

3rd Quarter FY2018 Financial Results

The logo for Ushio, consisting of the word "USHIO" in a bold, white, sans-serif font, set against a solid green rectangular background.

USHIO INC.

January 31, 2019

This report contains forward-looking statements, including earnings forecasts, which are based on information currently available to the Company and on certain assumptions deemed to be reasonable. Please be advised that actual results may differ substantially from those forward-looking statements due to various factors.

*** All figures in the material have been rounded down to the nearest billion yen.**

3Q FY2018 Overview

- Causal Analysis on **Net Sales and Earnings Decreased** YoY For 3Q FY2018
- Reasons and Measures on **Financial Result Forecast Downward Revision** for FY2018
- Introduction on **Intensification Measurement of Shareholder Returns** to Enhance Shareholder Value

- I. Financial Results for 3Q FY2018
- II. Future Forecast
- III. Intensification Measurement of Shareholder Returns
- IV. Supplementary Information

Highlights of Financial Results

Net Sales down 5.7% year on year to ¥122.3 billion
Operating Income down 19.5% year on year to ¥6.9 billion.

Progress against full-year forecasts : Net Sales 68.0%, Operating Income 55.3%

Net Sales : 122.3 billion yen (▲7.4 billion yen YoY, ▲5.7%)

- Light Sources Business: • Sales decreased due to conversion to solid-state light sources (LDs and LEDs)
Equipment Business: • Sales decreased due to slowdown of new movie theaters WW and Projects decreased of imaging solution compared to the same period of FY2017.

Operating Income : 6.9 billion yen (▲1.6 billion yen YoY, ▲19.5%)

Cost reductions became effective on imaging equipment, on the other side, operating income decreased due to the lower net sales

Profit Attributable to Owners of Parent : 5.6 billion yen
(▲2.8 billion yen, ▲33.3%)

A gain on return of the substitutional portion of the employees' pension fund (¥6.0 billion) was recorded under extraordinary income in the same period of FY2017.

*FOREX FY2018 : 1US\$ = 111 yen

FOREX sensitivity: Amount of impact from 1 yen fluctuations (full-year)

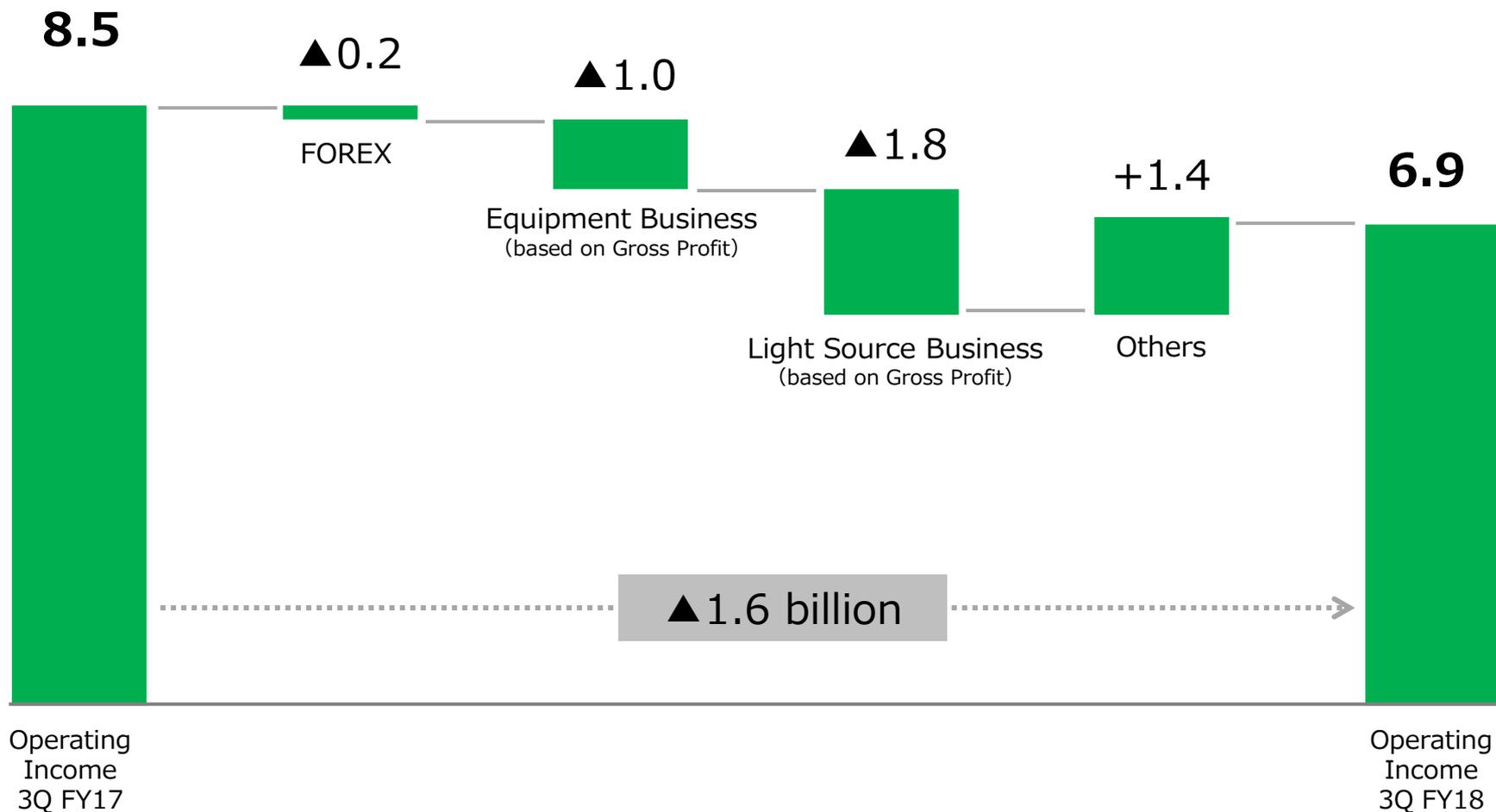
	Net Sales	Operating Income
against USD	Approx. ¥ 1.0 billion	Approx. ¥ 0.15 billion

Summary of Financial Results

(billion yen)	FY17 1Q-3Q	FY18 1Q-3Q	YoY		Original FY2018 Forecast	Progress (%)	
			Changes	%			
Net Sales	129.7	122.3	▲7.4	▲5.7	180.0	68.0	
Operating Income	8.5	6.9	▲1.6	▲19.5	12.5	55.3	
Operating Income (%)	6.6	5.6	▲1.0p	-	6.9	-	
Ordinary Income	10.8	9.4	▲1.3	▲12.3	14.0	67.8	
Profit Attributable to Owners of Parent	8.5	5.6	▲2.8	▲33.3	11.5	49.4	
EPS (yen)	66.56	44.43	▲22.13	▲33.2	90.01	49.4	
FOREX (yen)	USD	112	111	▲1	-	105	-
	EUR	128	130	+2	-	125	-

Variation Analysis of Operating Income YoY

(billion yen)



Note: Figures for "Amelioration in Optical Equipment Business Performance (based on Gross Profit)", "Deterioration in Imaging Equipment Business Performance (based on Gross Profit)" and "Others" exclude the forex impact.

Financial Results by Business Segments

(billion yen)		FY17 1Q-3Q	FY18 1Q-3Q	YoY	
				Changes	%
Equipment	Net Sales	72.8	68.6	▲4.2	▲5.8
	Operating Income	0.4	▲0.2	▲0.6	-
	Operating Income (%)	0.6	▲0.4	▲1.0p	-
Light Sources	Net Sales	54.7	51.6	▲3.1	▲5.7
	Operating Income	7.9	6.7	▲1.2	▲15.8
	Operating Income (%)	14.6	13.0	▲1.6p	-
Others	Net Sales	2.1	2.1	▲0.0	▲1.0
	Operating Income	0.1	0.0	▲0.0	▲40.0
	Operating Income (%)	5.6	3.4	▲2.2p	-
Elimination and corporate	Operating Income	0.0	0.4	+0.3	+438.2

Note : Net Sales indicates sales to unaffiliated customers.

Operating income ratio indicates the ratio of operating income against sales to unaffiliated customers.

Business Environment

Electronics Field

Semiconductors- and electrical components-related markets

- Solid demand for various electronic devices due to advances in IoT, 5G, and automotive applications
- Solid demand for electronic devices for smaller and more sophisticated smartphones
- Demand related to M-SAP settled down
- **Unclear demand for PD board** due to Chinese economic slowdown

FPD-related markets

- Middle-small panel: settled down after transferred from LCD to OLED
- Large-size panel: Equipment investment demand increased mainly in LCD market but **operation slowdown due to panel supply being in adjustment stage**

Visual Imaging Field

Cinema field

- Continuous increase installations of new movie theaters in China, however, settled down of new movie theaters in other countries
- More than half of new movie theaters install solid-state type light source projectors, still 90% of installed projectors employed Xenon lamps
- Continuous replacement of light source part in China (Xenon lamp to solid-state light)

General Imaging field

- Trend of increasing visual imaging needs in the entertainment field

Data Projector field

- **Continuous increase of the rate of solid-state light sources employed in high-illuminate projectors**

Overall

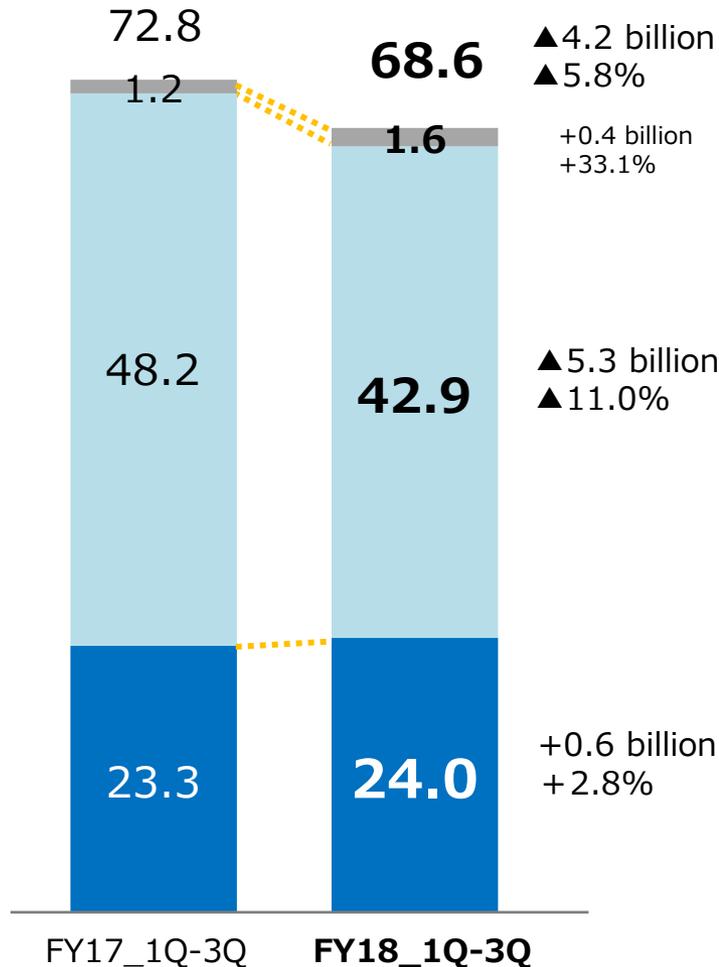
General slowdown in business due to Chinese economic slowdown caused by an impact of U.S.-China trade friction

Business Segment Overview (1)

Equipment Business

Net Sales (billion yen)

YoY



Business Overview (3Q)

Imaging Equipment

Cinema : ▲10%

- Digital cinema projector (DCP) Sales volume decreased YoY
- Lower initial acceptance in high value-added RGB laser projectors due to reduced product performance for certain customers

General Imaging : ▲12%

- Decreased in solutions-based projects YoY
- Shipment delayed due to new product spec failed

Optical Equipment

UV equipment : +0%

- Demand settled down for direct imaging exposure systems for M-SAP, which had expanded in the previous fiscal year
- Sales increased of projection lithography equipment for electronic devices centered on smartphones

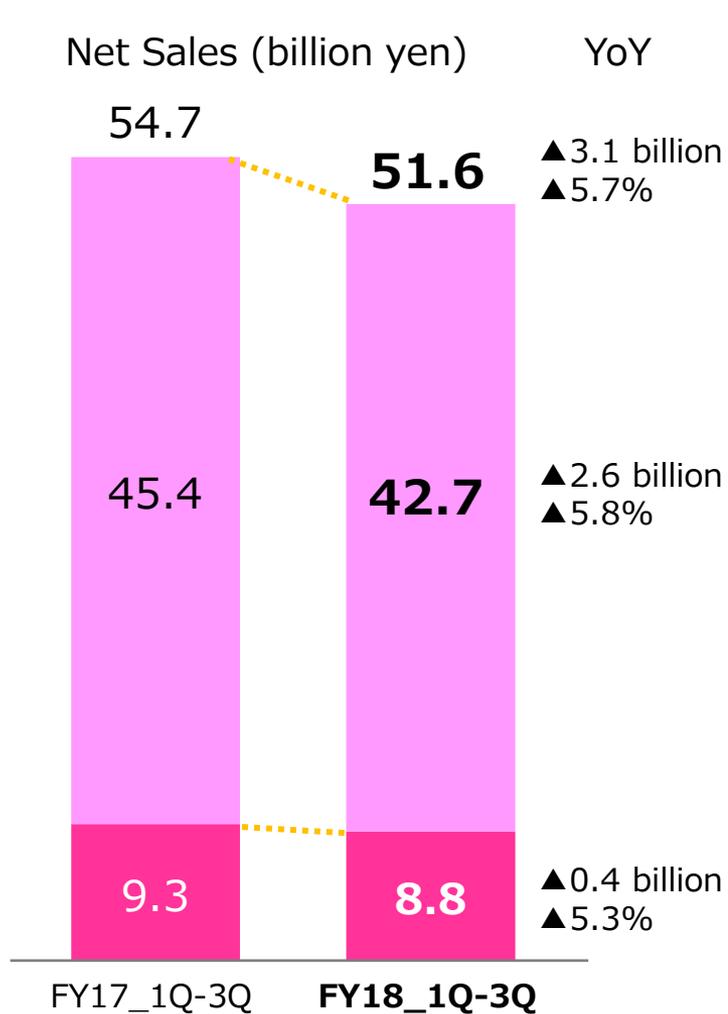
Cure equipment : +4%

- Sales volume of photo-alignment equipment decreased
- Sales increased of LCD-related equipment

Note : Net sales indicates sales to unaffiliated customers.

Business Segment Overview (2)

Light Sources Business



Note : Net sales indicates sales to unaffiliated customers.

Business Overview (3Q)

Discharge Lamp

UV lamps : +3%

- Sales decreased for OLED-related lamps due to the impact of investment restraint
- Sluggish operation for Middle-small panels and demand increased for large LCD panels

Lamps for cinema : ▲7%

- Demand for lamps slowdown due to conversion to solid-state light sources in China
- Price dropped due to intensified competition

Lamps for data projectors : ▲19%

- Sales decreased for a specific user which had expanded in the previous FY
- Demand for lamps decreased due to conversion to solid-state light sources in the market

Halogen Lamp

Lamps for OA : ▲7%

- Shipment delay due to Chinese economic slowdown

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Full-Year Forecast Results Revision

Reasons on Financial Result Forecast Downward Revision for FY2018

- a) Smart phone demand decreasing
- b) Lamp demand decreased due to conversion to solid-state light sources
- c) Lower initial acceptance of new products matching market requirement
- d) Investment interest decreased due to Chinese economic slowdown

(billion yen)	Previous (a)	Revised (b)	(b)-(a)		
			Changes	%	
Net Sales	180.0	165.0	▲15.0	▲8.3	
Operating Income	12.5	8.5	▲4.0	▲32.0	
Operating Income (%)	6.9	5.2	▲1.7p	—	
Ordinary Income	14.0	10.5	▲3.5	▲25.0	
Profit Attributable to Owners of Parent	11.5	11.5	—	—	
EPS (yen)	90.01	90.24	—	—	
FOREX (yen)	USD	105	110	+ 5	—
	EUR	125	130	+ 5	—

Net Sales Revision by Sub-segments

(billion yen)		Previous (a)	Revised (b)	Changes (b)-(a)	
Net Sales	Equipment	Imaging equipment	60.0	55.5	▲4.5
		Optical equipment	37.5	35.0	▲2.5
		Illumination and others	1.5	2.0	+0.5
		Sub-total	99.0	92.5	▲6.5
	Light Sources	Discharge lamps	64.5	58.0	▲6.5
		Halogen lamps	12.5	11.5	▲1.0
		Sub-total	77.0	69.5	▲7.5
	Others	Machinery for industrial use and other	4.0	3.0	▲1.0
	Total		180.0	165.0	▲15.0
	Operating Income		12.5	8.5	▲4.0

Reasons for Deterioration and Enhancement Measures

Light Sources			Equipment	
	UV Lamps	Lamps for Data Projector	Imaging Equipment	Optical Equipment
Reason	Demand Slowdown for FPD (OLED and Middle-small LCD panes)	Accelerated conversion to solid-state light sources	New product not meeting market requirement	Demand slowdown for M-SAP
Measurement	Strengthen product lineups Implement measurements to maintain profitability •Review production location efficiency •Acceleration of IT and robotics implementation at oversea factories		Product modifications to improve performance (in action) Improvement of design review process and market data	Develop competitive products for upcoming demands

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Intensification of Shareholder Returns to enhance shareholder value

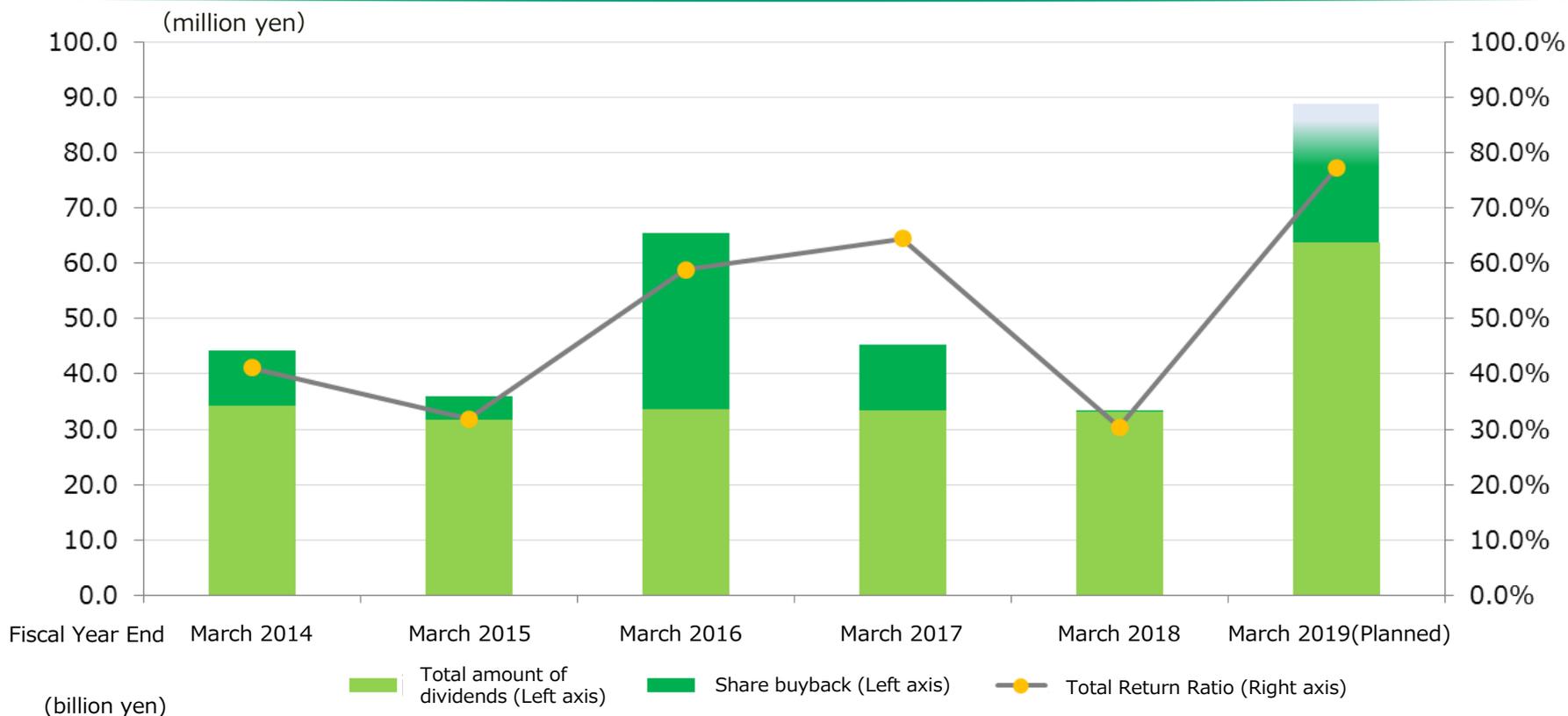
Ushio announced the following measurement to enhance shareholder value through strengthening shareholder returns and improving capital efficiency. Ushio will continuously conduct shareholder returns and improve capital efficiency.

	Previous state	Additional Measurement (as of January 31, 2019)
Annual Dividend	30 yen	50 yen
Share Buyback	Maximum 10 billion yen (Maximum 8 million shares) From December 21, 2018 to December 20, 2019	In Action Please refer "Notice Concerning the Status of Purchase or Treasury Shares" announced on January 31, 2019
Share Cancellation	No Plan	The excess portion of approximately 5% will be cancelled in each year Ushio cancels 6 million shares as of February 8, 2019

Shareholder Return Policy (After the changes)

Ushio always recognizes that profit return to shareholders is one of the most important duties as a listed company. The basic policy is to return profits to shareholders in a stable and consistent manner. **Ushio purchases own treasury shares, taking flexible approach. We retain our treasury shares of approximately 5% of the total number of issued shares at maximum and cancel the excess portion of the treasury shares in each year.**

Shareholder Return Transition



Note 1 : Total amount of dividends is calculated by each fiscal year end dividends. Share buyback is based on actual purchased number in each fiscal year.

Note 2 : Ratio may be changed based on factors, such as buyback status and so on.

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Reference: Summary of Quarterly Financial Results

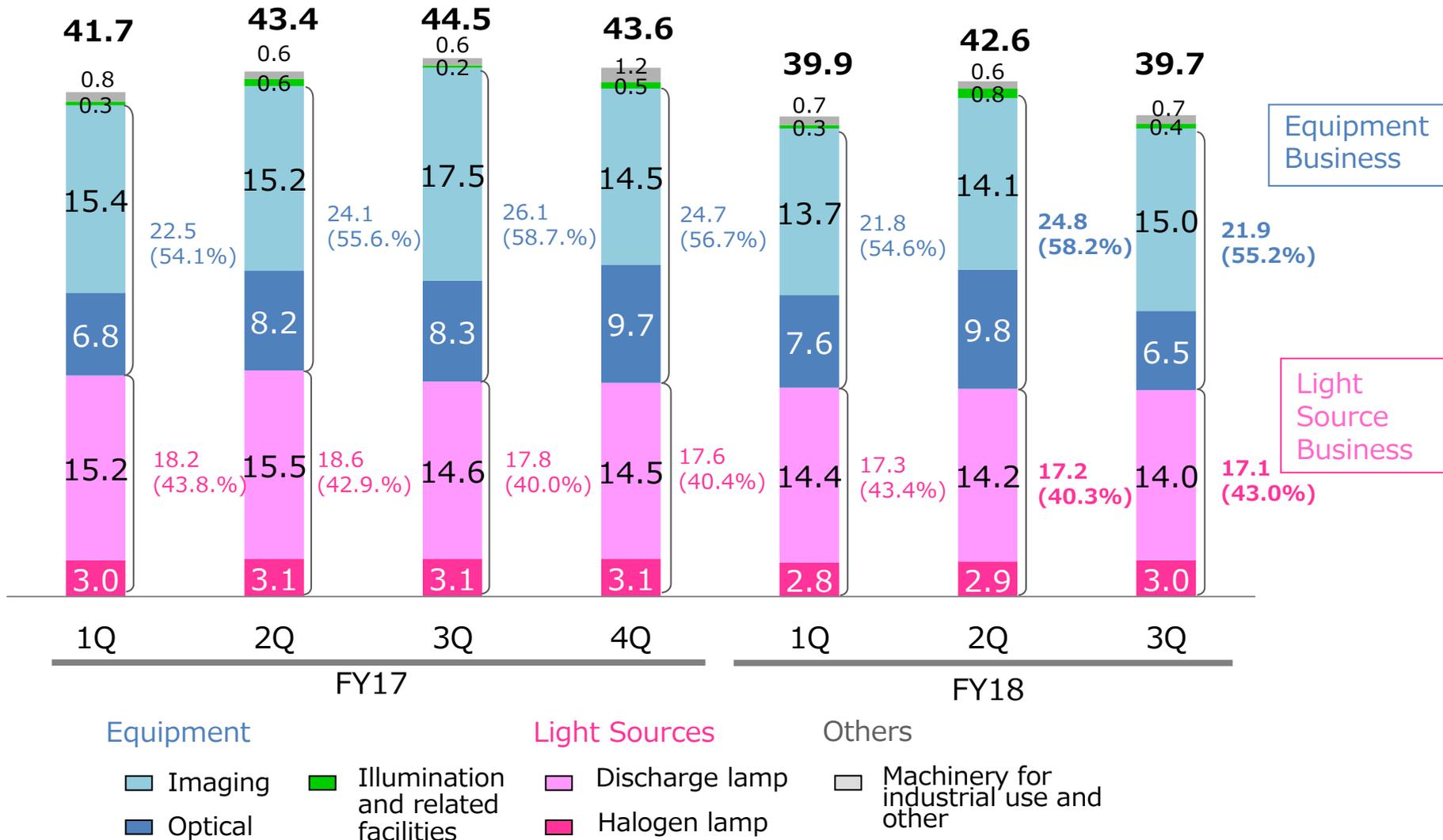
(billion yen)	FY17				FY18			FY18 3Q -	FY17 3Q	FY18 3Q -	FY18 2Q
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	Changes	%	Changes	%
Net Sales	41.7	43.4	44.5	43.6	39.9	42.6	39.7	▲4.7	▲10.8	▲2.8	▲6.7
Operating Income	2.8	2.8	2.9	1.5	2.5	2.8	1.5	▲1.3	▲47.2	▲1.2	▲44.8
Operating Income (%)	6.7	6.5	6.6	3.6	6.4	6.6	3.9	▲2.7p	-	▲2.7p	-
Ordinary Income	3.9	3.0	3.7	1.2	3.9	3.2	2.2	▲1.5	▲40.6	▲1.0	▲31.4
Profit Attributable to Owners of Parent	6.5	1.7	0.2	2.4	2.2	1.2	2.1	+1.9	+942.3	+0.9	+73.3
EPS (yen)	51.32	13.62	1.63	19.55	17.67	9.79	16.97	+15.34	+942.8	+7.18	+73.3
Forex (yen)											
USD	111	111	113	110	108	111	113	-	-	+2	-
EUR	122	130	132	134	130	129	130	▲2	-	+1	-

Reference: Summary of Quarterly Financial Results by business segments

(billion yen)	FY17				FY18			FY18	FY17	FY18	FY18
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	3Q - 3Q	3Q - 3Q	3Q - 2Q	3Q - 2Q
								changes	%	changes	%
Equipment											
Net Sales	22.5	24.1	26.1	24.7	21.8	24.8	21.9	▲4.1	▲16.0	▲2.8	▲11.5
Operating Income	0.0	▲0.0	0.4	▲0.9	0.0	0.1	▲0.4	▲0.8	▲214.3	▲0.6	▲360.7
Operating Income Ratio (%)	0.2	▲0.1	1.6	▲3.7	0.0	0.7	▲2.1	▲3.7p	-	▲2.8p	-
Light Sources											
Net Sales	18.2	18.6	17.8	17.6	17.3	17.2	17.1	▲0.7	▲4.0	▲0.0	▲0.5
Operating Income	2.6	2.8	2.4	2.4	2.5	2.3	1.8	▲0.6	▲26.0	▲0.4	▲20.3
Operating Income Ratio (%)	14.4	15.3	14.0	13.8	14.8	13.4	10.8	▲3.2p	-	▲2.7p	-
Others											
Net Sales	0.8	0.6	0.6	1.2	0.7	0.6	0.7	+0.0	+14.4	+0.0	+11.7
Operating Income	0.0	0.0	0.0	0.0	0.0	0.0	0	▲0.0	▲24.7	+0.0	+9.8
Operating Income Ratio (%)	7.6	3.2	5.4	0.7	3.0	3.6	3.6	▲1.8p	-	▲0.1p	

Reference: Quarterly Sales by Sub-segment

(billion yen)



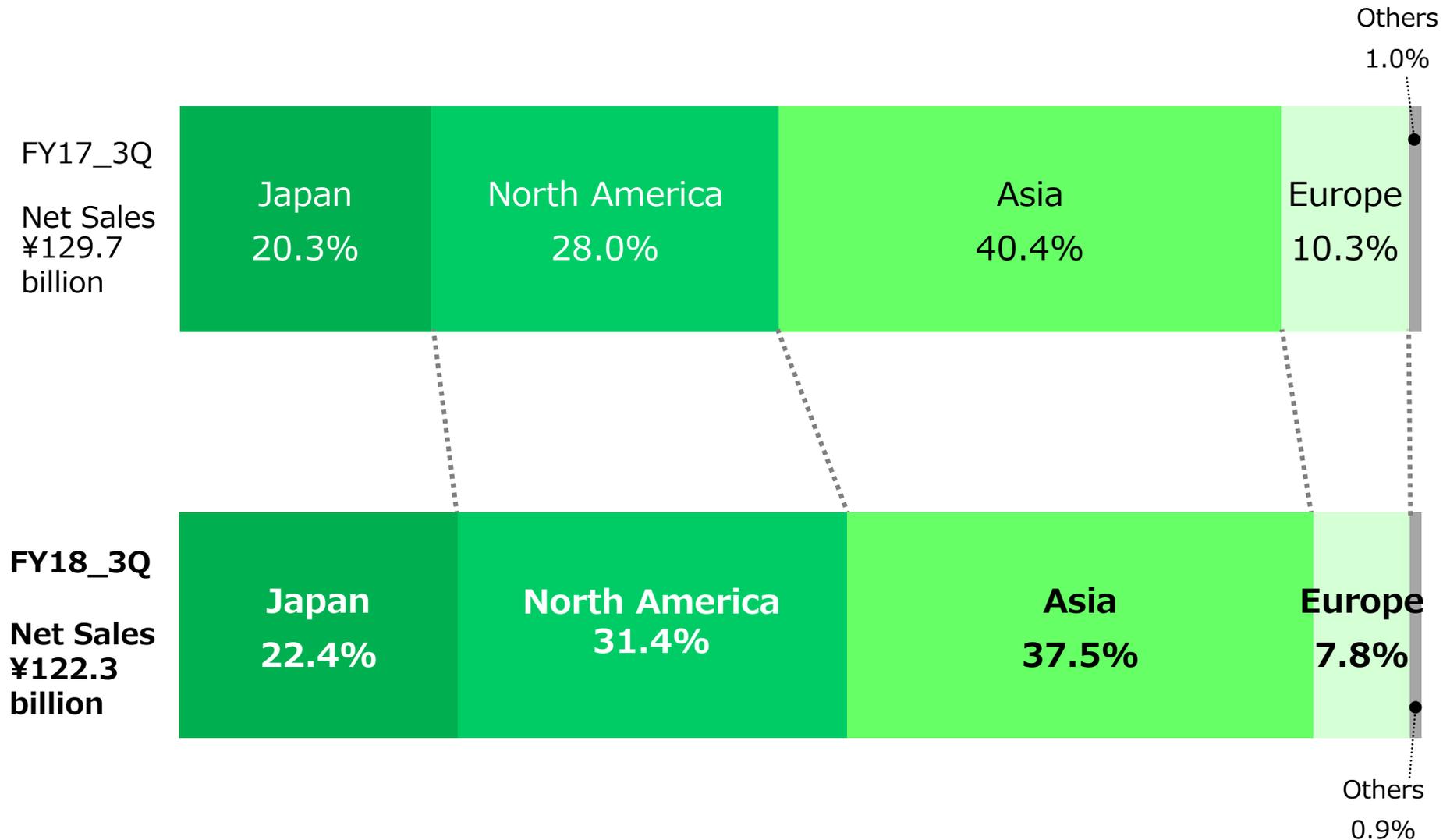
Reference: Quarterly Other Income and Expenses

(billion yen)	FY17				FY18			FY18 3Q - FY17 3Q		FY18 3Q - FY18 2Q	
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	changes	%	changes	%
Other Income	1.3	0.5	1.3	0.4	1.5	0.6	1.1	▲0.1	▲13.4	+0.4	+76.9
Interest income	0.2	0.3	0.2	0.4	0.4	0.4	0.4	+0.1	+58.6	+0.0	+2.6
Dividend income	0.6	0.0	0.6	0.0	0.6	0.0	0.7	+0.0	+6.2	+0.7	+2,772.8
Realized and unrealized profit on trading securities, net	0.1	0.0	0.2	▲0.1	0.0	0.0	▲0.1	▲0.3	▲143.1	▲0.1	▲251.2
Gain on specified money in trust	0.0	0.0	0.0	▲0.0	0.0	0.0	▲0.0	▲0.0	▲172.9	▲0.0	▲229.4
Others	0.1	0.0	0.0	0.2	0.4	0.0	0.0	+0.0	+130.9	+0.0	+0.9
Other Expenses	0.1	0.2	0.4	0.8	0.1	0.1	0.4	▲0.0	▲5.1	+0.2	+151.0
Interest expenses	0.1	0.1	0.1	0.2	0.0	0.1	0.1	+0.0	+20.3	+0.0	+20.0
Exchange loss	0.0	0.1	0.2	0.4	-	-	-	▲0.2	▲100.0	-	-
Others	0.0	0.0	0.0	0.1	0.0	0.0	0.2	+0.2	+445.4	+0.2	+581.1
Other Income and Expenses	1.1	0.2	0.8	▲0.3	1.4	0.4	0.6	▲0.1	▲17.8	+0.2	+49.5

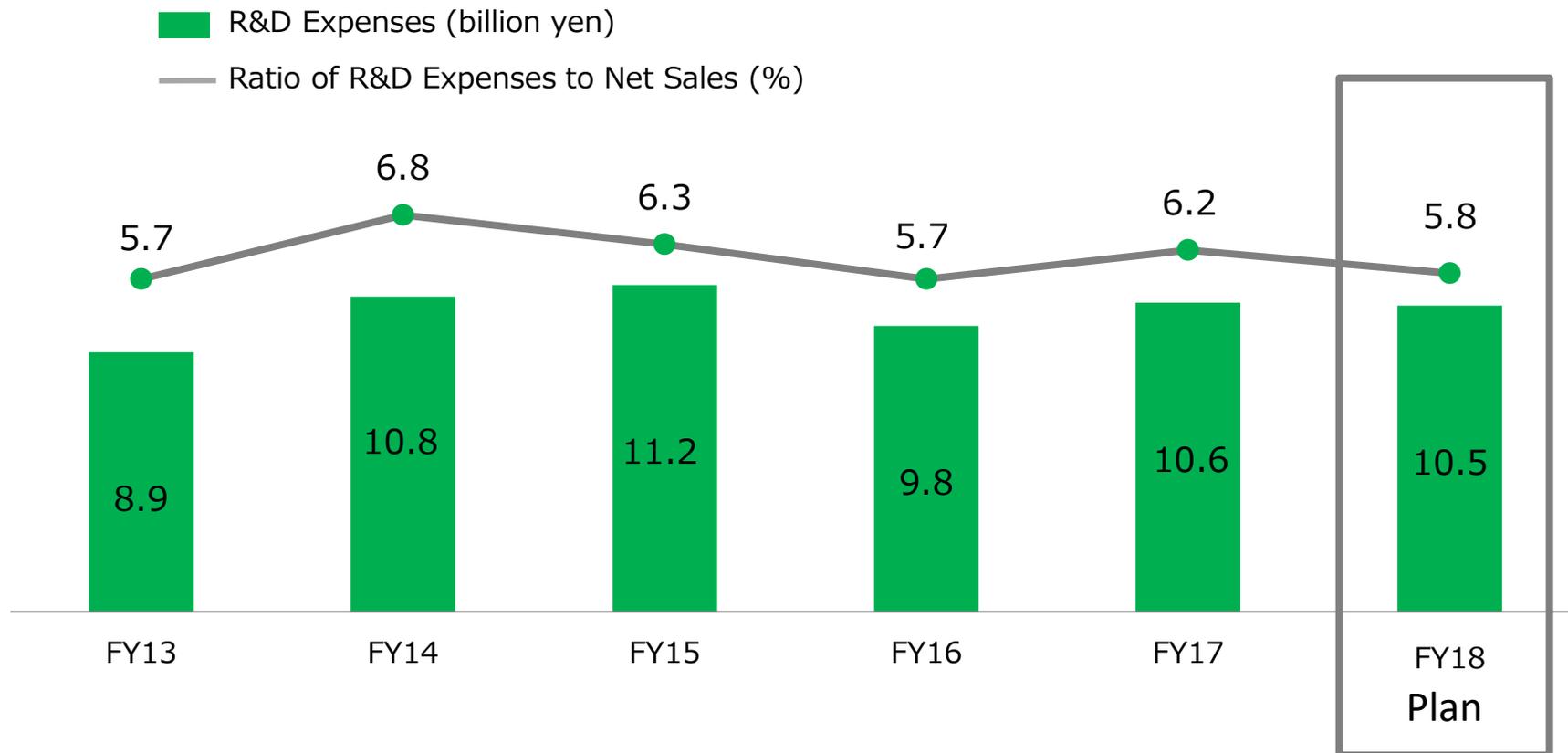
Reference: Quarterly Extraordinary Income and Losses

(billion yen)	FY17				FY18			FY18 3Q	FY17 3Q	FY18 3Q	FY18 2Q
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	changes	%	changes	%
Extraordinary Income	6.2	0.0	1.0	5.2	0.0	0.0	1.7	+0.7	+70.3	+1.7	-
Gain on sales of non-current assets	0.1	0.0	0.0	0.2	0.0	0.0	0.0	+0.0	+695.6	+0.0	+525.6
Gain on sales of investment securities	0.0	▲0.0	0.9	4.9	-	-	1.7	+0.7	+73.7	+1.7	-
Gain on return of the substitutional portion of the employees' pension fund	6.0	0.0	-	-	-	-	-	-	-	-	-
Extraordinary Losses	0.0	0.7	0.2	1.9	0.7	0.9	0.4	+0.1	+55.1	▲0.5	▲54.1
Loss on disposal of property, plant and equipment	0.0	0.1	0.0	0.1	0.0	0.0	0.0	▲0.0	▲73.4	▲0.0	▲15.1
Special retirement expenses	0.0	0.2	0.1	0.0	-	-	-	▲0.1	▲100.0	-	-
Loss on revision of retirement benefit plan	-	-	-	-	0.0	-	-	-	-	-	-
Business structural reform expenses	-	-	-	-	0.6	0.6	0.4	+0.4	-	▲0.1	▲29.2
Impairment loss	-	0.1	-	1.7	-	-	-	-	-	-	-
Loss on sales of shares of subsidiaries and associates	-	0.1	-	-	-	-	-	-	-	-	-
Others	0.0	0.0	0.0	0.0	0.0	0.2	▲0.0	▲0.1	▲143.6	▲0.3	▲115.7

Reference: Sales Ratio by region



Reference: R&D Expenses



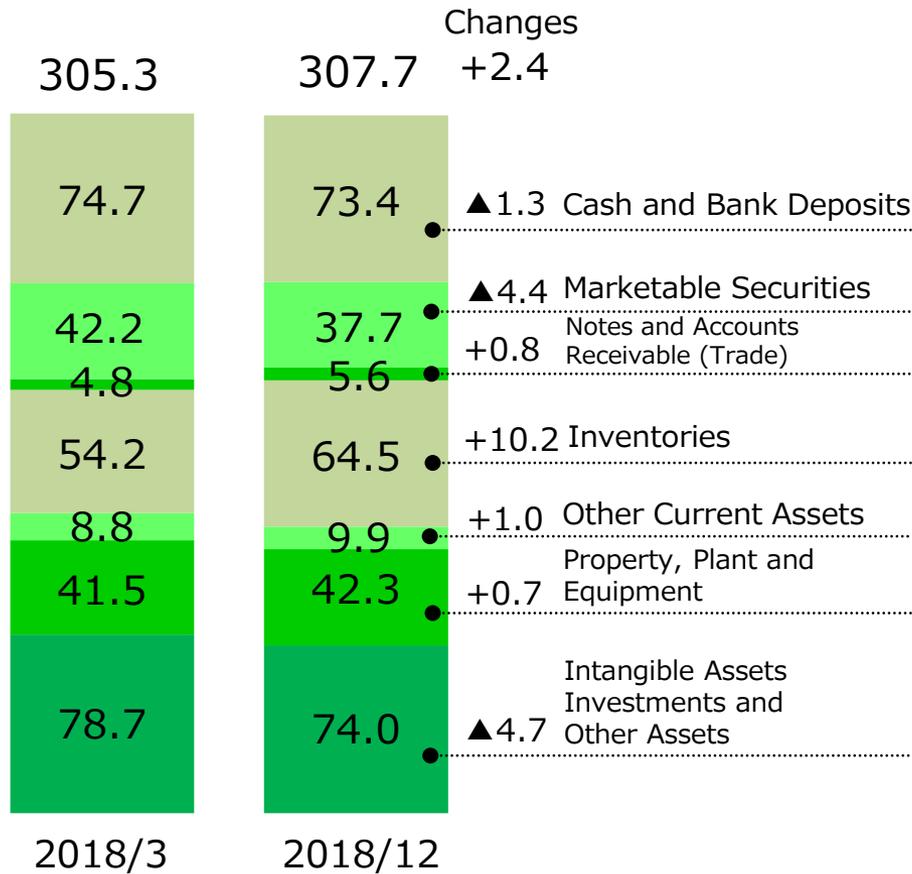
	FY17 3Q	FY18 3Q	YoY	
			Changes	%
R&D Expenses (billion yen)	7.7	7.7	▲0	▲0.6
Ratio of R&D Expenses to Net Sales (%)	6.0	6.3	+0.3P	-

Reference: Half Year Transition 《Other Income and Expenses ・ Extraordinary Income and Losses》

(billion yen)	FY17 1Q-3Q	FY18 1Q-3Q	FY18 1Q-3Q – FY17 1Q-3Q		(billion yen)	FY17 1Q-3Q	FY18 1Q-3Q	FY18 1Q-3Q – FY17 1Q-3Q	
			Changes	%				Changes	%
Other Income	3.1	3.3	+0.1	+5.2	Extraordinary Income	7.2	1.8	▲5.4	▲74.9
Interest income	0.9	1.2	+0.3	+40.9	Gain on sales of non-current assets	0.1	0.0	▲0.0	▲49.7
Dividend income	1.4	1.4	+0.0	+3.4	Gain on sales of investment securities	1.0	1.7	+0.7	+71.7
Realized and unrealized profit on trading securities, net	0.4	-	▲0.4	▲100.0	Gain on return of the substitutional portion of the employees' pension fund	6.0	-	▲6.0	▲100.0
Gain on specified money in trust	0.1	-	▲0.1	▲100.0	Extraordinary Losses	1.0	2.1	+1.0	+96.4
Others	0.1	0.5	+0.3	+198.0	Loss on disposal of property, plant and equipment	0.2	0.0	▲0.1	▲76.4
Other Expenses	0.9	0.7	▲0.1	▲20.2	Special retirement expenses	0.3	-	▲0.3	▲100.0
Interest expenses	0.3	0.3	+0.0	+3.7	Loss on revision of retirement benefit plan	-	0.0	+0.0	-
Exchange loss	0.4	-	▲0.4	▲100.0	Business structural reform expenses	-	1.7	+1.7	-
Others	0.0	0.3	+0.2	+327.8	Impairment loss	0.1	-	▲0.1	▲100.0
Other Income and Expenses	2.2	2.5	+0.3	+15.6	Loss on sales of shares of subsidiaries and associates	0.1	-	▲0.1	▲100.0
					Others	0.1	0.2	+0.0	+60.9

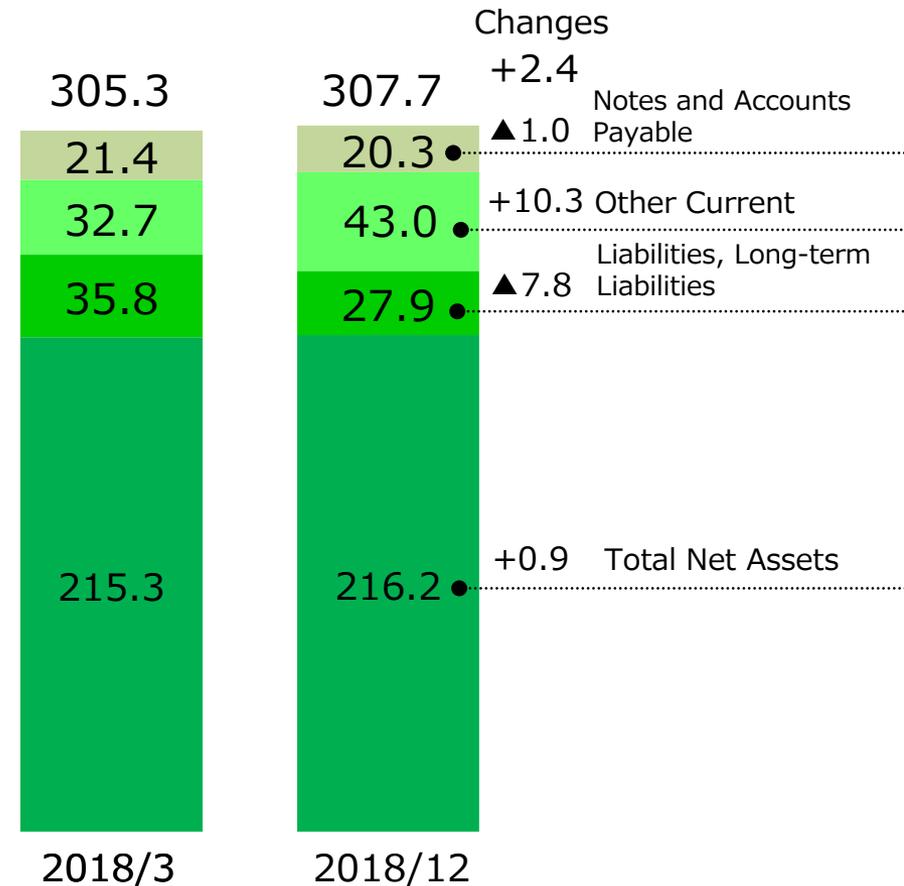
Reference: Balance Sheet

◆ Assets (billion yen)



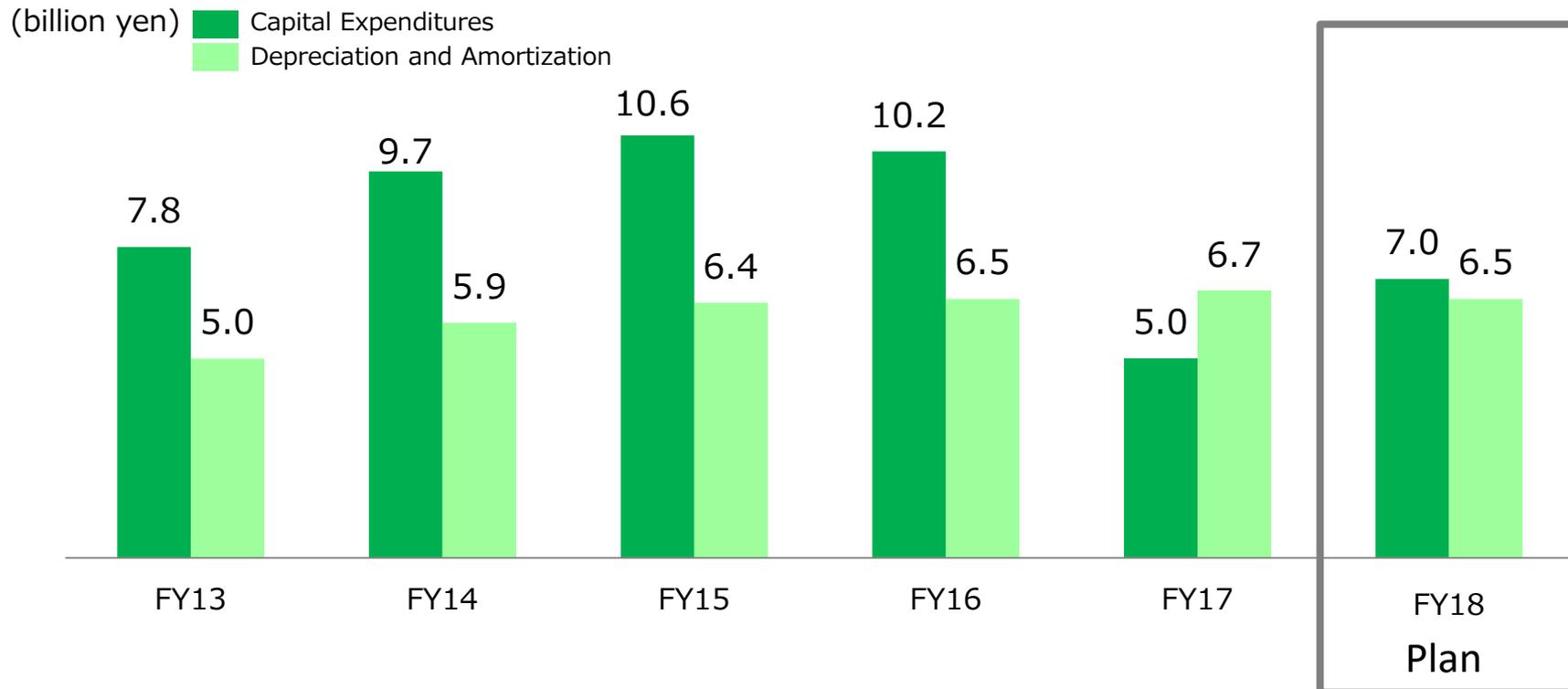
● Turnover (month)	2018/3	2018/12
Receivable-trade	2.9	2.9
Inventories	3.7	4.4

◆ Liabilities/Total Net Assets (billion yen)



● Equity Ratio (%)	2018/3	2018/12
Equity Ratio (%)	70.4	70.2

Reference: Capital Expenditures, Depreciation and Amortization.



(billion yen)

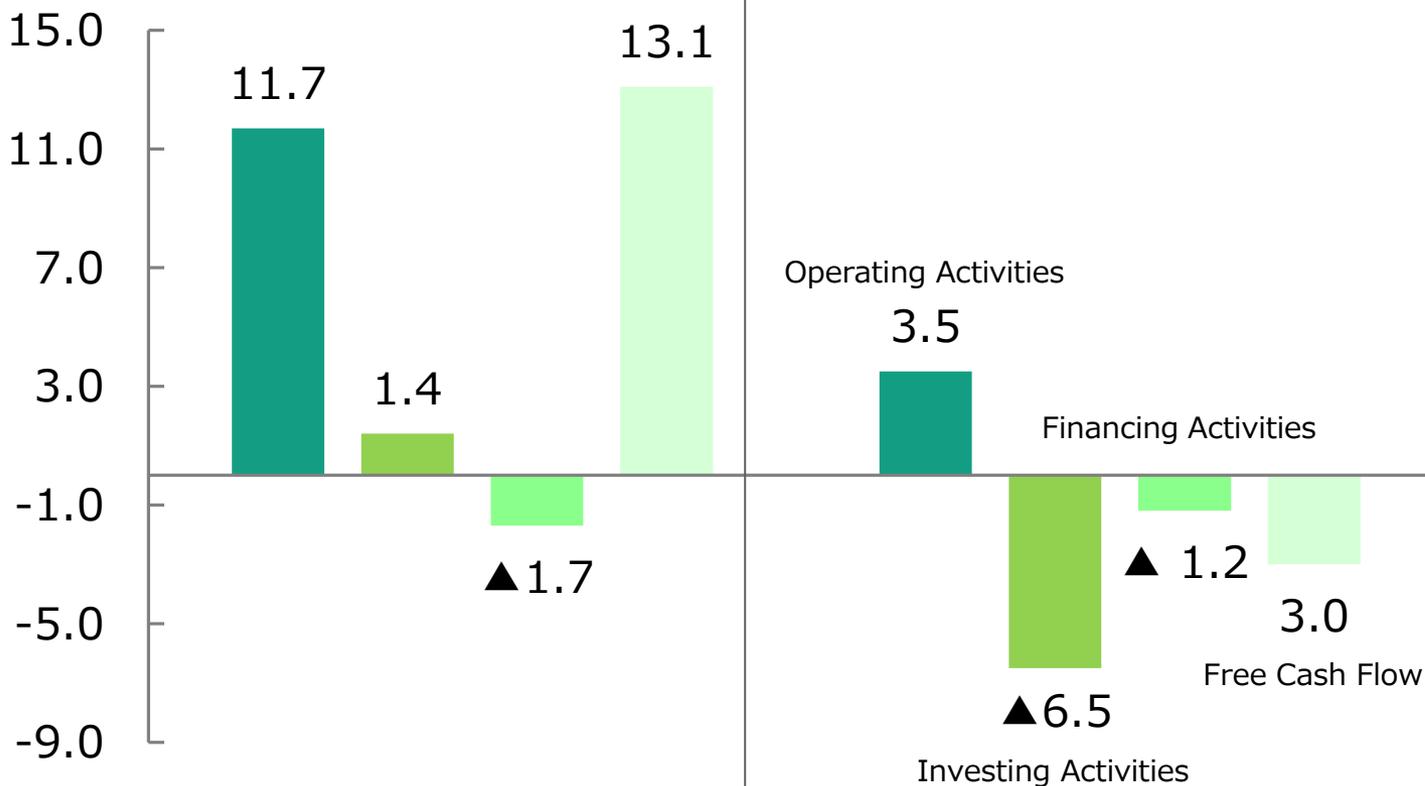
	FY17 3Q	FY18 3Q	YoY	
			Changes	%
Capital Expenditures	3.3	4.7	+1.4	+44.1
Depreciation and Amortization	5.0	4.8	▲0.2	▲4.4

Note 1. Capital Expenditures = Property, Plant and Equipment + Intangible assets (excluding Goodwill)

Note 2. Increase of Goodwill not included in Capital Expenditures: FY17_3Q: ¥ 0.3 billion, FY18_3Q: ¥ 0.5 billion

Reference: Cash Flow

(billion yen)



FY17_3Q

Cash and Cash Equivalents at the Beginning of the FY	50.9
Cash and Cash Equivalents in the End of the FY	63.3

FY18_3Q

Cash and Cash Equivalents at the Beginning of the FY	66.0
Cash and Cash Equivalents in the End of the FY	62.6

Press Release : Ushio Inc. and Kobe University have achieved the world's first successful reduction of bacteria using ultraviolet irradiation that is harmless to normal human skin

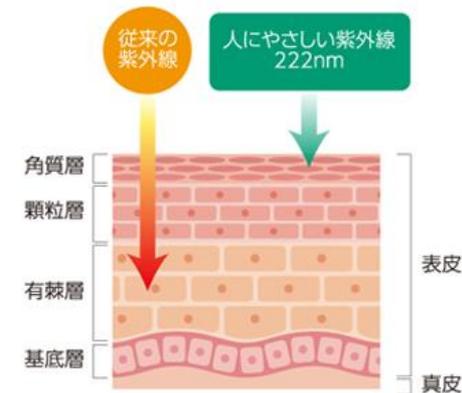
Ushio Inc. (hereinafter "USHIO") has succeeded, for the first time in the world, in killing bacteria by directly irradiating normal human skin with 222-nm light at 500 mJ/cm² without causing erythema as a sign of acute injury, in cooperation with a group led by Professor Ryosuke Kuroda, Chairman of the Department of Orthopaedic Surgery, Kobe University Graduate School of Medicine.

In the destruction of multidrug-resistant bacteria, 254-nm UVC light has been used more frequently than UVC light of other wavelengths. However, since direct irradiation of 254-nm UVC light to the human body at 10 mJ/cm² causes sunburn-like skin redness (erythema) a sign of acute skin injury, direct UVC irradiation to the human body was considered to be harmful. In a recent clinical study, it was confirmed that 222-nm light when applied to skin at a high irradiation dose of 500 mJ/cm², did not cause acute skin injury, suggesting that 222nm light has a great potential in applications for UV sterilization and disinfection in medical and nonmedical fields.

This technology has the following potential uses:

- Disinfection of surgical sites during surgery
- Treatment of infected chronic wounds
- Minimization of the transmission (airborne or contact infection) of avian influenza virus (H1N1), severe acute respiratory syndrome coronavirus (SARS-CoV), Middle East respiratory syndrome coronavirus (MERS-CoV), dengue virus, and Ebola virus
- Ultraviolet devices for hand disinfection
- Additional disinfection function of hand dryers or other devices
- Sterilization of spore-forming bacteria and noroviruses
- Infection prevention for hospitals, airplanes, passenger ships, airports, food processing facilities, etc.

In collaboration with research organizations in Japan and abroad, USHIO is currently investigating and confirming the 222-nm ultraviolet irradiation device in the present study (development name, SafeZone UVCR) does not cause chronic skin disorders (skin cancer) and acute and chronic eye disorders. USHIO continues the collaborative research on the SafeZone UVC with Kobe University to commercialize it for use in surgical field disinfection and sterilization during orthopedic surgery. In nonmedical fields, USHIO aims to commercialize the SafeZone UVC for use in infection prevention at nursing homes, food processing facilities, airports, airplanes, passenger ships, etc., The SafeZone UVC device will contribute to the realization of a safe and healthy society using "light technology."



Press Release : New LUMINITY Series saves the Xenon Heyday

USHIO, one of the largest and most trusted names in the manufacturing of high-pressure xenon lamps today, proudly introduces the LUMINITY series.

LUMINITY is the result of a substantial R&D effort that extends the lifespan of numerous xenon lamps with additional working hours between 100-500 hours.

Movie theatres across the globe can now improve operational profitability, prolong functional rentability of their facilities, and safeguard the excellent quality rendition of movies true to the xenon tradition.

- Main Feature
 - The Longest Lamp Life in the industry
 - Approved by projector manufacturers

Lamp type	Warranty	Projector Model
DXL-40BAF/LU	1900	DP2K-20C, DP2K-23B, DP4K-23B
DXL-60SN/LU	1000	NC2500S, NC3200S, NC3240S
DXL-65BA/L	900	DP2K-32B, DP4K-32B



LUMINITY is the superhero that takes outstanding quality to the next super level. As an established supplier to those making the now happens, we invest in helping them secure a profitable present as they contemplate their future ahead.

Reference: Features of USHIO Group's Light Sources

	Lamp Projector		Laser Projector		
Light Source	Super High-Pressure UV Lamp	Xenon Lamp	LaPH	RGB Laser (CP-RGB Series)	RGB Laser
Christie's Line up					
	Variety of Projectors (3LCD/1DLP/ 3 DLP)	CP Series Roadie and others	Crimson Series	CP4325-RGB* CP2320-RGB* CP2315-RGB* On Sale	Non Dolby Projector (CP42LH EWD /6P) Dolby Vision Projector (E3LH)
Lumen	<30,000	<45,000	<30,000	<23,000 <35,000	<60,000
Use	<ul style="list-style-type: none"> General Projection (Office, Home, Education, Hall, Event) 	<ul style="list-style-type: none"> Cinema General Projection (Hall & Event) 	<ul style="list-style-type: none"> Non-Cinema General Projection (Hall & Event) 	<ul style="list-style-type: none"> Cinema 	<ul style="list-style-type: none"> Laser Cinema (Dolby Cinema, etc.) General Projection (Industrial VR, Theme park attraction)
Price	Low	Medium	Medium	Medium – High	High
Life	Medium**	Medium-Long**	Medium	Long	Long
Color	△○	○	△	◎	◎

* The industry's first – Lightest & Hi-Quality RGB Laser Projector

** Lamp replacement is necessary. Some lamp projectors, Mercury Lamp for general projection, Xenon Lamp for Cinema, may have longer life than LaPh projector.

Glossary

DCP	Digital Cinema Projector
EUV	Extreme Ultraviolet Radiation
FPD	Flat Panel Display
IoT	Internet of Things
M-SAP	Modified Semi Additive Process
OA	Office Automation
OLED	Organic Light Emitting Diode
RGB	Red Green Blue
UV	Ultraviolet
5G	5 th Generation

USHIO

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