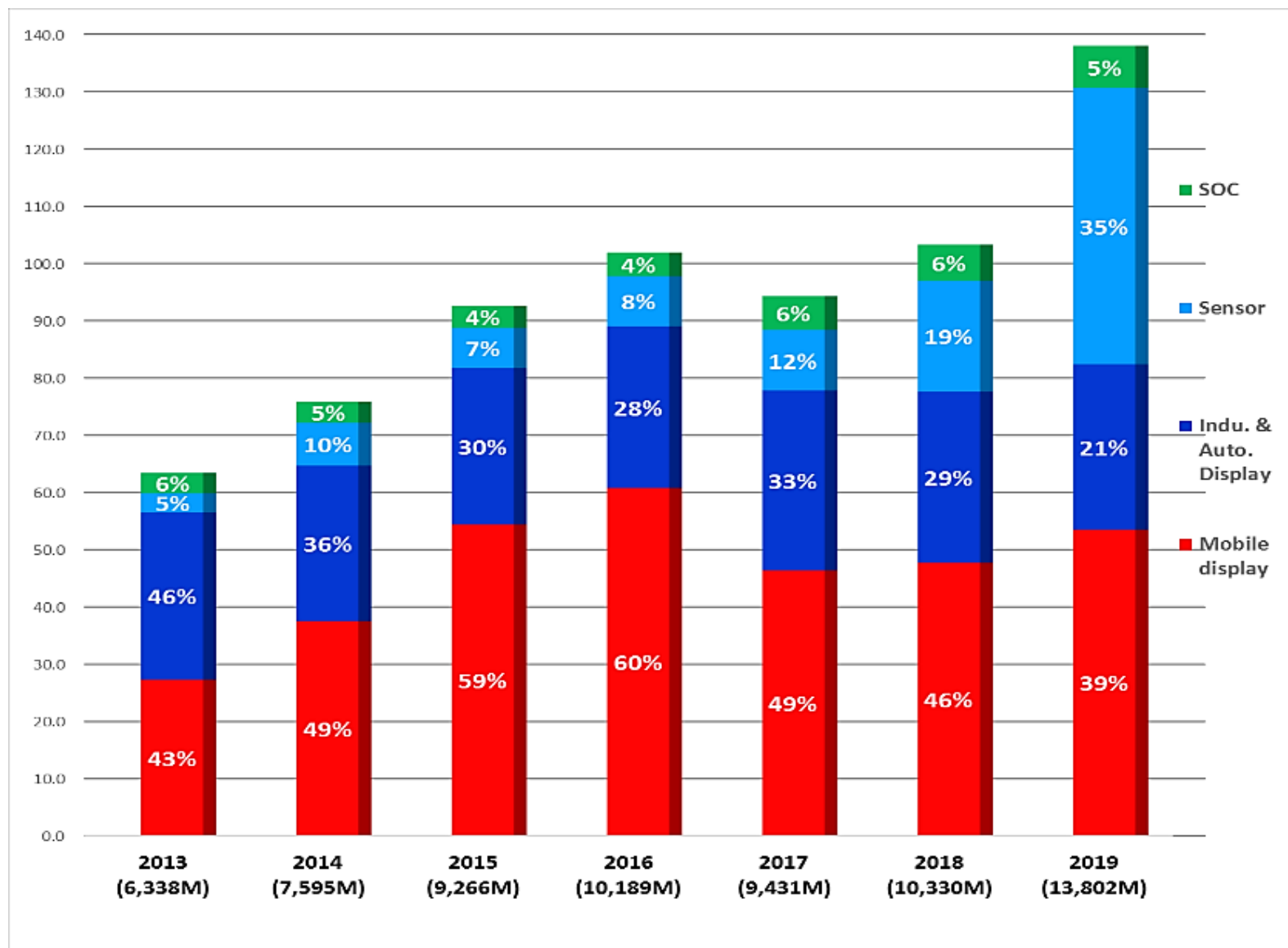


Differentiation

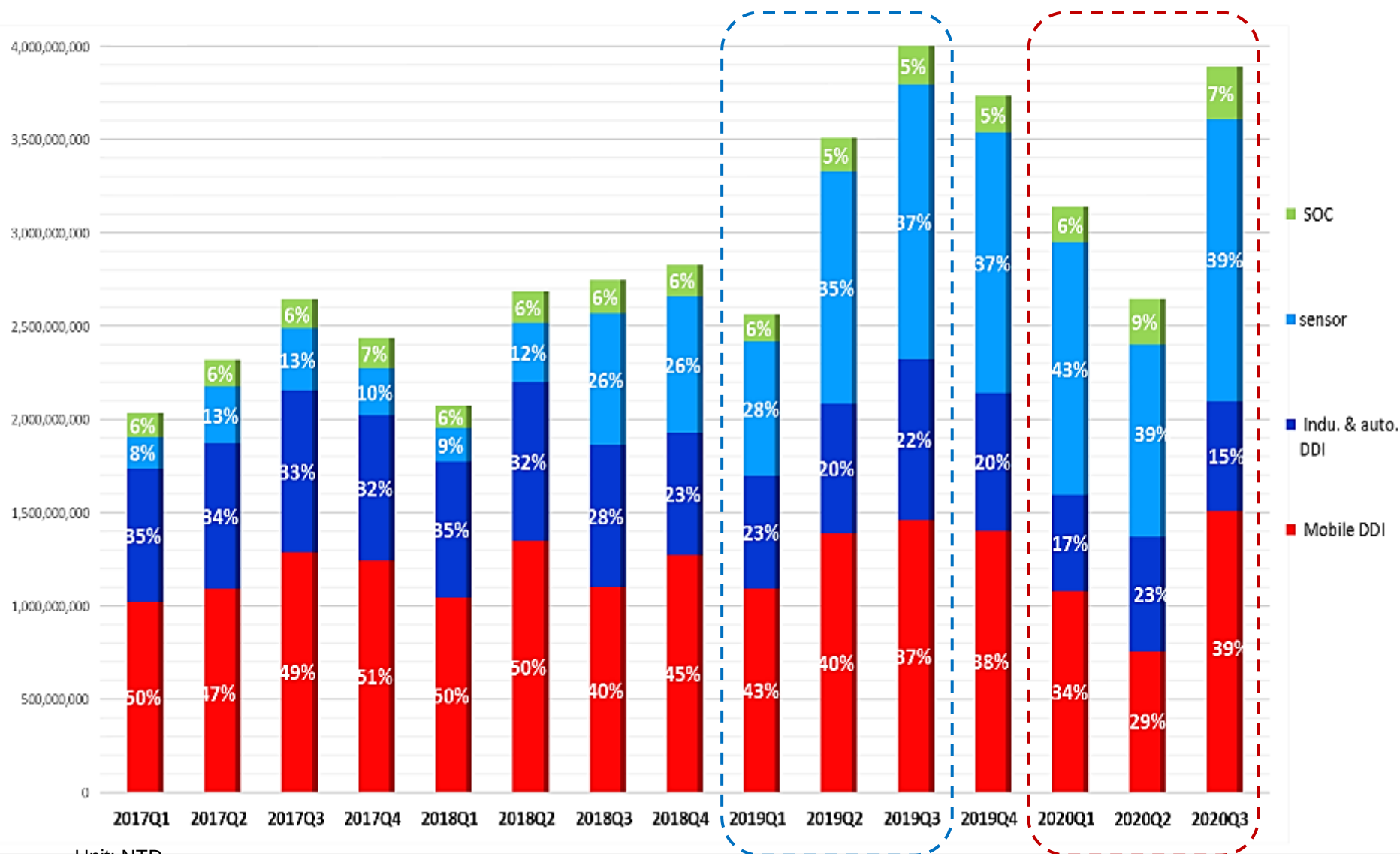
Diversification

Incubator

Product Mix



Revenue by Product



Unit: NT\$

Sitronix Confidential. Do Not Copy or Distribute.

Mobile Display Driver ICs

Small-sized DDIC - zeroCap

2018: ~ 500M pcs
2019: ~ 400M pcs
1Q~3Q_2020: > 215 pcs



Smartphone DDIC - zeroCap

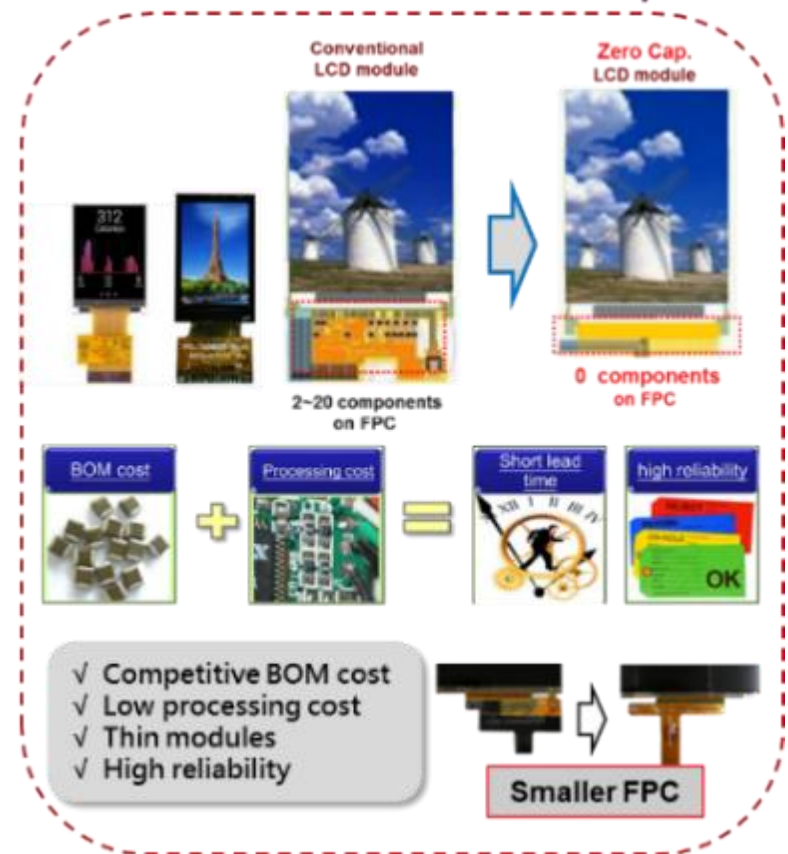
2018: > 130M pcs
2019: > 250M pcs
1Q~3Q_2020: > 230 pcs



Differentiation

Sitronix's Patents

zerocap



Automotive Display Driver ICs

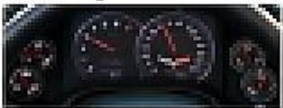
Diversification

< 6 inch displays

7 - 9 inch displays

Instrument Cluster Display

Analog



No Display

Hybrid (Analog + Digital)



Meters

Full Digital



Virtual Cockpit



Automobile Monitors



Multi-Function CSD



Display Audio



Climate Control



Twin CSDs
Display Audio
+
Navigation



Rearview Mirror Display



Overhead Monitor



Dual Headrest

Segment TN

Character TN

Graphic STN

Mono TFT

Color TFT



Diversification

TN / STN / mono TFT / color TFT



SOC



合肥創發微電子 HFST

Touch controller & FPIC

Established - 03/22/2018
Opening - 09/18/2018

公司名称	合肥创发微电子有限公司
成立日期	2018.03
董事长	陈儒宏
总经理	赵建源
地址	安徽省合肥市高新区创新大道2800号 创新产业园二期J2区A栋19层
网址	www.hf-st.com.cn

Incubator

Automotive

Industrial

Wearable

Consumer



Zero capacity

- DC LDO
- No external parts
- Smallest FPC



Excellent EMC

- ESD
- EMI → Sinusoidal TX
- Touch & FP over 40 patents



Noise Immunity

- Low voltage AFE
- High performance ADC
- SNR > 50dB

High SNR

- Dynamic frequency hopping
- Dynamic threshold
- Display Sync. function

Consumer



Wearable



Industrial



Automotive



光學感測晶片 Optical Sensors

Optical sensor applications :

Proximity Sensors (PS)

近接感測晶片 → 關屏(防誤觸)
turn off display (Anti-touch)

Ambient Light Sensors (ALS)

環境光感測晶片 → 調節螢幕亮度
screen brightness control

Color temperature Sensors (RGB)

色溫感測晶片 → 調節螢幕色溫
screen color temperature control



PS + ALS shipment

2018 : >340M pcs

2019 : >600M pcs

1Q~3Q_2020 : > 520M pcs

Ambient light detection series

G1. PS (w/T) + ALS (2in1 visible solution)

G2. PS (w/T) + ALS (2in1 invisible solution) **2018**

- Under-display (屏下方案) → for AMOLED displays

- Slit type (狹縫方案) → for TFT displays (w/ backlight)

Color detection series (**flagship solution**)

G3. PS (w/T) + RGB sensors (visible solution) **3Q_2019**

(for better reading experience / 提供最佳閱讀體驗)

Screen evolution



PS / ALS Location

Waterdrop Screen

狹縫(Slit) ALS/PS

狹縫(Slit) PS / 屏下 ALS

前攝旁 ALS/PS
(Aside of Front Facing Camera)



Bezel-less Screen

屏下(Under-display) ALS/PS

狹縫 (Slit) PS / 屏下 Under-display ALS



Sensitivity evolution → AMOLED display

- G1. PS (w/T) + ALS (**visible** sensor hole solution) **x1**
- G2. PS (w/T) + ALS (**invisible** sensor hole solution) → **Sensitivity x3 → x6 → x10**
- Under-display solution (for AMOLED displays)
 - Slit type solution (for TFT displays w/ backlight)
- G3. PS (w/T) + **RGB** sensors (**visible** sensor hole solution) → **invisible solution (G4)**

水滴屏 (Teardrop-shaped)



全景屏(Full screen)



瀏海屏(Notch type)



開孔屏(Aperture type)



PS & ALS upgrade due to :

1. Display resolution increase
 2. PPI density increase
 3. AMOLED penetration increase
- ... resulted transparency decrease**

Boost ASP increase



16:9 → 18:9 → 19:9 ...

微機電感測晶片 MEMS sensors

G-sensor shipment

2018 : >30M pcs

2019 : >55M pcs

1Q~3Q_2020 : > 52M pcs



Accelerometers (G-sensors)

→ Rotation detection

加速度感測器 → 屏幕旋轉偵測

✓ G-sensors for smartphones

✓ Low-power G-sensors for wearable & IoT devices



屏幕旋轉
Screen rotation



自動靜音
Automatic mute



遊戲
Game control



手勢偵測
Gesture detection



接聽輔助
Answering aid



Optical Sensors + MEMS Sensors for Wearable devices and other Applications

Proximity sensing (距離感測)

Ambient Light sensing (環境光感測)

RGB color sensing (精準色溫感測)

UV sensor (紫外線感測)

2D / 4D gesture (2D/4D方向手勢感測)

Heartbeat detection (心律偵測)

Rotation detection (旋轉力度感測)

Click detection (敲擊偵測)

Step counter (計步偵測)



Gesture control



On/off control



Proximity detection
(ELA)



Ambient dimming control
(Smart speaker)



TWS (True Wireless Stereo earphone)

Accelerometer sensor → click detection (敲擊偵測)

P-sensor → on/off switch (功能啟用開關)



Smart watch / Fitness trackers

Accelerometer sensor → motion detection (移動偵測)

Optical sensor → heartbeat detection (心律偵測)



Support IoT related solutions



Consolidated Income Statement

Item	Q3 2020		Q2 2020		Q1 2019		Q1-Q4 2019		Q3 2019	
	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales
Net Sales	3,887,941	-	2,644,857	-	3,138,847	-	13,802,738	-	4,000,478	-
Gross Profit	1,253,220	32%	925,366	35%	1,011,677	32%	4,385,345	32%	1,280,271	32%
Operating Expense	628,945	16%	525,562	20%	569,936	18%	2,308,582	17%	630,271	16%
Net other income (expenses)	265	0%	662	0%	91,354	3%	9,663	0%	9,662	0%
Operating Income	624,540	16%	400,466	15%	533,095	17%	2,086,426	15%	659,662	16%
Income before Tax	628,840	16%	497,065	19%	549,896	17%	2,203,422	16%	693,490	17%
Net Income*	315,601	8%	291,899	11%	291,416	9%	1,230,588	9%	386,629	10%
EPS	2.63	-	2.43	-	2.43	-	10.27	-	3.22	-

Unit: NT\$ thousands (except EPS)

Accounting standard: IFRS

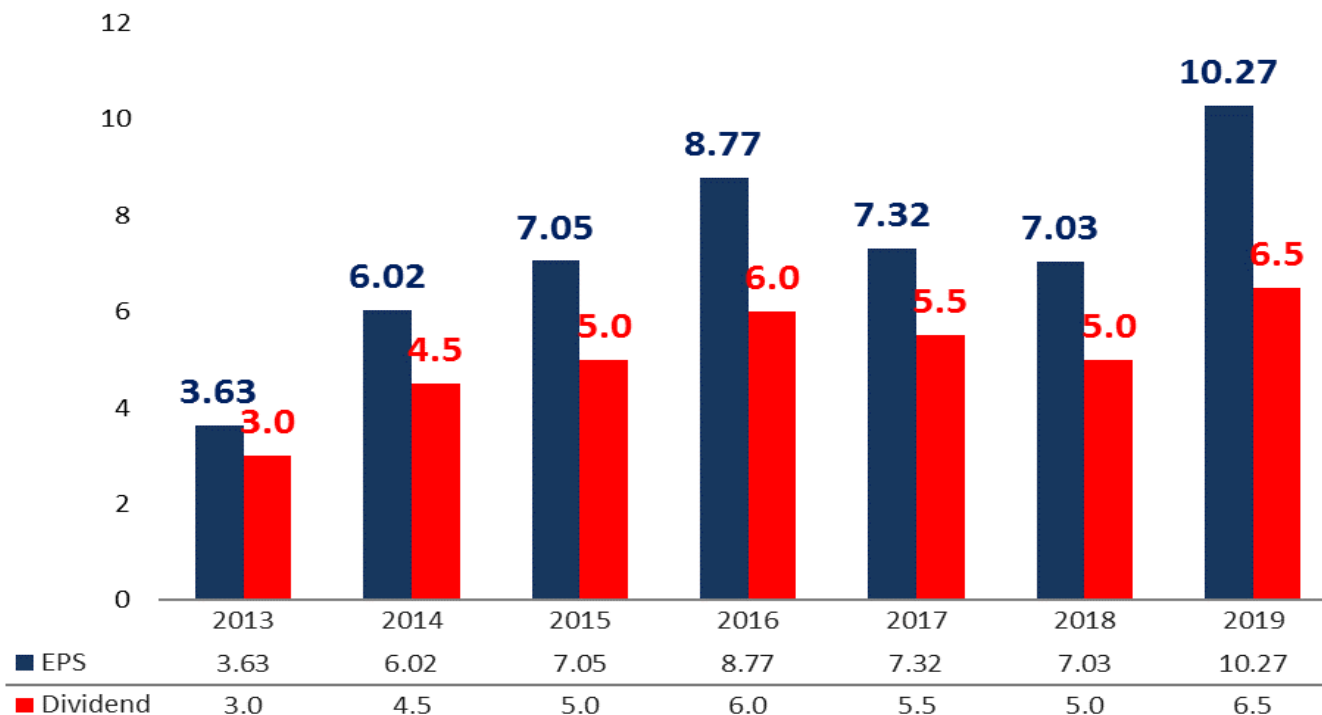
* Listed on the English translation of our financial statements as
"Profit (loss), attributable to owners of parent"

Consolidated Balance Sheet

Item	2020/9/30	2020/6/30	2020/3/31	2019/12/31	2019/9/30
Total Assets	12,691,112	13,313,165	11,315,424	10,760,904	10,013,046
Current Assets	10,741,502	11,320,483	9,386,607	8,626,168	7,945,341
Cash & Equivalents	3,751,335	4,123,024	3,356,031	2,932,647	2,944,608
AR	1,239,710	1,103,291	1,248,372	1,398,832	1,427,273
Inventory	1,818,842	2,495,793	2,387,205	1,909,664	1,731,420
Total Liability	3,886,615	5,046,401	5,630,077	4,155,212	4,003,106
AP	1,616,864	1,411,218	2,065,666	2,085,145	2,064,045
Shareholder Eqt.	8,804,497	8,266,764	5,685,347	6,605,692	6,009,940

Unit: NT\$ thousands
Accounting standard: IFRS

EPS & Dividends



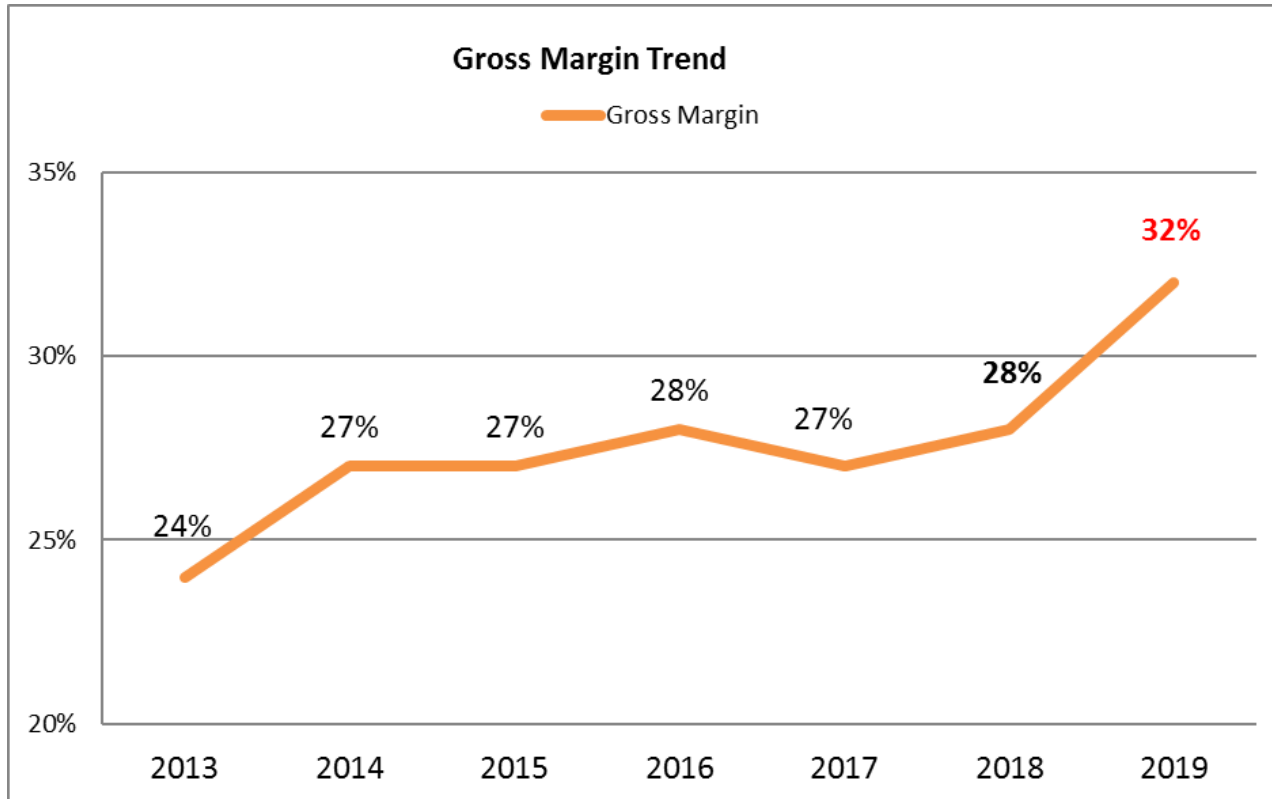
Year	Q1		Q2		Q3		Q4		Annual		Cash dividend	1-9 YoY EPS
	EPS	GM	EPS	GM	EPS	GM	EPS	GM	EPS	GM		
2020	2.43	32%	2.43	35%	2.63	32%						7.48
2019	1.70	33%	2.80	33%	3.22	32%	2.55	30%	10.27	32%	6.5	7.73
2018	1.10	24%	1.82	24%	2.37	33%	1.74	30%	7.03	28%	5.0	5.29

Unit: NT\$

Accounting standard: IFRS

Sitronix Confidential. Do Not Copy or Distribute.

Gross Margin trend



We'd love to hear from you !

Strategic Marketing Director

Jacky Chou 周德雲

+886-2-2659 1276 ext 2206

jacky_chou@sitronix.com.tw

Investor Relations Officer

Vivian Mao 毛廷方

+886-2-2659 1276 ext 2395

vivian_mao@sitronix.com.tw

Website: <http://www.sitronix.com.tw>

Taipei office:

6F., No. 608, Ruiguang Rd., Neihu Dist., Taipei City 114, Taiwan

台北市內湖區瑞光路608號6樓

Lighting up your life.

Sitronix