YASKAWA

FY2018 Nine Months Financial Results (Ended November 30, 2018)

FY2018 Full-Year Forecasts (Ending February 28, 2019)

Notes:

- The Company changed its accounting period in fiscal 2017 from March 20 to the last day of February. As a result of this change, the period for the first three quarters of the fiscal year ending February 2019 (From March 1, 2018 to November 30, 2018) is different from that of the first three quarters of the previous fiscal year (From March 21, 2017 to December 20, 2017). Therefore, the year-on-year changes of the nine months results in this material are shown as <reference>.
- The information within this document is made as of the date of writing. Any forwardlooking statements are made according to the assumptions of management and are subject to change as a result of risks and uncertainties. YASKAWA Electric Corporation undertakes no obligation to update or revise these forward-looking statements, whether as a result of new information, future events, or otherwise.
- Figures in this document are rounded off, and may differ from those in other documents such as financial results.

YASKAWA ELECTRIC CORPORATION (TSE6506)

1. FY2018 Nine Months Financial Results

- FY2018 Nine Months Financial Results
- Business Segment Overview
- Sales Breakdown by Business Segment
- Sales Breakdown by Destination
- Breakdown of Changes in Operating Income
- Measures for FY2018 3Q

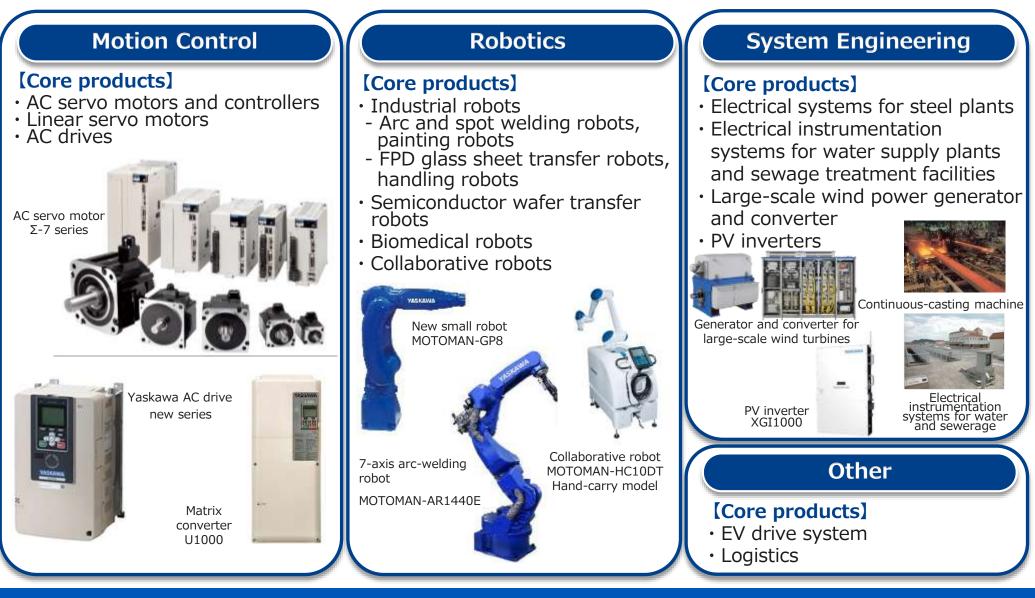
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- Financial Indices
- Net Sales/Operating Income
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Business Overview



1. FY2018 Nine Months Financial Results (Ended November 30, 2018)

FY2018 Nine Months Financial Results (Highlights)

• Sales and profits were record highs as nine months results, while the Chinese market has shown signs of deceleration.

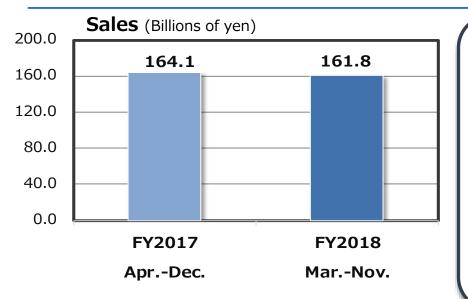
	FY2018	FY2017	Changes «	Reference
	MarNov.	AprDec.	Amounts	%
Net sales	¥ 361.3bn.	¥ 339.8bn.	+¥ 21.5bn.	+6.3%
Operating income	¥ 41.6bn.	¥ 41.6bn.	+¥ 0.1bn.	+0.1%
Ordinary income	¥ 42.8bn.	¥ 41.6bn.	+¥ 1.2bn.	+2.9%
Profit attributable to owners of parent	¥ 37.9bn.	¥ 29.7bn.	+¥ 8.3bn.	+27.9%

FY2018 Nine Months Financial Results by Business Segment

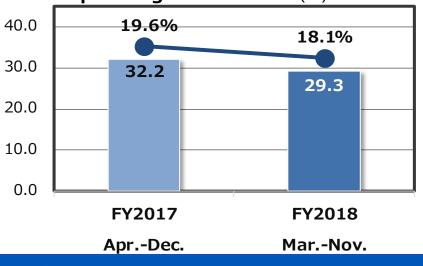
- (R) achieved steady performance, while (M) results stagnated.
- Profitability of (S) improved as an effect of structural reforms.
- Sales and profits of Other segment increased as an effect of reorganization and consolidation of subsidiaries.

	FY2018 MarNov.		FY2017 AprDec.		Changes (Reference)	
(Billions of yen)	Results	Income ratio	Results	Income ratio	Amounts	%
Net sales	361.3		339.8	/	+21.5	+6.3%
Motion Control	161.8		164.1		-2.3	-1.4%
Robotics	131.8		120.5		+11.3	+9.4%
System Engineering	42.1		40.9		+1.3	+3.2%
Other	25.6		14.4		+11.2	+78.0%
Operating income	41.6	11.5%	41.6	12.2%	+0.1	+0.1%
Motion Control	29.3	18.1%	32.2	19.6%	-2.9	-9.1%
Robotics	13.6	10.3%	13.5	11.2%	+0.1	+0.8%
System Engineering	-0.3	-0.6%	-3.1	-7.5%	+2.8	-
Other	0.4	1.7%	0.1	0.6%	+0.3	+416.9%
Elimination or Corporate	-1.4	-	-1.2	-	-0.3	-
Ordinary income	42.8	11.9%	41.6	12.2%	+1.2	+2.9%
Profit attributable to owners of parent	37.9	10.5%	29.7	8.7%	+8.3	+27.9%
	Note:	(M) = Motio	n Control (F	R) = Robotics	s (S)=Syst	em Engineering

Business Segment Overview: Motion Control



Operating income/loss (Billions of yen) **Operating income ratio** (%)



[Sales]

<AC servo & controller business>

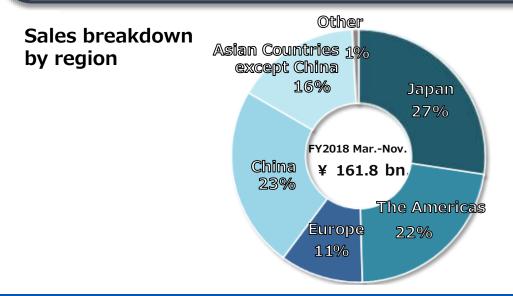
• Performance stagnated due to the effect of the U.S. China trade conflict especially in China and the weak semiconductor-related capital expenditures.

<Drives business>

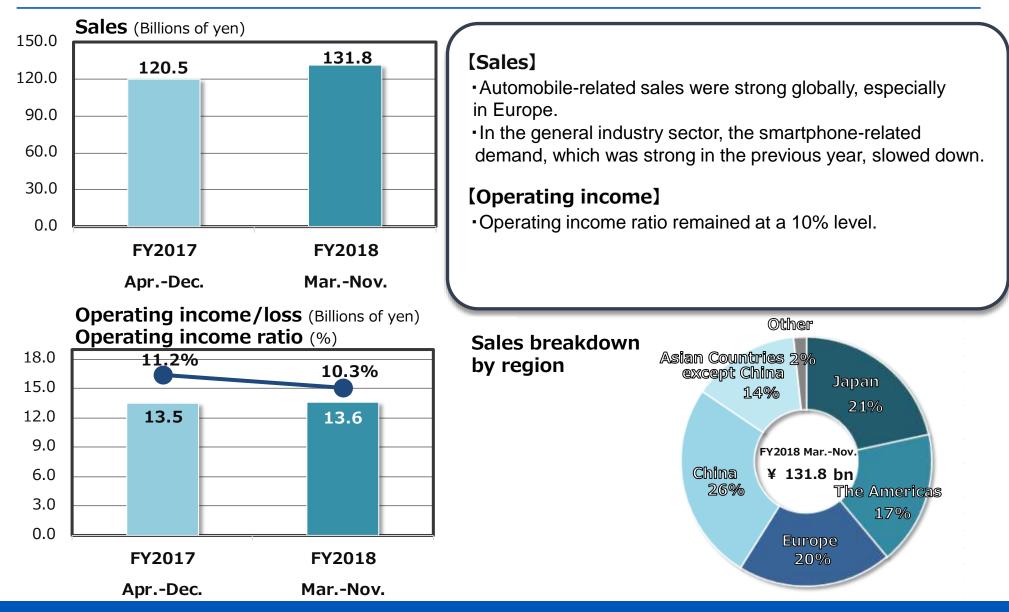
• Steady performance due to infrastructure demand in Japan and U.S. oil&gas-related demand.

[Operating income]

•Although drives business was solid globally, AC servo & controller business saw a slowdown in China, which led to a stagnant profit.

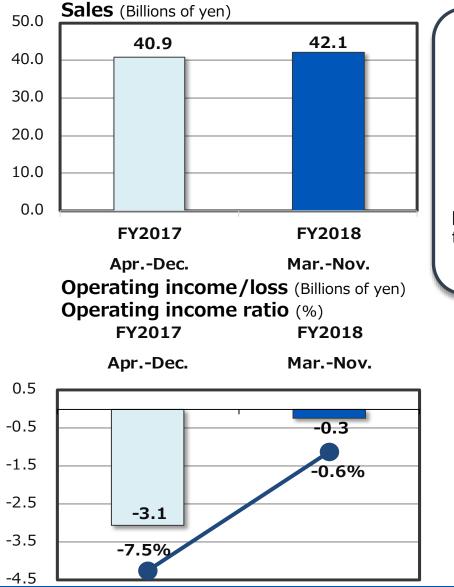


Business Segment Overview: Robotics



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Business Segment Overview: System Engineering

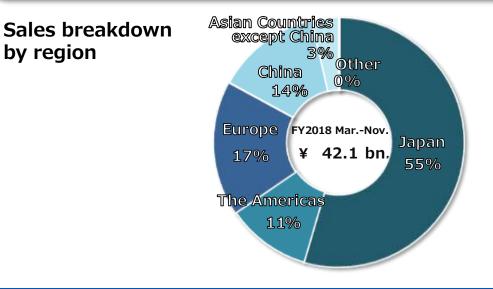


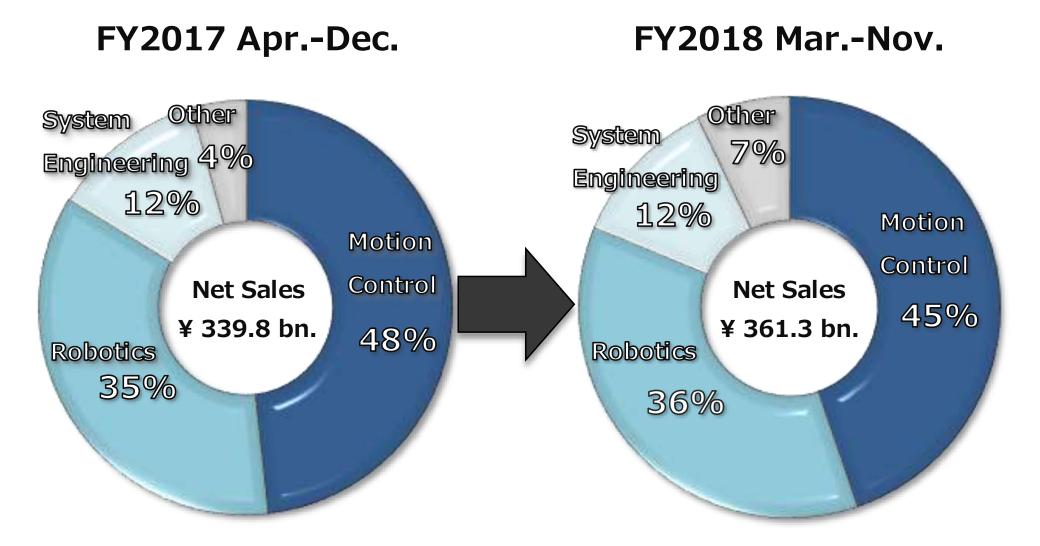
[Sales]

Steel plant and social system businesses remained solid.
As for the clean power business, sales related to large-scale wind turbines in Europe grew, while the PV inverter sales were sluggish.

[Operating income/loss]

• Profitability improved due to the sales increase in the steel plant and social system businesses, and cost reduction through the structural reforms in the clean power business.

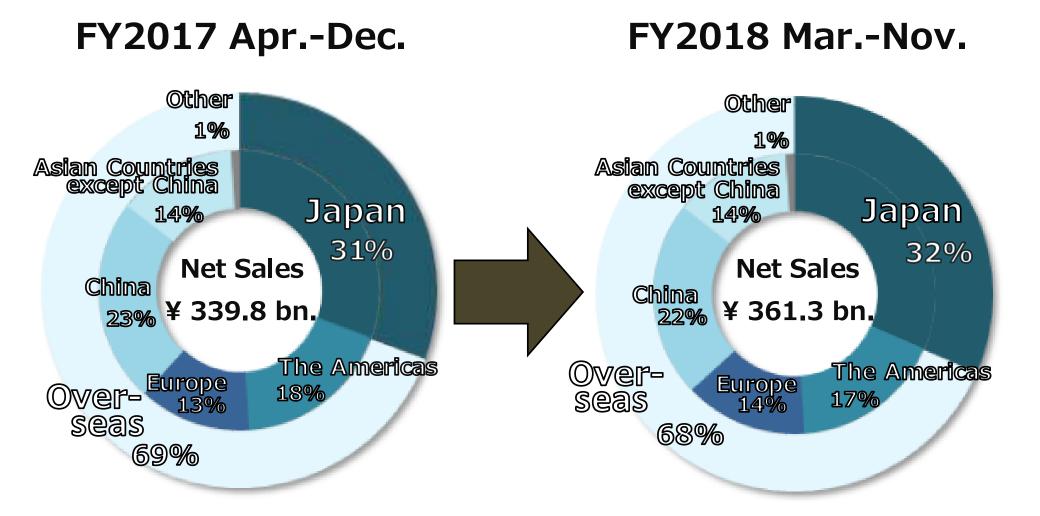




• Sales increased in all regions, especially in Japan and Europe.

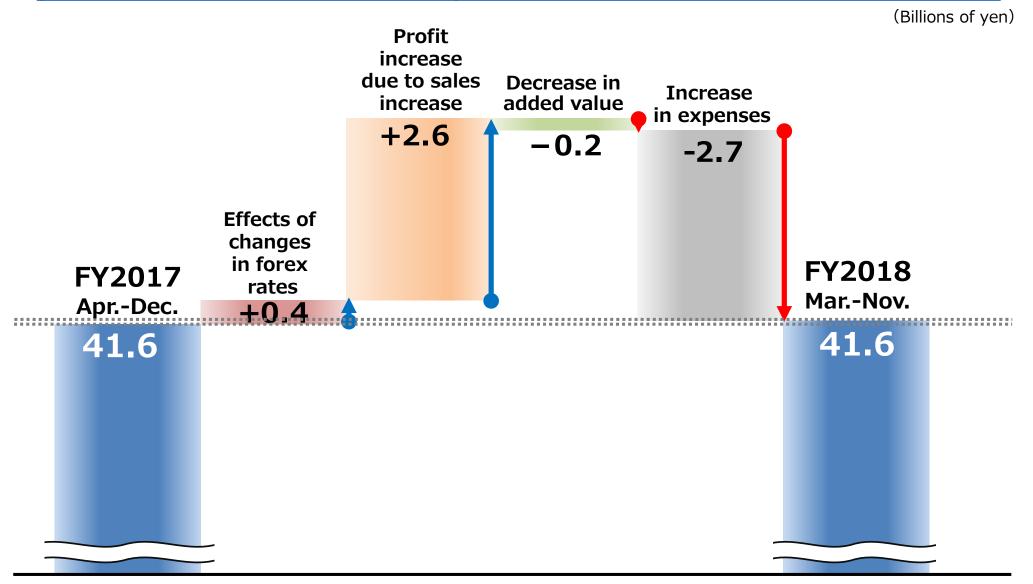
	FY2018	FY2017	Change	S (Reference)
(Billions of yen)	MarNov.	AprDec.	Amounts	%
Net sales	361.3	339.8	+21.5	+6.3%
Japan	113.9	104.2	+9.7	+9.3%
Overseas	247.4	235.7	+11.7	+5.0%
The Americas	63.3	62.2	+1.1	+1.8%
Europe	50.8	43.9	+6.9	+15.8%
China	81.3	79.8	+1.4	+1.8%
Asian Countries except China	48.7	46.6	+2.1	+4.5%
Other	3.3	3.1	+0.2	+7.1%

Note: Other includes Australia and South Africa, etc.



Breakdown of Changes in Operating Income

(FY2017 Nine Months → FY2018 Nine Months)



Measures for FY2018 3Q (1)

Enhancement of production capability

➔Full-scale operation of Yaskawa Solution Factory, realizing i³-Mechatronics

- Realized high-mix, variable volume production, as well as the smooth-flowing production without generating in-process inventory
- \cdot Realized triple production speed, one-sixth lead time, triple production efficiency*



Factory exterior

Motor assembly line

Control room where visualization of data is realized

Enhancement of sales capability

- Business reorganization for the purpose of sales expansion and management efficiency
 - Integrated steel plant engineering business and general industrial motor business into Yaskawa Automation & Drives Corp.
 - Integrated servomotor and EV motor production function of Yaskawa Motor Co., Ltd. into Motion Control business, PM motor business of Yaskawa Motor Co., Ltd. into Drives business

*Compared with Yaskawa's conventional factory

Measures for FY2018 3Q (2)

Expansion of new businesses

Entry into the food production market

 Provided automated systems to a dedicated vegetable plant for products of a major convenience store chain in Japan

→Launch of a MOTOMAN-GP series robot applicable to food production

• Achieved higher cleanliness and safety standards required for food production lines by applying grease for food machines as lubricant

→Launch of XGI1000 65kW, a new PV inverter product

 Released a universal model in the U.S. and Japan for commercial and utility applications



XGI1000 65kW

2. FY2018 Full-Year Financial Forecasts (Ending February 28, 2019)

FY2018 Full-Year Financial Forecasts (Highlights)

 Forecast figures are revised down on the back of slowdown in the semiconductorrelated investments and weakness in the Chinese market.
 (Forecasts for sales and profit attributable to owners of parent are record high.)

	FY2018	FY2017 (Reference basis)	Changes (Reference〉	<u>FY2018</u>	
	Forecasts	Results	Amounts	%	Previous forecasts	
Net sales	¥ 482.0bn.	¥ 464.5bn.	+¥ 17.5bn.	+3.8%	¥ 498.0bn.	
Onersting income						
Operating income	¥ 53.0bn.	¥ 57.1bn.	-¥ 4.1bn.	-7.2%	¥ 59.0bn.	
Ordinary income						
Ordinary income	¥ 54.4bn.	¥ 58.3bn.	-¥ 3.9bn.	-6.7%	¥ 60.0bn.	
Profit attributable						
to owners of parent	¥ 45.5bn.	¥ 41.7bn.	+¥ 3.7bn.	+9.0%	¥ 47.0bn.	

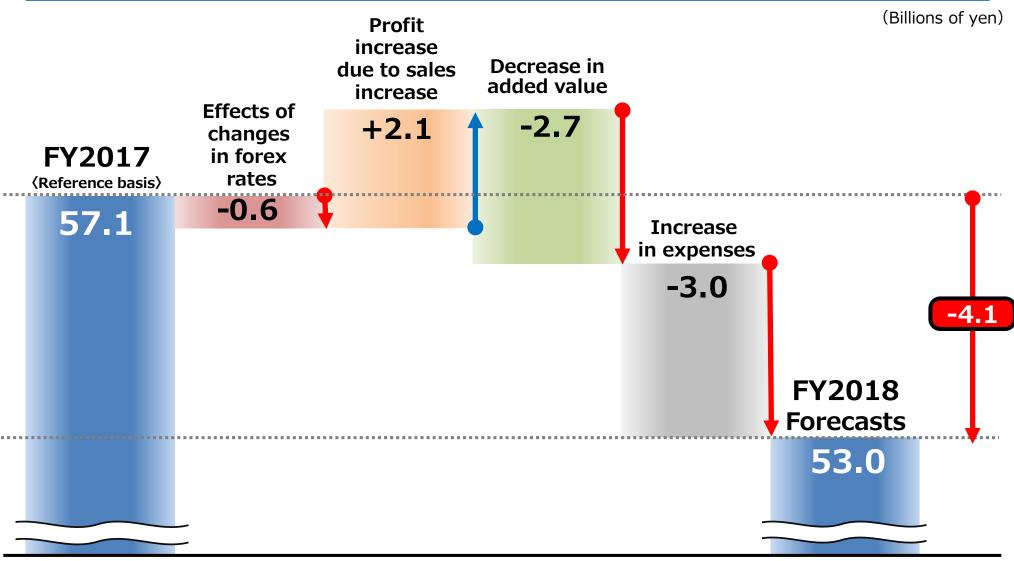
Note: FY2017 figures are reference-basis, which are based on an assumption that the accounting period remained unchanged (from March 21, 2017 to March 20, 2018)

Forecast figures are revised down in Motion Control and Robotics. System Engineering is forecast to turn positive.

	FY2018		FY2017		Changes	(Reference)	FY2018	
	Forecasts	Income	Results	Income	Amounts	%	Previous	Income
(Billions of yen)	TUTECasts	ratio	〈Reference basis〉	ratio	Amounts	70	forecasts	ratio
Net sales	482.0		464.5	/	+17.5	+3.8%	498.0	
Motion Control	209.5		215.2		+11.9 +7.19	-2.6%	218.0	
Robotics	178.7		166.8			+7.1%	185.0	
System Engineering	60.8		61.3			-0.7%	61.0	
Other	32.9		21.1		+11.8	+55.6%	34.0	
Operating income	53.0	11.0%	57.1	12.3%	-4.1	-7.2%	59.0	11.8%
Motion Control	35.9	17.1%	42.3	19.6%	-6.4	-15.1%	41.0	18.8%
Robotics	18.5	10.4%	18.5	11.1%	+0.1	+0.4%	19.8	10.7%
System Engineering	0.1	0.2%	-2.1	-3.4%	+2.2	-	-0.4	-0.7%
Other	0.5	1.5%	-0.2	-0.7%	+0.7	-	0.6	1.9%
Elimination or Corporate	-2.1	-	-1.4	_	-0.7	-	-2.1	_
Ordinary income	54.4	11.3%	58.3	12.6%	-3.9	-6.7%	60.0	12.0%
Profit attributable to owners of parent	45.5	9.4%	41.7	9.0%	+3.7	+9.0%	47.0	9.4%

Note: FY2017 figures are reference-basis, which are based on an assumption that the accounting period remained unchanged (from March 21, 2017 to March 20, 2018)

Breakdown of Changes in Operating Income (FY2017 → FY2018 Forecasts)



Note: FY2017 profit figure is reference-basis, which is based on an assumption that the accounting period remained unchanged (from March 21, 2017 to March 20, 2018)

3. Reference

Capital Expenditure, R&D Investment, Forex Rates

Capital expenditure, R&D investment)					(Uni	t : Billions	s of Yen)
		F Y 2	016			F Y 2	017		F١	201	8 (Pla	n)
Capital expenditure		14	.91		19.69			35.00				
Depreciation and Amortization	12.08			12.69			14.00					
R&D investment		17	.98			19	.07			21	.00	
Forex rates Note: Average rate during the period (Unit : Yen)						nit : Yen)						
		F Y 2	016		FY2017			FY2018 (Forecasts)				
	AprDec.	4Q	2H	Full-Year	AprDec.	4Q	2H	Full-Year	MarNov.	4Q	2H	Full-Year
U.S. doller	106.3	114.5	109.6	108.4	111.7	110.7	111.5	111.5	110.4	110.0	111.4	110.4
Euro	118.5	121.5	118.4	119.2	127.1	134.2	133.3	128.8	129.8	125.0	127.3	128.6
Yuan	16.03	16.67	16.09	16.19	16.56	17.16	17.08	16.71	16.65	16.00	16.16	16.49
Won	0.093	0.098	0.095	0.094	0.099	0.103	0.101	0.100	0.100	0.100	0.100	0.100

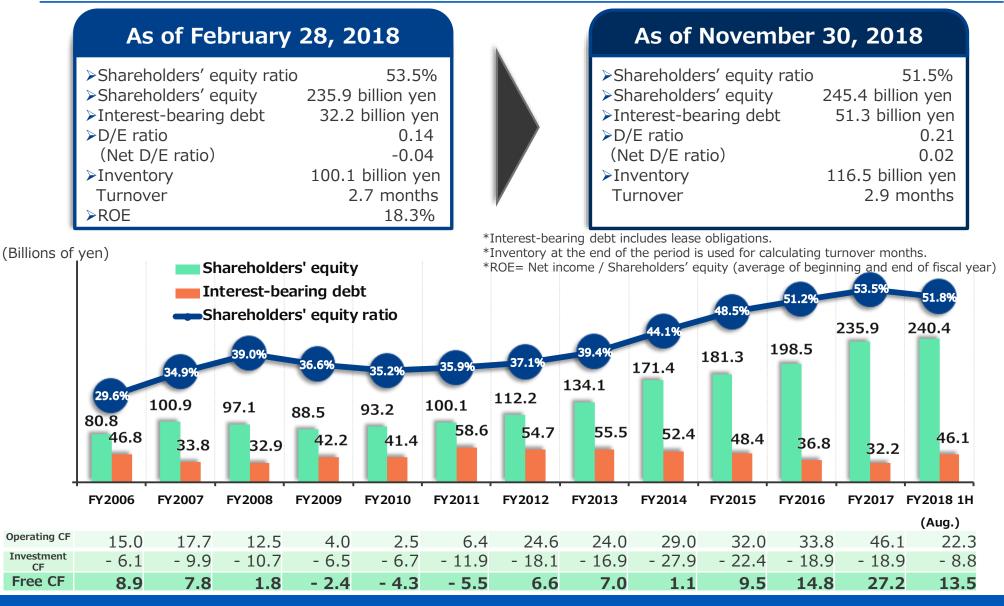
Forex sensitivity

(Unit : Billions of Yen)

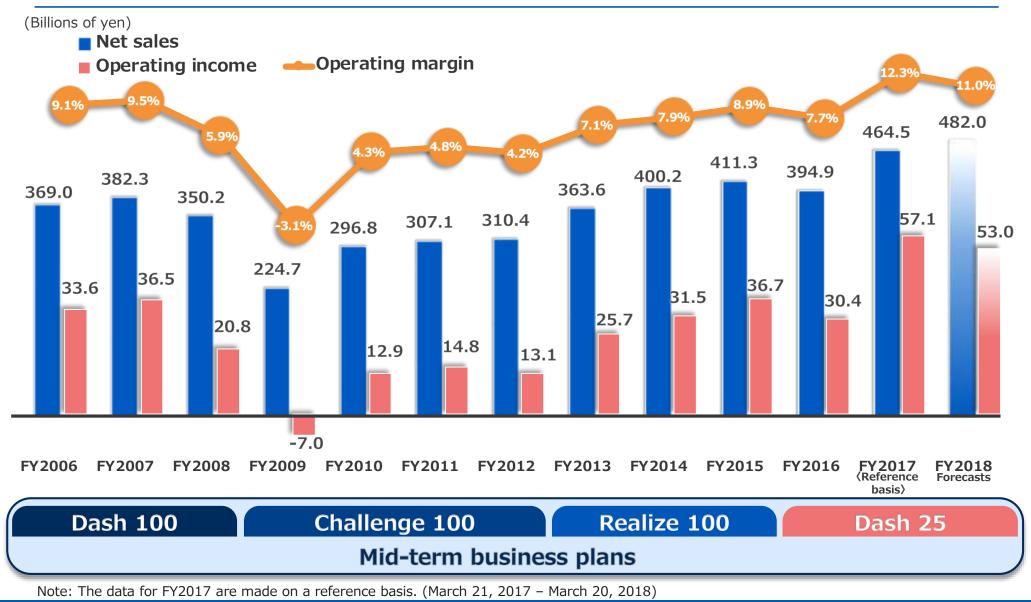
Impact of 1% fluctuation	(full-year,forecasts)
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		Net sales	Operatiing income
-	U.S. doller	approx. 0.94	approx. 0.24
-	Euro	approx. 0.74	approx. 0.21
-	Yuan	approx. 1.02	approx. 0.26
-	Won	approx. 0.31	approx. 0.18

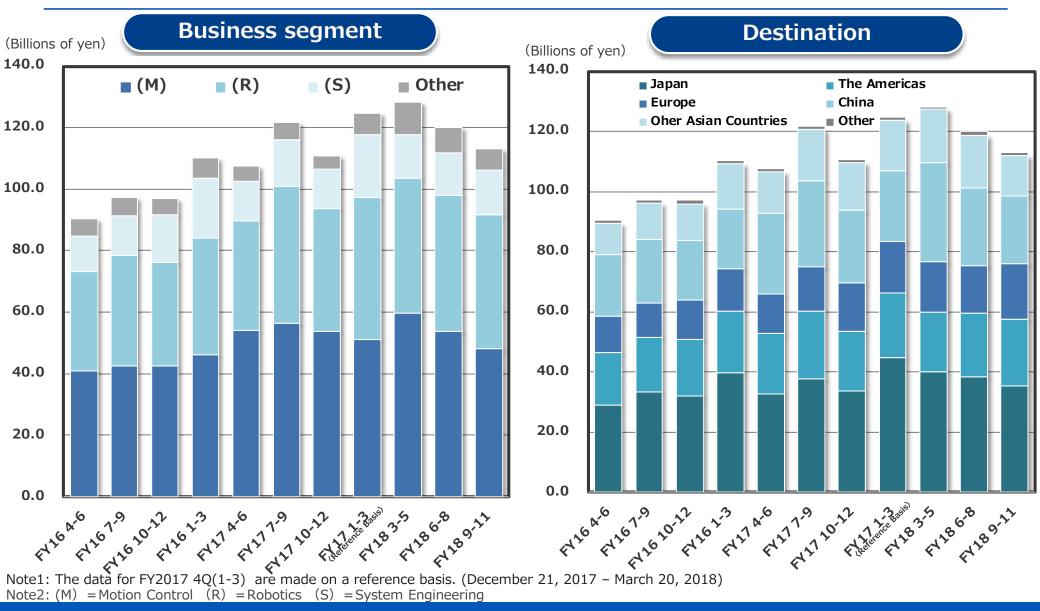
Financial Indices



Net Sales/Operating Income (FY2006-2018 Forecasts)

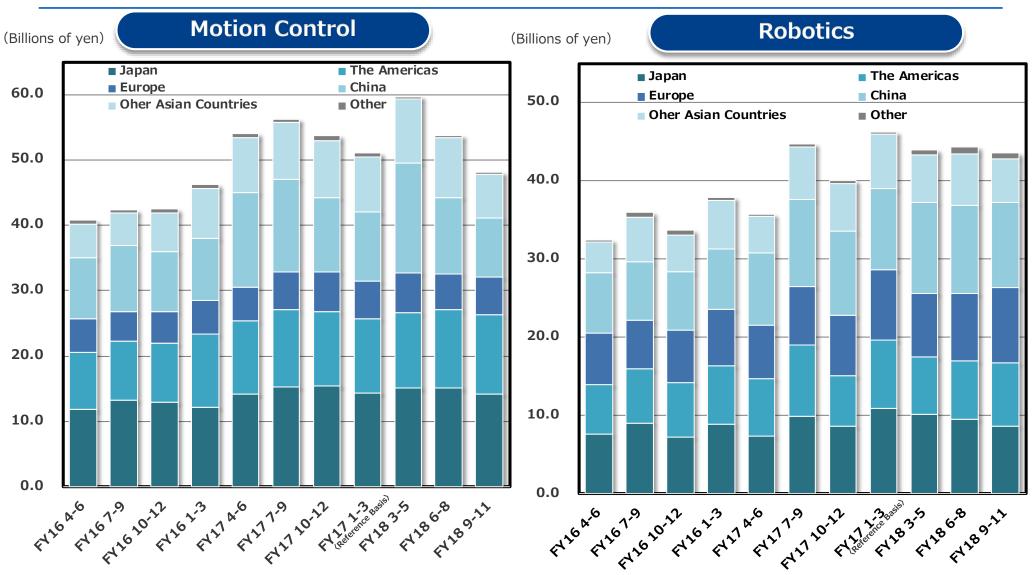


Quarterly Sales Trends (1)



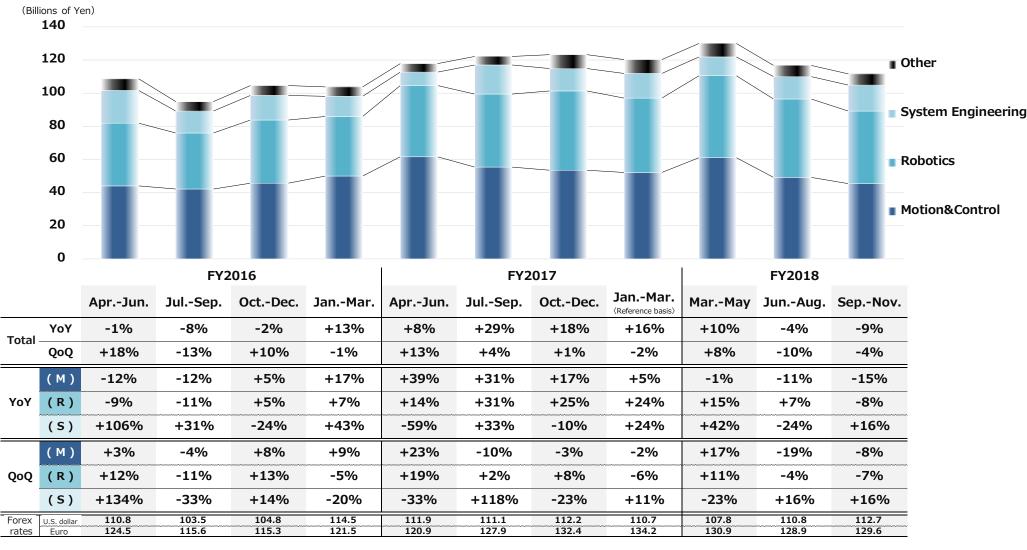
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Quarterly Sales Trends (2)



Note: The data for FY2017 4Q(1-3) are made on a reference basis. (December 21, 2017 - March 20, 2018)

Quarterly Order Trends by Business Segment *Average forex rates during period used

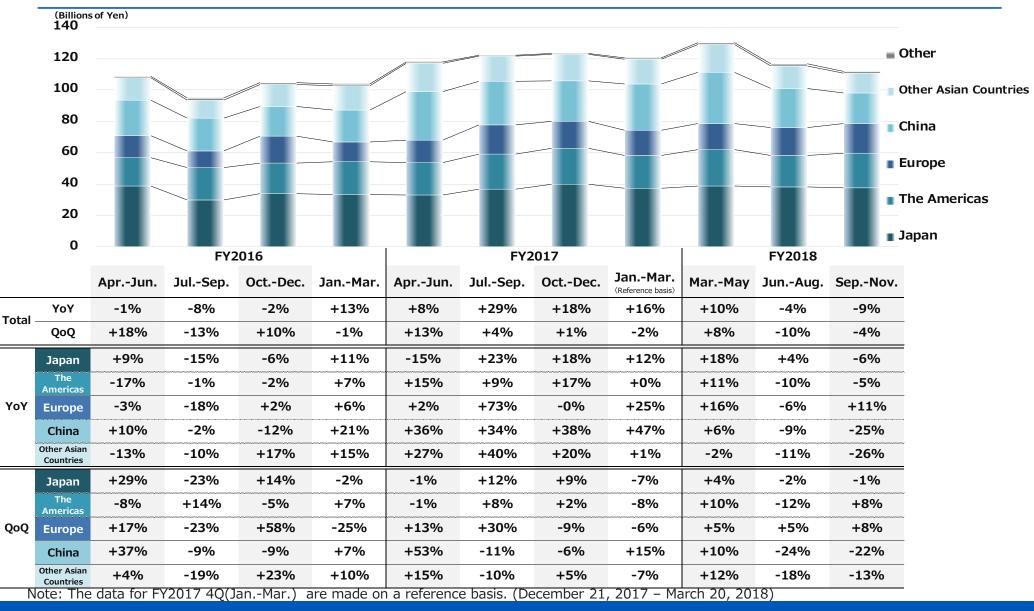


Note1: (M) = Motion Control (R) = Robotics (S) = System Engineering

Note2: The data for FY2017 4Q(Jan.-Mar.) are made on a reference basis. (December 21, 2017 - March 20, 2018)

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Quarterly Order Trends by Destination *Average forex rates during period used



Major Production Bases



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