

ULVAC, Inc.

Business Results The First Half of FY2021

(July 2021 - December 2021)

Feb. 15, 2022

Securities code: 6728

Breakthrough 2022

Disclaimer regarding forward-looking statements

The forward-looking statements, including the earnings forecasts shown in this document are based on information currently available to the Company and on certain assumptions deemed to be reasonable. As such, they do not constitute guarantees by the Company of future performance.

Actual business performance and results may differ significantly from these forecasts and other forward-looking statements due to various factors including the global economic situation, market conditions in the semiconductor, electronic device, FPD, raw materials, and other markets, capital expenditure trends, response to rapid technological innovation, and exchange rate fluctuations.



Summary



- 1. Overview of Consolidated Business Results for 1H FY2021 Orders, net sales, and operating profit increased significantly YoY
 - OP Margin: improved to 10.8% (+3.8pt YoY)
 - Gross Profit Margin(the second quarter): 32.4%
 ⇒ Highest level since listing due to strengthened manufacturing capabilities, etc.
 - Full-year orders plan revised upwardly to ¥245.0 billion (+¥15.0 billion vs. Initial Plan)

(Unit: ¥1 billion)	FY2021 1H	<u>YoY</u>	Vs. Initial Plan
□Order Received	144.6	+53.6 +59%	+37.6 +35%
□Net Sales	105.7	+21.8 +26%	+9.7 +10%
□ Operating Profit	11.4	+5.6 +95%	+2.4 +27%

2. Environment surrounding ULVAC

Semiconductor, electronics and FPD investment will continue to expand over medium-to-long term

- Strong orders in 1H (Semiconductor:1.7x, Electronics:1.2x,FPD2.4x YoY)
- 3. Progress of mid-term management plan: Progressing as planned
 - Strengthening development capabilities and growth businesses ⇒Increase in orders for semiconductors, electronics, and FPDs
 - Profitability improved by strengthening manufacturing capabilities



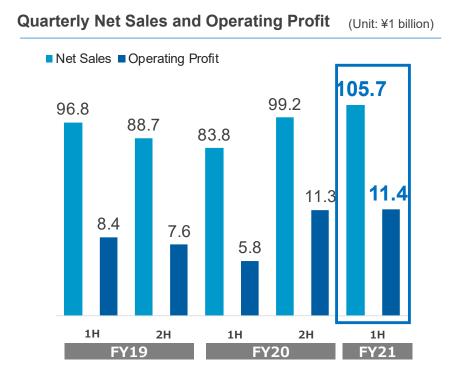
1H FY2021 Business Results

1. Overview of 1H FY2021 Business Results



- Orders Received: Increased 59% YoY due to the investment expansion in semiconductors and electronics, etc.
- Net Sales: Increased 26% YoY / Operating Profit: Increased 95% YoY
- OP Margin: Improved to 10.8% (+3.8pt YoY) (Further improvement expected in 2H)

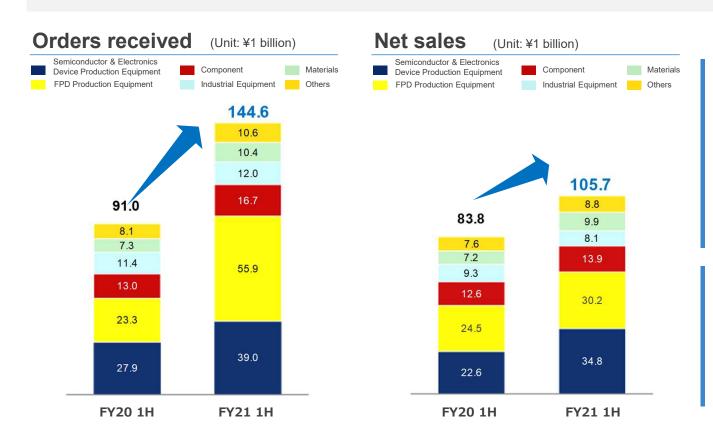
	FY2020 1H	FY2021 1H					
(Unit: ¥1 billion)	Actual	Initial Plan	Actual	YoY		Vs. Initial Plan	
Orders Received	91.0	107.0	144.6	+53.6	+59%	+37.6	
Net Sales	83.8	96.0	105.7	+21.8	+26%	+9.7	
Gross Profit	23.3	-	32.1	+8.8	+38%	-	
Gross Profit Margin	27.8%	-	30.4%	-	+2.6pt	-	
SG&A	17.5	-	20.7	+3.2	-	-	
Operating Profit	5.8	9.0	11.4	+5.6	+95%	+2.4	
Operating Profit Margin	7.0%	9.4%	10.8%	-	+3.8pt	+1.4pt	
Profit attributable to owners of parent	4.5	6.5	8.1	+3.6	+79%	+1.6	
To net sales ratio	5.4%	6.8%	7.7%	-	+2.3pt	+0.9pt	



1-(1) Orders and Net Sales by segments: Increased significantly due to active investment



• Significant YoY increase due to active investment in semiconductors, electronics and FPDs



Orders Received

- Semiconductors: Active investment in both logic and memory, 1.7x YoY
- Electronics: Increased mainly in power devices and various electronic devices, 1.2x YoY
- FPD: Orders received in 1H achieved 80% of the full-year plan due to the orders received ahead of schedule (approx. ¥20 billion) (2.4x YoY)

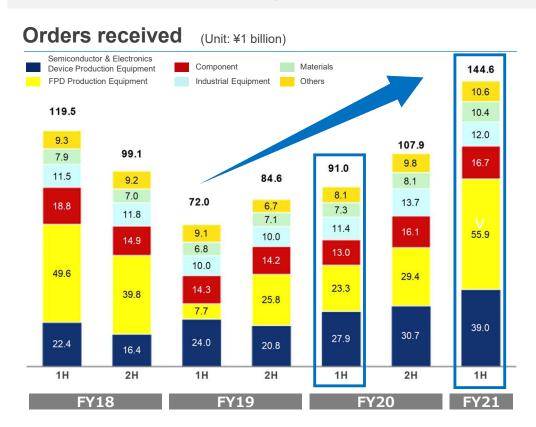
Net Sales

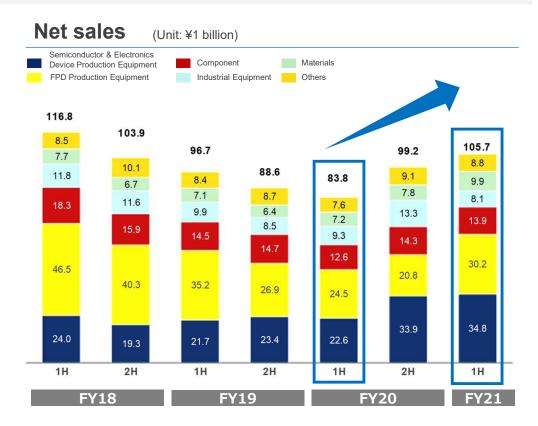
 Increase compared to the same period of the previous year, mainly in semiconductors, electronics and FPDs (Time lag in sales contribution due to longer delivery times for parts)

1-(2) Orders and Sales by Segment: Growth in Semiconductors and Electronics exceeding plan ULVAC



- Semiconductors and Electronics: Growth exceeding mid-term plan
- FPD: Significant increase in 1H due to the increased investment in LCD
- Increased order backlog will contribute to sales in the next fiscal year and beyond

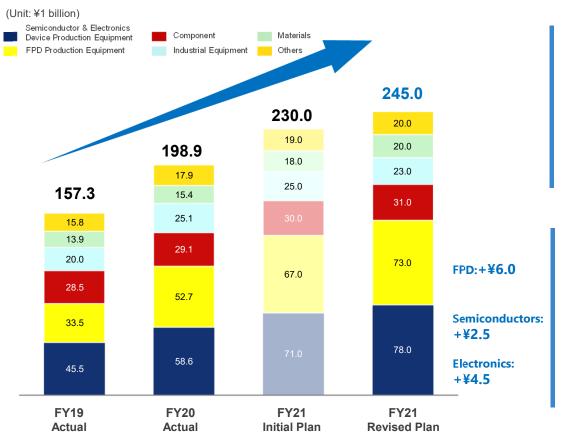




2. Revision of full-year order Plan: Revised to ¥245.0 billion (+¥15.0 billion)



- Full-year order plan revised from ¥230.0 billion to ¥245.0 billion (+¥15.0 billion) due to active investment in semiconductors, electronics, and FPDs
- Aiming for further growth with a focus on semiconductors and electronics (next fiscal year's plan to be disclosed in August)



Semiconductors: 1.5x YoY

Logic(2.2x YoY) · Memory(1.3x YoY)
 Investment increasing

Electronics: 1.2x YoY

 Power Device(1.5x YoY) · Active investment in China

FPD: 1.4x YoY

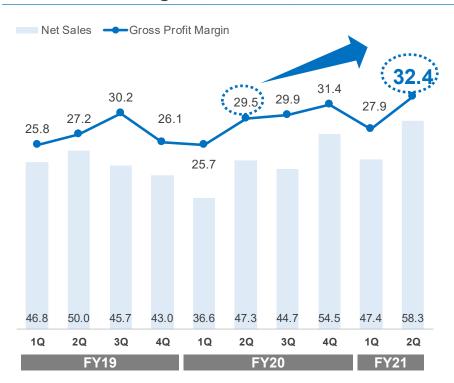
- Investment increasing in LCD
- Investment in IT panels and OLED (large substrates) are expected to continue in the next fiscal year and beyond, and investment in EV batteries is expected to be full-scale investment from FY2023

3-(1) 2Q Profit Margin: Gross Profit Margin at highest level since listing

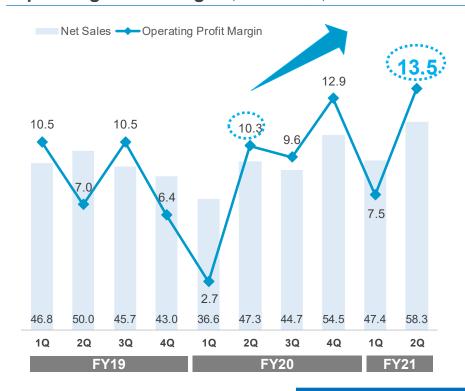


- Gross Profit Margin: 32.4%, Highest level since listing
- Operating Profit Margin: 13.5%, improved significantly YoY

Gross Profit Margin (Unit: ¥1 billion,%)



Operating Profit Margin (Unit: ¥1 billion,%)



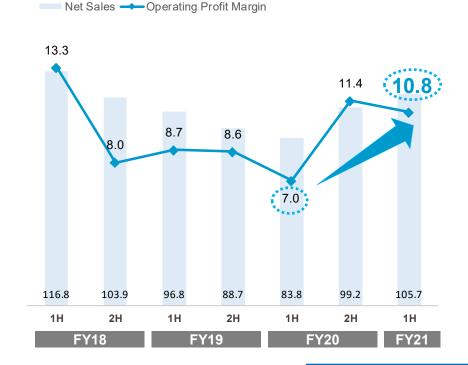
3-(2) 1H Profit Margin: Improvement over the same period of the previous year



- Both gross profit margin and operating profit margin improved.
- Profitability in 2H is expected to improve further by strengthening manufacturing capabilities.

Gross Profit Margin (Unit: ¥1 billion,%) Net Sales —Gross Profit Margin 29.8 29.0 28.1 26.5 99.2 116.8 103.9 96.8 88.7 83.8 105.7 2H 1H 2H 1H 2H 1H 1H

Operating Profit Margin (Unit: ¥1 billion,%)





Environment surrounding ULVAC

Semiconductors, Electronics and FPD: Investment expanding in Medium-to-Long Term

Biometric

Identification

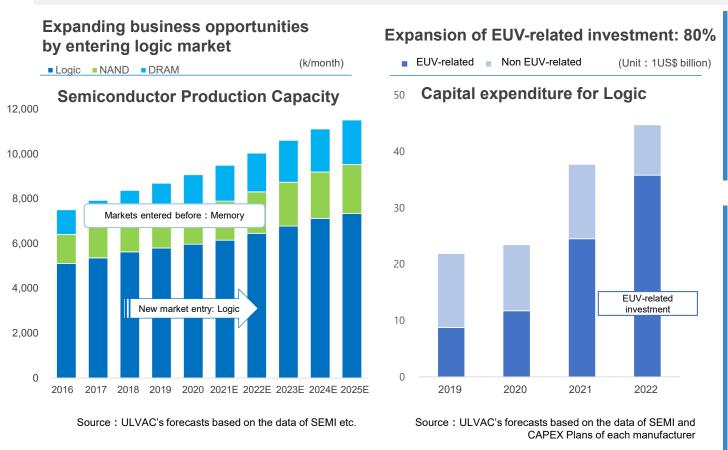




Smart house

1-(1) Semiconductors: Expanding business opportunities by entering Logic market ULVAC

- Logic: Expanding business opportunities by entering the metal hard mask (MHM) process
- Achieving growth through both logic and memory
- Aiming growth exceeding that of the logic market (MHM and other processes)



Investment of Logic · Foundries

- Aggressive expansion of production capacity in both logic and memories through technological innovation such as miniaturization and stacking
- Being de facto standard in MHM process of EUV
 - →Expanding business opportunities in other processes as well(Highly expected to be a strong second vendor)

EUV-related investment expansion, Growth outpacing market

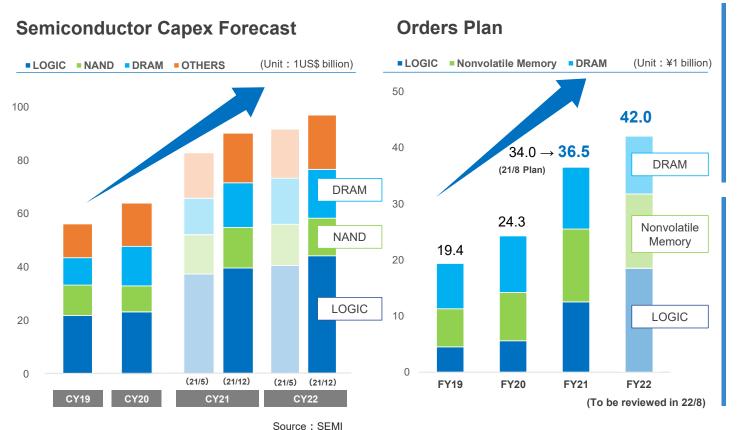
- Leading-edge investment by foundries and logic manufacturers is related to EUV (about 80% of the logic investment)
- Orders are expected to grow 2.8x against the increase in logic capex (1.7x in 2021 vs. 2019), exceeding the market growth.
 - →Aiming growth exceeding that of the logic market by MHM capital investment increase, new customer development , and the entry into other processes

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1-(2) Semiconductors: Growth expected to exceed market growth



- Continued capex expansion for both logic and memory
- Logic: Aiming to grow faster than market growth by MHM process and other processes increase



Investment Trend

- Expanding scope and increasing functionality of applications such as 5G, IoT, AI, and metaverse. Data center investment for increased data traffic
 - → Semiconductor investment is expected to expand over the medium-to-long term.
- Capex expansion trend expected to remain unchanged even in FY2022

Orders Trend

- In 1H, logic (+90% YoY) and memory (+60% YoY) both increased
- In the 2H, we expect orders to remain at the same high level as in 1H, and for the full fiscal year, we expect orders of ¥36.5 billion (+50% YoY), exceeding the plan.
- Continued growth expected mainly in logic-related business

2-(1) Electronics: Lineup of equipment for various electronic device fields and applications ULVAC



Power Device

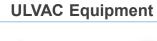
Application

EV Automotive Devices
Inverter Motors
Industrial robots
Power Saving Devices



Device

IGBT SiC Diodes MOSFET





Optical Device

AR/VR Automotive instrument panels 3D Sensor



μOLED Anti-reflection film Band Pass Filter





Communication Device

Smartphones Wireless base stations



SAW and BAW Filters RF Devices



Ion Implanter

CVD Equipment



Packaging

PC Smartphones Data Servers IoT devices



FanOut WLP • PLP Info-package



Etcher Equipment



Ashing Equipment

Device (MEMS)

Fingerprint recognition LiDAR



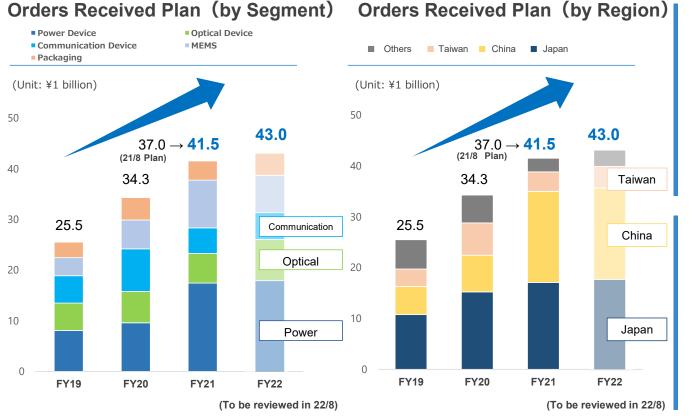
Piezo-MEMS

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2-(2) Electronics: Growth mainly in China, also in Japan, Taiwan, etc.



- Active investment in power devices, optical devices, communication devices, etc., mainly in Japan and China
- Especially in China, the government's policy of domestic production has stimulated investment, mainly in the field of power devices.



Investment Trend

- With the expansion of new applications such as new energy shift (green energy conversion), digital infrastructure construction, and metaverse, the technological innovation and the demand for various devices are boosting.
 - → Active capital investment
- China's domestic production policy and local government support will increase new entrants
 - → Increased construction of electronic device factories, especially in coastal areas

Orders Trend

- 1H: Increase mainly in power devices, communication devices, sensors, etc.
 - 2H: Expected to remain at a high level mainly in power devices and optical devices
- Full-year: Expected to exceed the plan at the amount of ¥41.5 billion (+20% YoY)
- Continuing to grow with the active investment in power devices, optical devices (µOLEDs for AR•VR, etc.), communication devices (SAW•BAW filters), etc.

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2-(3) Electronic growth factors: Power devices growth with the shift to green energy EVs ULVAC



• Power devices becomes a growth engine as the shift to green energy and EVs progresses. (Orders Received in 1H: 1.4x YoY)

_	Market Environment	ULVAC's Strenghth
IGBT High voltage Large current	 The number of power devices installed increased due to shift to EVs Active investment by major Japanese companies 	 High market share in sputtering equipment for back-surface electrodes Extensive experience with major Japanese companies
SiC High voltage Large current	 (In China) Accelerating green energy investment The government's domestic production policy and local government support Expanding SiC Wafer Production 	 (In China) More than 70% share for SiC ion implanter market in China Mass production support for Chinese companies for the past 10 years Technical sales force by dispatching resident engineers to China
Si-MOSFET Low voltage Small current	 (In China) Inverterization of home appliances, etc. The government's domestic production policy and local government support Strong demand for low to mid-end devices 	 (In China) Price competitiveness through local production Customization through local design Establishment of supply chain system

2-(4) Electronic growth factors: Accelerated growth of China's electronic device market ULVAC



Increased demand for electronic devices · **Dependence on imports**

- **Power devices**
- **High-frequency devices**

China's domestic production policy

- Stabilization of the supply chain
- Improvement of trade balance

Local government support (various privileges and support)

New energy shift (Green Energy Conversion)

- Shift to Renewable Energy
- Increase in new energy vehicles
- **Increase in LiB production**

Digital Infrastructure Construction

- 5G base station
- **Data Center**

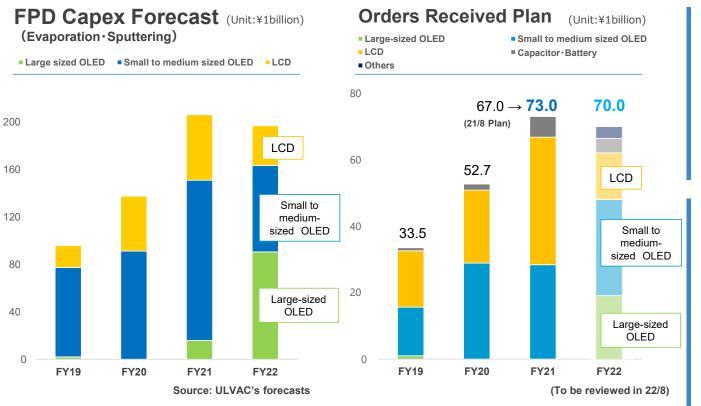
Construction of electronic device factories increasing, especially in coastal areas



3. FPD: Orders increased in 1H, Mid-to-Long Term growth by OLED-shift · Battery-related



- 1H: Active investment in LCD for IT panels; significant increase in orders for both LCD and OLED
- Progress in the shift to OLED (mobile + IT panel + TV)⇒ Active investment in large substrate (G8.5) OLED from FY2022
- Roll-to-roll deposition equipment for EV batteries also expected to contribute to the sales from FY2023



Investment Trend

- Active investment in high-definition, wide viewing angle LCDs for IT panels (tablets, PCs, medical, automotive, games, etc.)
- Progress in shift to OLED (mobile + IT panel + TV)
- Development of roll-to-roll deposition system for EV batteries' miniaturization, high capacity and safety improvement

Orders Trend

- LCD and OLED orders received ahead of schedule (approx. ¥20 billion); full-year order plan is expected to increase by ¥6 billion
- From FY 2022 onward, we expect a order bases of approx. ¥70 billion due to the progress in shift to OLED and EV battery business, etc.
- For large substrate OLEDs, we leverage strengths in large substrate sputtering equipment, transport technology, and high-definition support

4. Stable business bases also strong



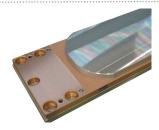
Components (1H: +30%YoY)



Leak Detection

- Strong orders due to active investment in semiconductor electronics, FPD, and consumer electronics.
- Strong sales of leak detectors (HELIOT series) used for product inspection of air-conditioning parts, etc.
- Some orders were received ahead of schedule due to longer delivery times for parts.

Materials (1H:+40%YoY)



Sputtering Target for FPD production equipment

- Orders were strong due to the rise in equipment utilization rate for semiconductor electronics and FPD related products
- Expanding sales of high-definition LCD panels (IGZO), sintering targets for semiconductor electronics (W, WSi, etc.), and metal targets (Al, Ti), etc.

Customer Support (1H:+20%YoY)



- Orders for semiconductor electronics and FPD-related products were strong due to increased investment and higher equipment utilization rates.
- Orders for in-vehicle capacitors were also strong due to the accelerating shift to EVs.
- Expansion of CIP business for high value-added panels
- Expansion of OLED cryopump overhaul business



Progress of Mid-term Management Plan

Progress of Mid-term Management Plan (Summary)



	Mid-term Ma	anagement Plan Activities	Evaluation of results and progress			
Strengthening the Growing Business Strengthening Research and Development	Semiconductor	 New entry into logic miniaturization process Memory investment resumed, new process entry 	 Active investment in logic and memory ⇒ Orders exceeding plan Growth through MHM process and development of other processes 			
	Electronics	 Expand proposed equipment through modularization Strengthen development, sales, and support systems in China 	 Active investment in power, optical, communication devices, etc. ⇒Exceeded order plan mainly from Japan and China Expansion of proposed equipment with modularized "uGmni Series" Exceeded order plan by strengthening sales and technical support system in China 			
	FPD	 Development of large substrate OLED mass production Conversion to a profitable structure 	 Orders exceeded the plan due to continued LCD investment and the shift to OLED Steadily strengthening manufacturing capabilities and profit margin improvement 			
Strengthening Manufacturing Capabilities	 Promoting production reform on all processes from engineering and design to the production system → Improvement of profit margins by improving productivity 		Steady implementation of various measures ⇒ Steady improvement in profit margin			
Enhancing Group Management Efficiency	 Business Unit Management Promotion Strengthening the management of group companies that have their own products 		 Integration of Korean Group Companies The merge of two domestic manufacturing subsidiaries decided Promotion of management reform in each group company 			
	Human resource development and revitalization		Introduction of new personnel systemDevelopment of next-generation leaders			
Financial Base	Strengthen information system infrastructure		Steady implementation of various system improvements for productivity improvement			
	Strengthen financial base		• Equity ratio: 56.1%			

Topics

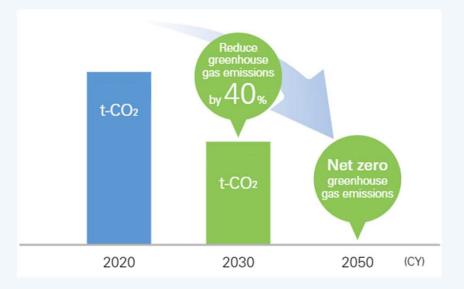


Revision of Environmental Targets

We will strive to curb greenhouse gas emissions and address climate change through a variety of activities, including energy conservation efforts in Japan and overseas, the introduction of renewable energy sources with low greenhouse gas emissions, and the development of environmentally friendly products.

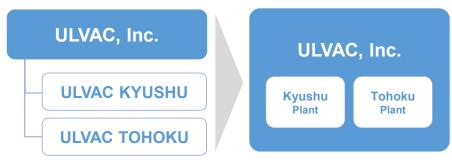
「Greenhouse Gas Emission Targets」

- Reduce greenhouse gas emissions in 2030 by 40% compared with 2020
- 2 Achieve net zero greenhouse gas emissions by 2050



Merger of Wholly Owned Subsidiaries

In order to accelerate the "Strengthening of the manufacturing capability", two major domestic manufacturing subsidiaries will be merged by absorption, aiming to further improve productivity and profitability by incorporating a wide variety of product manufacturing technologies. This merger is scheduled to take place in July 2022.



Value Report 2021 Issued

- · Strengthening disclosure on sustainable management
- Initiatives concerning human rights and climate change
- Creating value for the company from the perspective of outside directors



(For English)



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Smart Society⇒Solving Social Problems

Memory

Logic IC

Sensor

Communicating Device

Battery

Miniaturization

High performance

Low power consumption

Sputtering

Vacuum Thin Film Processing Technology

Component

Material

Etching

Chemical Vapor Deposition

Vacuum Evaporation

Customer support



Appendix

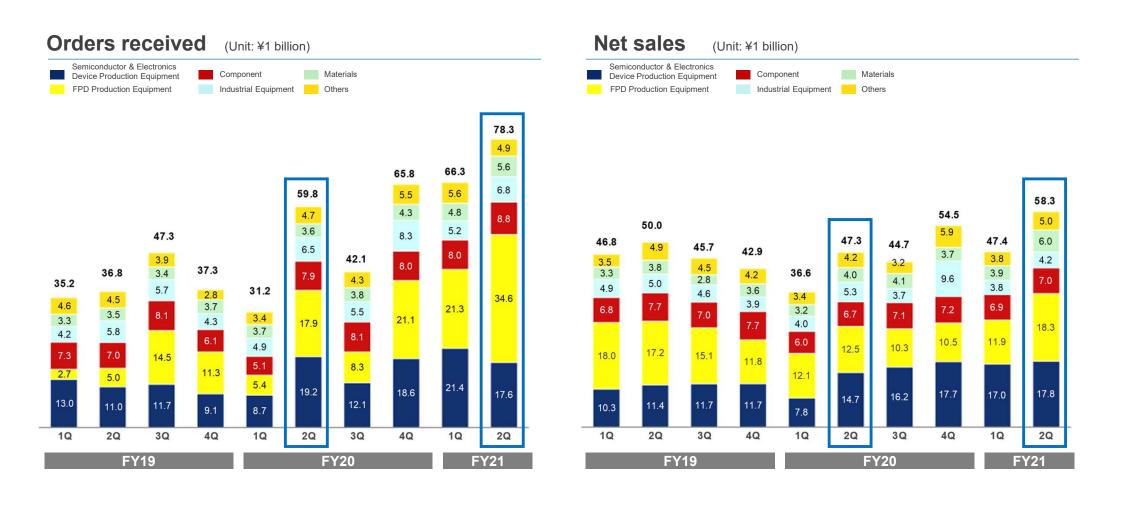
Quarterly Business Results



	FY2020			FY2021				
(Unit: ¥1 billion)	1Q	2Q	3Q	4Q	1Q	2Q	YoY	
(OTIII. #1 DIIIIO11)	1 64		0	T-04	1 54		Amount	Ratio
Orders Received	31.2	59.8	42.1	65.8	66.3	78.3	+18.5	+31%
Net Sales	36.6	47.3	44.7	54.5	47.4	58.3	+11.0	+23%
Gross Profit	9.4	13.9	13.4	17.1	13.2	18.9	+5.0	+36%
Gross Profit Margin	25.7%	29.5%	29.9%	31.4%	27.9%	32.4%	-	+3.0pt
SG&A	8.4	9.1	9.0	10.1	9.7	11.0	+2.0	+22%
Operating Profit	1.0	4.9	4.3	7.0	3.6	7.8	+3.0	+61%
Operating Margin	2.7%	10.3%	9.6%	12.9%	7.5%	13.5%	-	+3.2pt
Profit attributable to owners of parent	0.3	4.2	3.7	6.6	2.2	5.9	+1.7	+40%
To net sales ratio	0.9%	8.9%	8.3%	6.7%	4.7%	10.1%	-	+1.2pt

Orders and Net Sales by Segment (Quarterly)



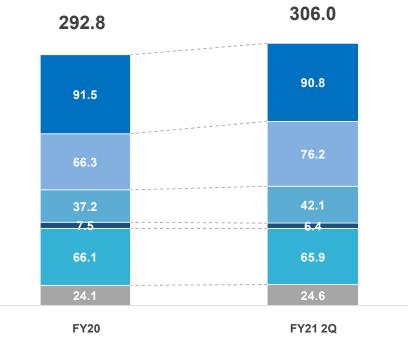


Consolidated Balance Sheet



Assets (Unit: ¥1 billion)

- Investment securities etc.
- Other current assets
- Notes and accounts receivable,trade
 Cash on hand and in banks
- Property,plant and equipment
- Inventories



Liabilities and Net Assets (Unit: ¥1 billion)

- Net Assets
- Other current liabilities
- Note and accounts payable,trade
- Other Long-term liabilities
- Interest-bearing debt

