



— 致茂電子股份有限公司 —

2021年第2季業績發表電話會議

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- 財務數據
- 營運概況
- 問與答

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## 財務數據

Test  
Turnkey  
Automation  
Solution  
provider

# 2021年上半年合併損益表摘要

## 合併損益表

(單位: 佰萬新台幣, 除每股盈餘為新台幣元)

	<u>2021.1H</u>	%	<u>2020.1H</u>	%	YoY %
<b>淨營業收入</b>	<b>8,718</b>	<b>100%</b>	<b>7,200</b>	<b>100%</b>	<b>21%</b>
量測儀器事業部之合併營收(淨額)	6,705	77%	5,580	78%	20%
威光自動化事業部之合併營收	364	4%	306	4%	19%
日茂特殊材料事業部之合併營收	1,457	17%	1,171	16%	24%
其他	192	2%	143	2%	34%
營業成本	(4,546)	(52%)	(3,591)	(50%)	27%
<b>營業毛利</b>	<b>4,172</b>	<b>48%</b>	<b>3,609</b>	<b>50%</b>	<b>16%</b>
營業費用					
推銷管理費用	(1,947)	(22%)	(1,646)	(23%)	18%
研發費用	(746)	(9%)	(644)	(9%)	16%
<b>營業淨利</b>	<b>1,479</b>	<b>17%</b>	<b>1,319</b>	<b>18%</b>	<b>12%</b>
營業外收入及支出	1,898	22%	65	1%	2820%
稅前淨利	3,377	39%	1,384	19%	144%
所得稅費用	(609)	(7%)	(303)	(4%)	100%
<b>本期淨利</b>	<b>2,768</b>	<b>32%</b>	<b>1,081</b>	<b>15%</b>	<b>156%</b>
其他綜合損益淨額	207	2%	(69)	(1%)	n/a
<b>綜合損益總額</b>	<b>\$ 2,975</b>	<b>34%</b>	<b>\$ 1,012</b>	<b>14%</b>	<b>194%</b>
淨利歸屬於:					
本公司業主	2,729	31%	1,054	15%	159%
非控制權益	39	1%	27	-	44%
	<b>\$ 2,768</b>	<b>32%</b>	<b>\$ 1,081</b>	<b>15%</b>	<b>156%</b>
<b>每股盈餘(基本)</b>	<b>\$ 6.50</b>		<b>\$ 2.53</b>		<b>157%</b>
<b>每股盈餘(稀釋)</b>	<b>\$ 6.47</b>		<b>\$ 2.51</b>		<b>158%</b>

# 資產負債摘要及財務指標

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集團合併 (單位：佰萬新台幣)

## 資產負債摘要

	<u>2021. 6月</u>	<u>2020. 12月</u>	+ / - %
現金及流動金融資產	5,373	4,442	21%
存貨	3,308	3,028	9%
短期負債	1,333	3,187	- 58%
長期負債	1,598	2,405	- 34%
股東權益	17,510	16,389	7%
<b>總資產</b>	<b>28,815</b>	<b>28,129</b>	<b>2%</b>
存貨週轉天數	125	130	
應收帳款週轉天數	98	120	
應付帳款週轉天數	108	122	
淨負債資產比(%)	Net Cash	7%	
<b>股東權益報酬率(%)</b> ●	<b>14%</b>	<b>15%</b>	
<b>資產報酬率(%)</b> ●	<b>8%</b>	<b>7%</b>	

現金流量 (單位：佰萬新台幣)

	<u>2021.1H</u>	<u>2020.1H</u>	同期比較
未計利息稅項折舊及攤銷	3,661	1,631	125%
營業現金流入	1,405	756	86%
<b>自由現金流量</b> ●●	<b>3,220</b>	<b>322</b>	<b>900%</b>

● 股東報酬率及資產報酬率皆已年化且扣除處分廠房設備利益。

●● 自由現金流量 = 營運活動之淨現金流入 + (投資活動之淨現金流出)。

## 第2季重點摘要

- 總營業收入: \$24.5億新台幣，季下滑8%，年增長6%
- 營業毛利率: 54%
- 營業利益率: 25%
- 淨利: \$4.8億新台幣，季減少79%，年減少18%
- 2021年第2季摘要:
  - ✓ 本季主要營收增長自於量測與自動化測試解決方案，分別較上季成長18%，較去年同期增長9%。



# 2021年第2季損益表摘要(母公司)

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損益表摘要(母公司) (單位: 佰萬新台幣, 除每股盈餘為新台幣元)	2021.2Q		2021.1Q		QoQ %	2020.2Q		YoY %
		%		%			%	
淨營業收入	2,449	100%	2,666	100%	(8%)	2,313	100%	6%
營業成本	(1,119)	(46%)	(1,266)	(47%)	(12%)	(1,112)	(48%)	1%
營業毛利	1,330	54%	1,400	53%	(5%)	1,201	52%	11%
營業費用								
推銷管理費用	(376)	(15%)	(370)	(14%)	2%	(330)	(14%)	14%
研發費用	(344)	(14%)	(333)	(13%)	3%	(302)	(13%)	14%
營業淨利	610	25%	697	26%	(12%)	569	25%	7%
營業外收入及支出 ●	(3)	-	1,933	73%	n/a	145	6%	n/a
稅前淨利	607	25%	2,630	99%	(77%)	714	31%	(15%)
所得稅費用	(126)	(5%)	(382)	(14%)	(67%)	(130)	(6%)	(3%)
本期淨利	\$ 481	20%	\$ 2,248	85%	(79%)	\$ 584	25%	(18%)
其他綜合損益淨額	75	3%	137	5%	(45%)	(1)	-	n/a
綜合損益總額	\$ 556	23%	\$ 2,385	90%	(77%)	\$ 583	25%	(5%)
每股盈餘(基本)	\$ 1.14		\$ 5.36		(79%)	\$ 1.40		(19%)
每股盈餘(稀釋)	\$ 1.14		\$ 5.33		(79%)	\$ 1.39		(18%)

● 100%持有之子公司淨利認列，日茂為獲利新台幣1仟4佰萬(季成長133%，年成長250%)，威光為虧損新台幣2億1仟4佰萬。

# 2021年上半年損益表摘要(母公司)

Chromate

## 損益表摘要(母公司)

(單位: 佰萬新台幣, 除每股盈餘為新台幣元)

	2021.1H	%	2020.1H	%	YoY
					%
淨營業收入	5,115	100%	4,365	100%	17%
營業成本	(2,385)	(47%)	(2,041)	(47%)	17%
營業毛利	2,730	53%	2,324	53%	17%
營業費用					
推銷管理費用	(746)	(14%)	(672)	(15%)	11%
研發費用	(677)	(13%)	(580)	(13%)	17%
營業淨利	1,307	26%	1,072	25%	22%
營業外收入及支出 ●	1,930	37%	208	4%	828%
稅前淨利	3,237	63%	1,280	29%	153%
所得稅費用	(508)	(10%)	(226)	(5%)	125%
本期淨利	\$ 2,729	53%	\$ 1,054	24%	159%
其他綜合損益淨額	213	4%	(62)	(1%)	n/a
綜合損益總額	\$ 2,942	57%	\$ 992	23%	197%
每股盈餘(基本)	\$ 6.50		\$ 2.53		157%
每股盈餘(稀釋)	\$ 6.47		\$ 2.51		158%

● 100%持有之子公司淨利認列，日茂為獲利2仟萬新台幣 (年成長33%)，威光為虧損1億9仟1佰萬新台幣。

# 資產負債摘要及財務指標

**Chromate**

母公司 (單位：佰萬新台幣)

## 資產負債摘要

	<u>2021. 6月</u>	<u>2020. 12月</u>	+ / - %
現金及流動金融資產	1,622	902	80%
存貨	2,690	2,331	15%
短期負債	600	2,420	- 75%
長期負債	1,350	2,230	- 39%
股東權益	17,134	16,063	7%
<b>總資產</b>	<b>25,176</b>	<b>24,406</b>	<b>3%</b>
存貨週轉天數	189	184	
應收帳款週轉天數	88	106	
應付帳款週轉天數	93	96	
淨負債資產比(%)	2%	23%	
<b>股東權益報酬率(%)</b> ●	<b>14%</b>	<b>15%</b>	
<b>資產報酬率(%)</b> ●	<b>10%</b>	<b>10%</b>	

現金流量 (單位：佰萬新台幣)

2021. 上半年

2020. 上半年

同期比較

未計利息稅項折舊及攤銷	3,407	1,409	142%
營業現金流入	1,100	663	66%
<b>自由現金流量</b> ●●	<b>3,136</b>	<b>102</b>	<b>2975%</b>

● 股東報酬率及資產報酬率皆已年化且扣除處分廠房設備利益。

●● 自由現金流量 = 營運活動之淨現金流入 + (投資活動之淨現金流出)。

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## 營運概況

Test  
Automation  
Solution  
provider

# 2021年第2季及上半年產品銷售佔比與合併營收明細

(單位: 百萬新台幣)

	<b>2021.2Q</b>	<b>%</b>	<b>QoQ</b>	<b>YoY</b>	<b>2021.1H</b>	<b>%</b>	<b>YoY</b>	<b>2020</b>	<b>%</b>
量測及自動化檢測設備	1,349	55%	18%	9%	2,491	49%	3%	4,849	53%
半導體 / Photonics 測試解決方案	803	33%	(23%)	(3%)	1,845	36%	23%	3,025	33%
<b>Turnkey Solutions</b>	33	1%	(84%)	(45%)	245	5%	113%	456	5%
其它	264	11%	(2%)	41%	534	10%	60%	850	9%
母公司營業收入	<b>2,449</b>	<b>100%</b>	<b>(8%)</b>	<b>6%</b>	<b>5,115</b>	<b>100%</b>	<b>17%</b>	<b>9,180</b>	<b>100%</b>
+ 量測事業體海外據點及測試設備相關子公司	910		34%	28%	1,590		31%	2,865	
致茂電子檢測設備事業體 (含海外量測事業子公司)	<b>3,359</b>	<b>76%</b>	-	<b>11%</b>	<b>6,705</b>	<b>77%</b>	<b>20%</b>	<b>12,045</b>	<b>78%</b>
威光自動化	221	5%	55%	71%	364	4%	19%	618	4%
日茂新材料	765	17%	11%	25%	1,457	17%	24%	2,551	16%
其它	100	2%	9%	54%	192	2%	34%	318	2%
集團合併營收	<b>4,445</b>	<b>100%</b>	<b>4%</b>	<b>16%</b>	<b>8,718</b>	<b>100%</b>	<b>21%</b>	<b>15,532</b>	<b>100%</b>

- 致茂電子集團2021年上半年累計合併營收達87億新台幣，較去年同期成長21%。母公司量測設備事業體上半年累計營收達51億新台幣，較去年同期增加17%，半導體及Photonics測試解決方案為主要營收成長動能，該產品線較2020年同期成長23%。
- 2021年營運展望
  - ✓ 受惠於車用晶片需求增長、5G相關與high performance chip (HPC)市場快速發展，下半年半導體及Photonics測試設備需求仍舊強勁，主要營收動能來自於：
    - CIS / VCSEL / ToF 測試設備。
    - 無線通訊RF及MCU測試解決方案。
    - IC產品的可靠性測試: Burn-in Test, SLT Test及溫控檢測設備等為電動車重點測試規格。
  - ✓ 量測及自動化檢測設備持續聚焦於綠能科技相關之檢測設備，包含電動車相關零組件、電池芯/電池模組/電池包、智慧電網及5G / 伺服器等相關產業之電力電子測試需求。
  - ✓ 隨市場於AR/VR頭戴式裝置發展增長，將帶動下半年相關檢測設備需求提升。

# Semiconductor / Photonics Test Solutions

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Fast & Flexible Operation

- Multi-sites: 6~24 Sites (SLT / FT Combo Module)
- Temperature: Ultra Cold Temp. -70°C ~150°C
- IC DUT: Normal IC and bare die
- New stack integration for dual lots and multiple binning

2D / 3D / 2D+3D Metrology

- XY / Z Resolution: 30nm / 0.05nm
- Sensor: Optical & WLI dual modules with auto switch
- Light Source: Multiple Light Sources

1H, '21

2H, '21

Advanced Packaging Industry



FT & SLT Hybrid Test System  
3200



2D/3D Critical Dimension Metrology  
7980

# Semiconductor / Photonics Test Solutions

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TECHNOLOGY

Photonics Testing

## High Voltage Burn-in

- Design for Photo Diode, Avalanche Photo Diode
- High voltage SMU: Up to 80V DC
- High temperature burn-in: Up to 180°C
- Precise probing: pad ~ 80um

MARKET

1H, '21

2H, '21

3D Sensing, LiDAR, Automotive, Optical Fiber Communication



Photodiode Burn-in & Reliability  
Test System 58606

SOLUTION

# Test Instruments & ATS Solution

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## TECHNOLOGY

Optical Testing

### Display Optical Test

- Chromaticity、Luminance
- High accuracy  $\leq \pm 0.002$
- 0.001 cd/m<sup>2</sup> low luminance
- WB, pGamma, Auto Flicker

### AR Display Image Quality Test

- Automated loading and unloading
- High-precision mechanism
- Measurement: Luminance, Chromaticity, Uniformity, Contrast, Artifacts, Distortion, & MTF

Passive Component Testing

### Metal Film Resistor Test Application

- Laser trimming insulation test (HV test)
- Quality test (Impulse/Inrush test)

## MARKET

1H, '21

2H, '21

Display

Metal Film Resistor (MELF resistor, chip/SMD resistor)

AR Glasses

## SOLUTION



Color Analyzer  
71241



Battery Cell Surge Tester  
19311



AR Image Quality Test System  
76XX Series

# Test Instruments & ATS Solution

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## TECHNOLOGY

Power Electronics  
Testing

### Programmable DC Source

- High Power Density: 1.7kW x 3ch in 1U
- Voltage rating: Up to 600V
- Power rating: 1.7kW/3.4kW/5kW

### Bidirectional DC Supply, Regenerative

- Bidirectional: Source & Load
- Power: 0~1200/1800V, 0-40A, 18kW
- Load Changed +90%~ -90%, <4ms

EV Testing

### Charging Emulation

- CHAdeMO E-Scooter standard
- Simulating multiple charging conditions

## MARKET

1H, '21

2H, '21

ICT and EV Power Electronics, Green Energy, Battery Storage

E-Scooters/2-Wheelers



Programmable DC Power Supply  
62017E-600P-3



Bidirectional DC Power Supply  
62180D-1200/1800



CHAdemo E-Scooter Emulation System  
8000

## SOLUTION

# Test Instruments & ATS Solution

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## TECHNOLOGY

Battery Testing

### Li-ion Battery Test Application

- Voltage/Current: 1.5V-6V / 0-12A
- High accuracy for cycle test: 0.02% @ F.S.
- Multi-current range: 4 ranges

### Li-ion Battery Test Application

- Energy Regenerative
- Fast current response up to 1mS
- Channel parallel output up to 1200A

### Battery Pack Power HIL Test

- Integrated with battery cycler
- Up to 500kW

## MARKET

1H, '21

2H, '21

Battery Cell/Module/Pack for EV, Energy Storage System, Green Energy, Power Tools

## SOLUTION



Battery Cell Charge & Discharge Tester  
17216 series

NEW



Battery Charge & Discharge Tester  
17212M-6-100S

NEW



Battery Pack Power HIL Testbed  
8610

NEW



Keep going beyond

Thank  
You !