# YASKAWA

# FY2019 Nine Months Financial Results (Ended November 30, 2019)

# FY2019 Full-Year Forecasts (Ending February 29, 2020)

#### Notes:

- Starting fiscal 2019, Yaskawa reclassified its business segments through organizational changes designed to optimize Group functions. In addition, we have reviewed the management classification and changed the classification of the destination country/region. Accordingly, the figures for fiscal 2018 have been reclassified into the new segment classification and the country/region of destination. (Please refer to P. 17 and 18)
- 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

## Contents

# 1. FY2019 Nine Months Financial Results

- FY2019 Nine Months Financial Results
- Business Segment Overview
- Sales Breakdown by Business Segment
- Sales Breakdown by Destination
- Breakdown of Changes in Operating Income
- Measures for FY2019 3Q

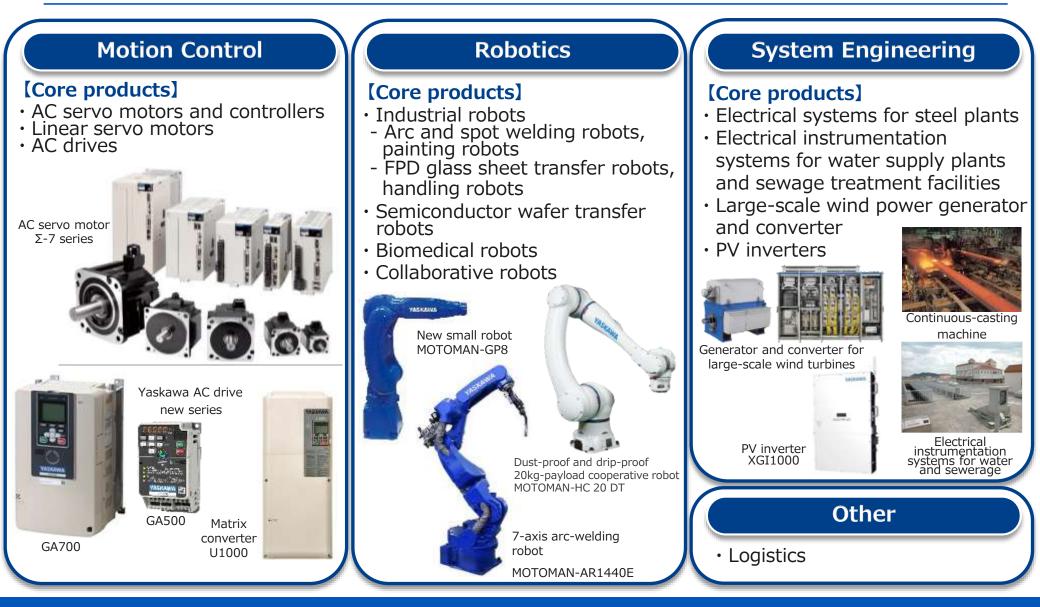
# 2. FY2019 Full-Year Forecasts

• FY2019 Full-Year Financial Forecasts

## **3. Reference**

- Retroactive application of business reclassification to the FY2018 results
- Reclassification of prior year due to change of destination
- Capital Expenditure, R&D Investment, Forex Rates and Sensitivity
- Financial Indices
- Net Sales/Operating Income
- Quarterly Sales Trends
- Quarterly Order Trends
- Major Production Bases

## **Business Overview**



1. FY2019 Nine Months Financial Results (Ended November 30, 2019)

## FY2019 Nine Months Financial Results (Highlights)

 Sales and operating income decreased due to the decline in global capital expenditure demand impacted by the prolonged trade friction between the United States and China

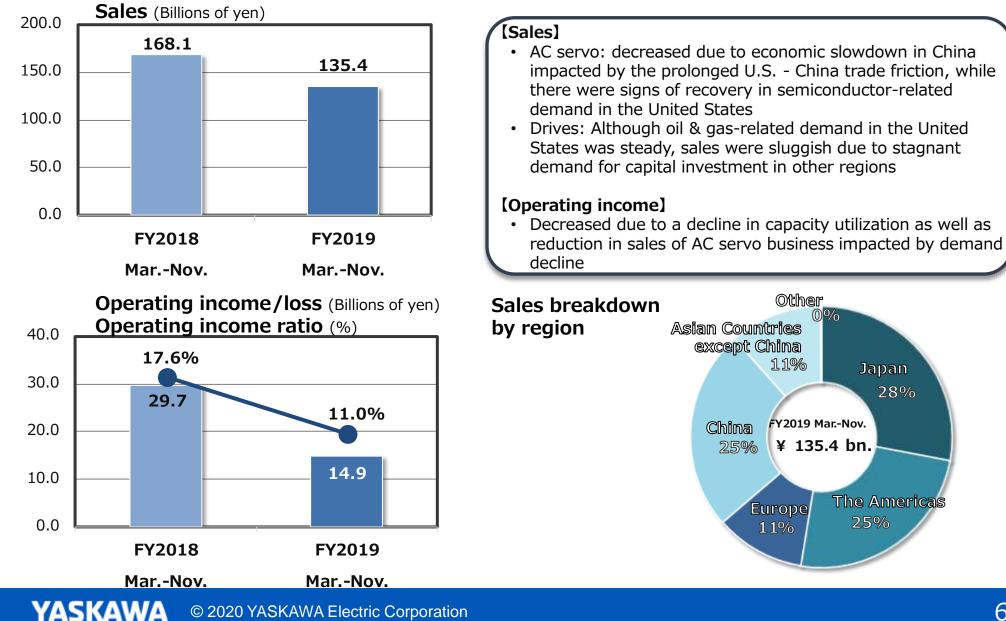
	FY2019	FY2018	Chang	jes
	MarNov.	MarNov.	Amounts	%
Net sales	¥ 309.8bn.	¥ 361.3bn.	-¥ 51.5bn.	-14.3%
Operating income	¥ 16.8bn.	¥ 41.6bn.	-¥ 24.8bn.	-59.7%
Ordinary income	¥ 17.2bn.	¥ 42.8bn.	-¥ 25.6bn.	-59.8%
Profit attributable to owners of parent	¥ 11.1bn.	¥ 37.9bn.	-¥ 26.8bn.	-70.7%

## FY2019 Nine Months Financial Results by Business Segment

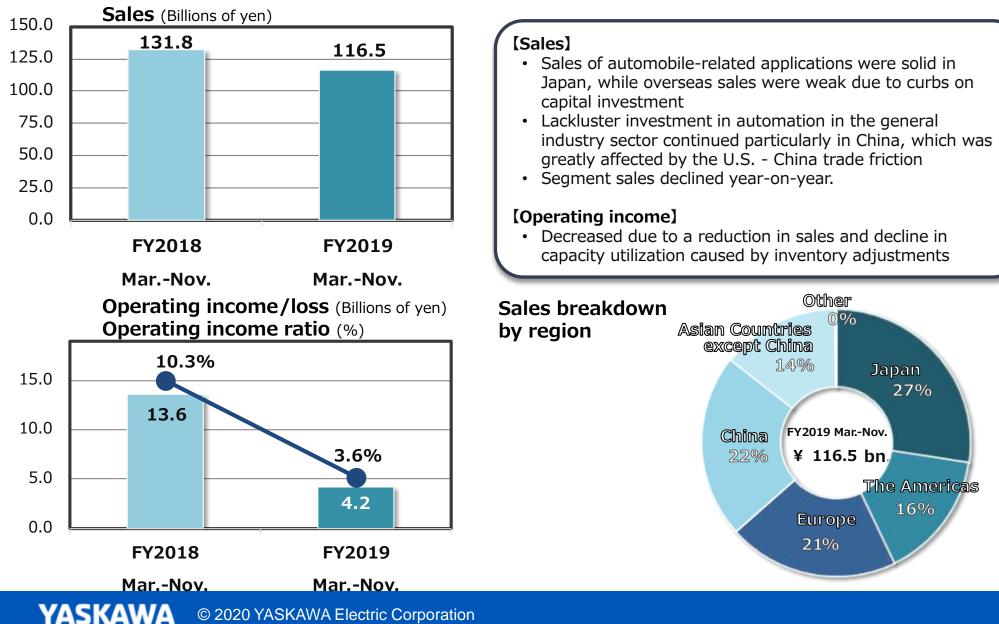
Sales and operating income decreased in Motion Control and Robotics
Sales increased in System Engineering due to new consolidation

	FY2019 N	1arNov.	FY2018 M	1arNov.	Cha	anges
(Billions of yen)	Results	Income ratio	Results	Income ratio	Amounts	%
Net sales	309.8	/	361.3	/	-51.5	-14.3%
Motion Control	135.4		168.1		-32.7	<mark>-19.4%</mark>
Robotics	116.5		131.8		-15.3	<mark>-11.6%</mark>
System Engineering	40.6		35.9		+4.7	+13.1%
Other	17.3		25.6	/	-8.3	-32.3%
Operating income	16.8	5.4%	41.6	11.5%	-24.8	-59.7%
Motion Control	14.9	11.0%	29.7	17.6%	-14.7	-49.7%
Robotics	4.2	3.6%	13.6	10.3%	-9.4	-69.5%
System Engineering	-0.8	-1.9%	-0.6	-1.7%	-0.2	-
Other	-0.1	-0.6%	0.4	1.7%	-0.5	-
Elimination or Corporate	-1.4	-	-1.4	-	+0.0	-
Ordinary income	17.2	5.6%	42.8	11.9%	-25.6	-59.8%
<b>Profit</b> attributable to owners of parent	11.1	3.6%	37.9	10.5%	-26.8	-70.7%

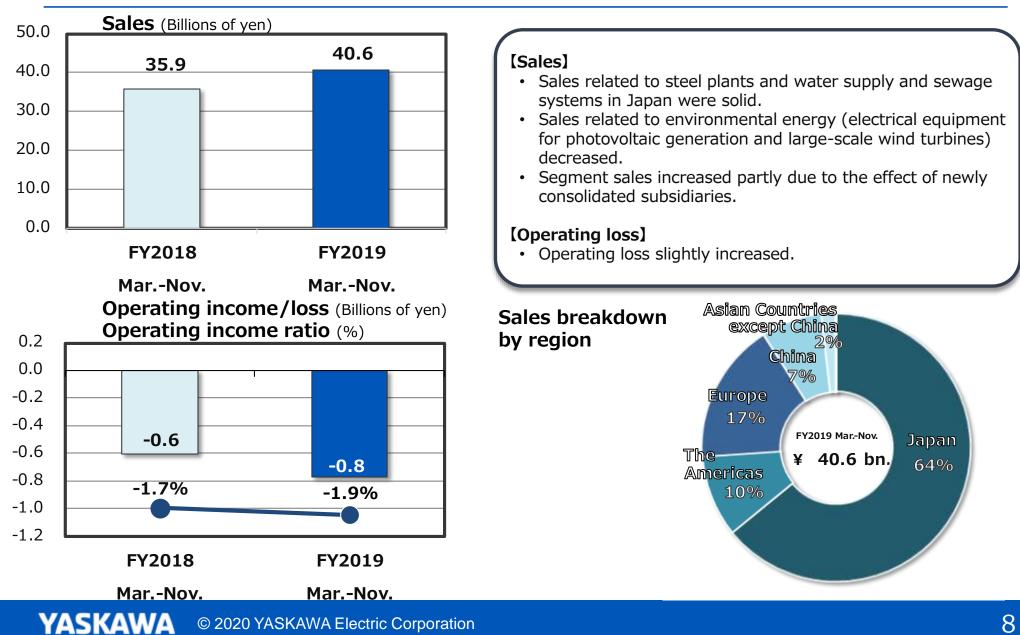
## Business Segment Overview: Motion Control

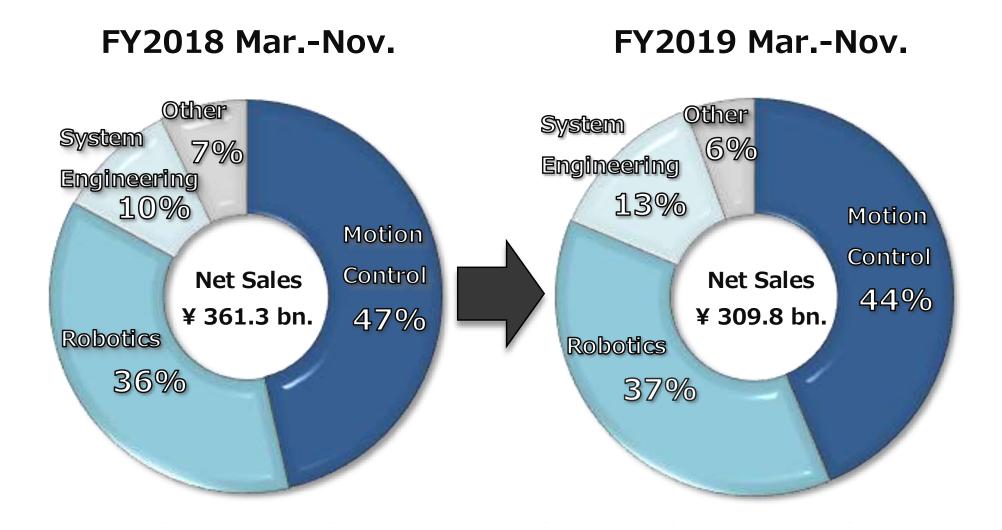


## **Business Segment Overview: Robotics**



## Business Segment Overview: System Engineering



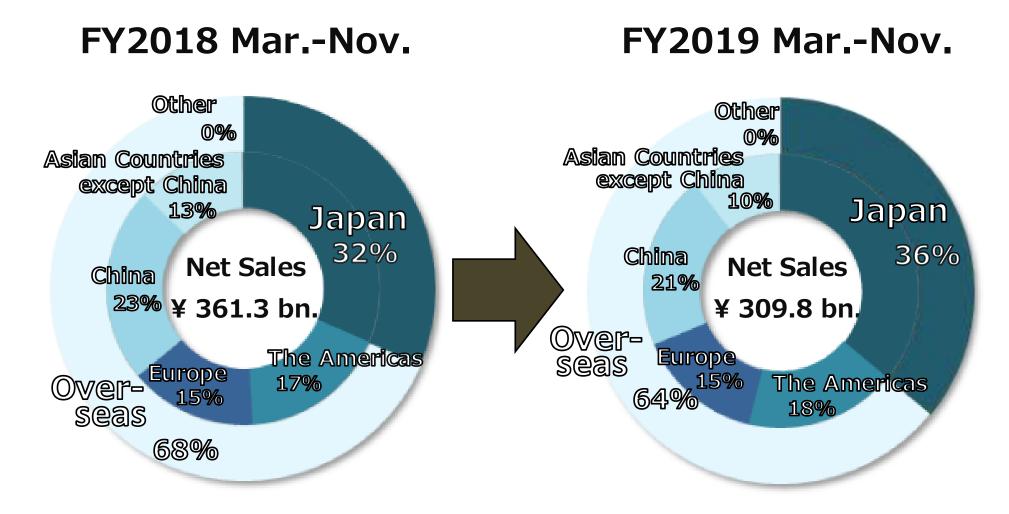


# Sales declined especially in China and other Asian countries

	FY2019	FY2018	Cha	inges
	MarNov.	MarNov.	Amounts	%
Net sales	309.8	361.3	-51.5	-14.3%
Japan	111.4	113.9	-2.5	-2.2%
Overseas	198.4	247.4	-49.1	-19.8%
The Americas	55.5	63.3	-7.8	-12.3%
Europe	45.8	53.8	-7.9	-14.7%
China	64.0	83.8	-19.8	-23.6%
Asian Countries except China	32.7	46.2	-13.5	-29.3%
Other	0.4	0.4	-0.0	-5.1%

Note 1: Europe includes Middle East and Africa.

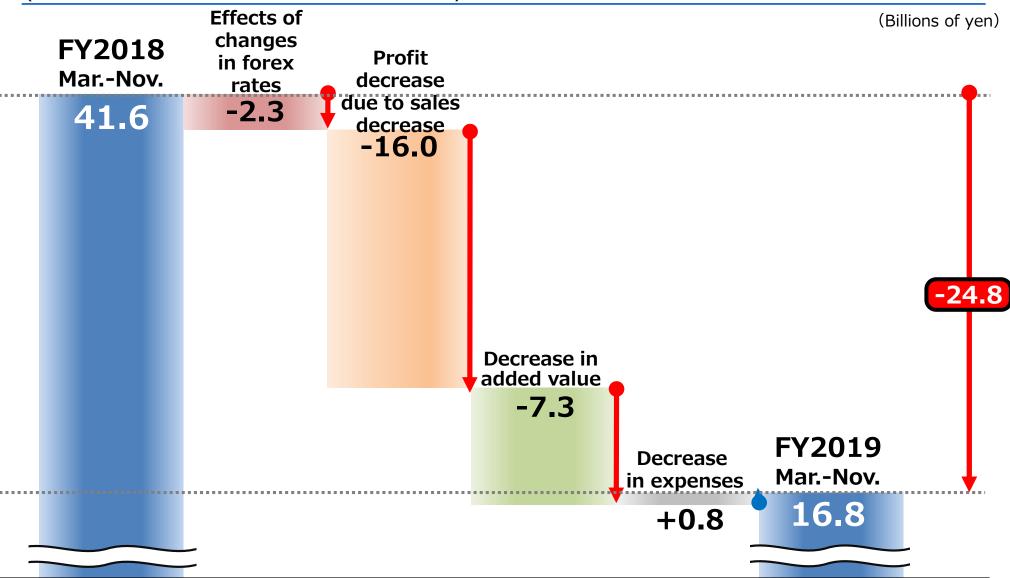
Note 2: The figures for Mar.-Nov. FY 2018 have been reclassified into the new categorization of country/region of destination.



Note: Europe includes Middle East and Africa.

## Breakdown of Changes in Operating Income

(FY2018 Nine Months  $\rightarrow$  FY2019 Nine Months )



## Initiatives in Fiscal 2019 3Q

# Establishing an "i<sup>3</sup>-Mechatronics" business model

#### ➔ Proposed the latest advanced manufacturing systems utilizing data

- Demonstrated synchronous control of equipment and robots by YRM controller (tentative name) at IIFES exhibition
- Proposed automation of multiproduct variable-quantity production by using digital twin and improving the autonomy and mobility of robots at the International Robot Exhibition

## New Product Lineup to Accelerate "Robotics" Business Expansion

#### →Responding to changes in the automobile production lines

· Launched a spot welding robot with a long arm to expand the welding area

# Contributing to stable supply and safety of food through automation of food production

- Launched a 20kg-payload human collaboration robot with dust-proof and drip-proof specifications
- Launched a plated human collaboration robot that eliminate the risk of paint debris contamination for food application

#### →Responding to various automation needs expanding in general industries including 3C\*

· Launched a SCARA robot optimal for assembly and handling of small parts

#### ➔ Proposed solutions for the semiconductor market anticipated to expand

Made reference exhibit of the latest semiconductor wafer transfer robot at SEMICON JAPAN.

\*Digital Communications Equipment (From the acronyms of Computer, Communication and Consumer Electronics)



Proposed advanced manufacturing using data at the International Robot Exhibition





Robot for food production MOTOMAN-HC 10 DTF



SCARA robot MOTOMAN-SG 400

13

2. FY2019 Full-Year Financial Forecasts (Ending February 29, 2020)

## FY2019 Full-Year Financial Forecasts (Highlights)

## • Full-year forecasts announced on Oct. 10, 2019 remain unchanged.

	FY2019	FY2018	Change	es
	Forecasts	Results	Amounts	%
Net sales	¥ 420.0bn.	¥ 474.6bn.	-¥ 54.7bn.	-11.5%
Operating income	¥ 25.0bn.	¥ 49.8bn.	-¥ 24.8bn.	-49.8%
Ordinary income	¥ 26.0bn.	¥ 50.8bn.	-¥ 24.8bn.	-48.9%
Profit attributable to owners of parent	¥ 19.0bn.	¥ 41.2bn.	-¥ 22.2bn.	-53.8%

# 3. Reference

# Reclassified the PM motor business of Yaskawa Motor Co. Ltd., which used to be included in System Engineering, as Motion Control starting FY2019

			FY201	8 (Afte	r segm	ent revi	sion)		Changes
	(Unit: Billions of yen)	1Q	2Q	1H	3Q	4Q	2H	Full-Year	Full-Year
Net	sales	128.2	120.0	248.2	113.1	113.3	226.4	474.6	-
	Motion Control	61.8	56.0	117.8	50.3	45.2	95.5	213.3	+7.8
	Robotics	43.9	44.3	88.2	43.6	46.2	89.8	178.0	-
	System Engineering	11.9	11.5	23.5	12.4	15.8	28.2	51.6	-7.8
	Other	10.6	8.2	18.8	6.8	6.2	13.0	31.8	-
Оре	erating income	17.2	13.3	30.5	11.1	8.1	19.3	49.8	-
	Motion Control	12.4	9.9	22.4	7.3	4.6	11.9	34.2	+0.3
	Robotics	5.0	4.2	9.2	4.4	3.7	8.1	17.3	-
	System Engineering	-0.4	-0.3	-0.7	0.1	0.3	0.4	-0.3	-0.3
	Other	0.6	-0.0	0.6	-0.1	0.0	-0.1	0.4	-
	Elimination or Corporate	-0.5	-0.5	-1.0	-0.4	-0.5	-0.9	-2.0	-

## Retroactive application of destination change to the FY2018 results

- Beginning in FY 2019, management categories were revised and the classification of destination countries and regions was changed.
- Transferred the results of Middle East and Africa from "Other" to "Europe"
- Transferred the results of Hong Kong from "Asian countries except China" to "China"

		FY201	8 (Afte	r destir	ation o	change	)	Changes
(Unit: Billions of yen	) 1Q	2Q	1H	3Q	4Q	2H	Full-Year	Full-Year
Net sales	128.2	120.0	248.2	113.1	113.3	226.4	474.6	-
Japan	40.2	38.4	78.6	35.3	40.6	76.0	154.5	-
Overseas	88.0	81.6	169.7	77.8	72.7	150.4	320.1	-
The Americas	19.8	21.2	41.0	22.3	21.6	43.9	84.9	-
Europe	17.2	17.0	34.3	19.5	16.7	36.1	70.4	+3.9
China	34.2	26.6	60.8	23.0	19.7	42.6	103.4	+3.2
Asian Countries except China	16.5	16.7	33.3	12.9	14.7	27.7	60.9	-3.2
Other	0.2	0.1	0.3	0.1	0.1	0.1	0.4	-3.9

## Capital Expenditure, R&D Investment, Forex Rates

Capital expenditure, R&D investment										(Ur	nit : Billior	ns of Yen)
		FY2017		FY2018			FY2019 (Plan)					
Capital expenditure		19.69			35	.65		20.00				
Depreciation and Amortization		12.69			14	.31			15	.00		
	19.07			20.79			21.00					
R&D investment		19	.07			20	.79			21	.00	
R&D investment Forex rates	5	Note:Aver	_	during the p	eriod		. <b>79</b> 018		FY2	21 2019	(U	nit : Yen asts)
	S AprDec.	Note:Aver	rage rate o		eriod MarNov.	FY2		Full-Year	FY2 MarNov.		(U	asts)
		Note:Aver	rage rate o			FY2	018	Full-Year 110.5		2019	(U (Forec	
Forex rates	AprDec.	Note:Aver FY2 4Q	аде rate с 017 2Н	Full-Year	MarNov.	<b>F Y 2</b> 4Q	018 2H		MarNov.	2 0 1 9 4Q	(U (Forec 2н	asts) Full-Yea
Forex rates	AprDec. 111.7	Note:Aver FY2 4Q 110.7	age rate o 0 1 7 2H 111.5	Full-Year 111.5	MarNov. 110.4	F Y 2 4Q 110.6	018 2H 111.7	110.5	MarNov. 108.9	2 0 1 9 4Q 105.0	(U (Forec 2н 106.6	asts) Full-Yea 107.9

#### Forex sensitivity

(Unit : Billions of Yen)

		alion (FY2019,Iun-year)
	Net sales	Operatiing income
U.S. doller	approx. <b>0.82</b>	approx. <b>0.15</b>
Euro	approx. <b>0.64</b>	approx. <b>0.13</b>
Yuan	approx. <b>0.81</b>	approx. <b>0.18</b>
Won	approx. <b>0.21</b>	approx. <b>0.12</b>

**Impact of 106 fluctuation** (EV2010 full year)

## **Financial Indices**

(Billions of yen)

➤Shareholders' equity ratio	54.1%
Shareholders' equity	246.7 billion yen
Interest-bearing debt	48.7 billion yen
≻D/E ratio	0.20
(Net D/E ratio)	0.04
≻Inventory	111.5 billion yen
Turnover	2.8 months
≻ROE	17.1%
≻ROIC	17.2%

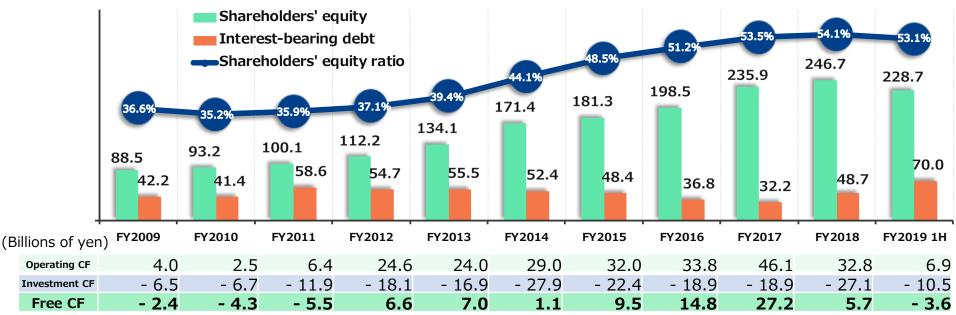
#### As of November 30, 2019

Shareholders' equity ratio	50.5%
Shareholders' equity	228.9 billion yen
Interest-bearing debt	83.1 billion yen
≻D/E ratio	0.36
(Net D/E ratio)	0.17
≻Inventory	106.5 billion yen
Turnover	3.1 months

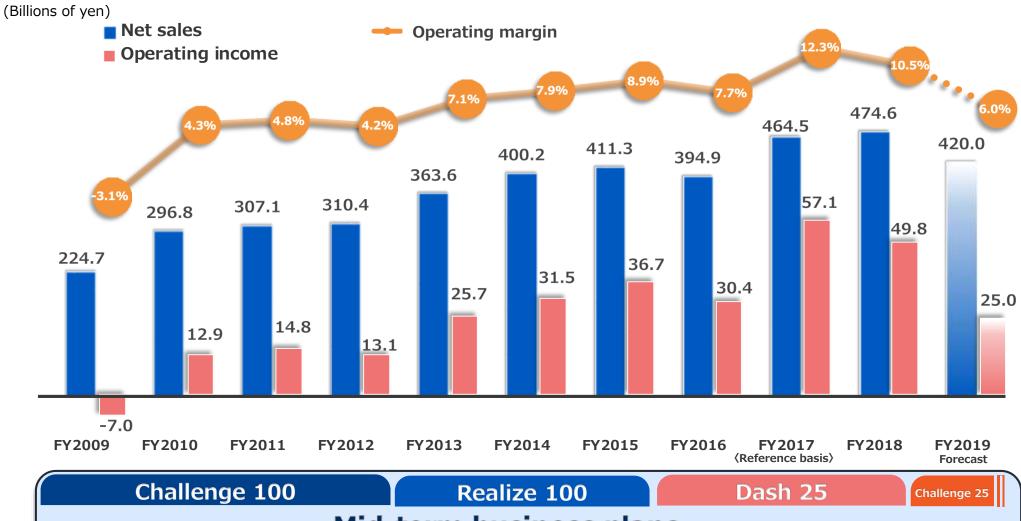
\*Interest-bearing debt includes lease obligations.

\*Inventory at the end of the period is used for calculating turnover months. \*ROE= Net income attributable to owners of parent /

Shareholders' equity (average of beginning and end of fiscal year) \*ROIC= Net income attributable to owners of parent / Invested capital



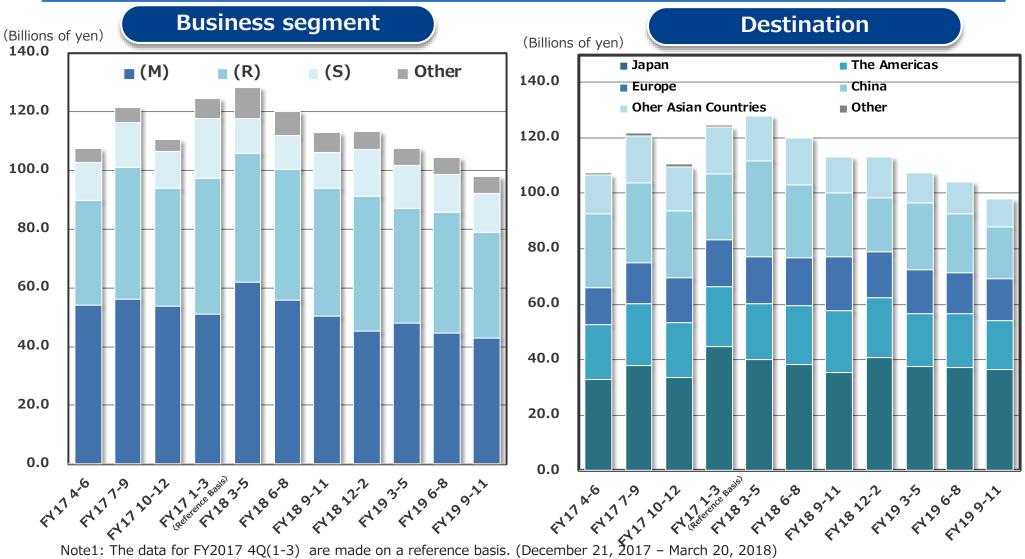
## Net Sales/Operating Income (FY2009 - FY2019 Forecasts)



### Mid-term business plans

Note: The data for FY2017 are made on a reference basis. (March 21, 2017 – March 20, 2018)

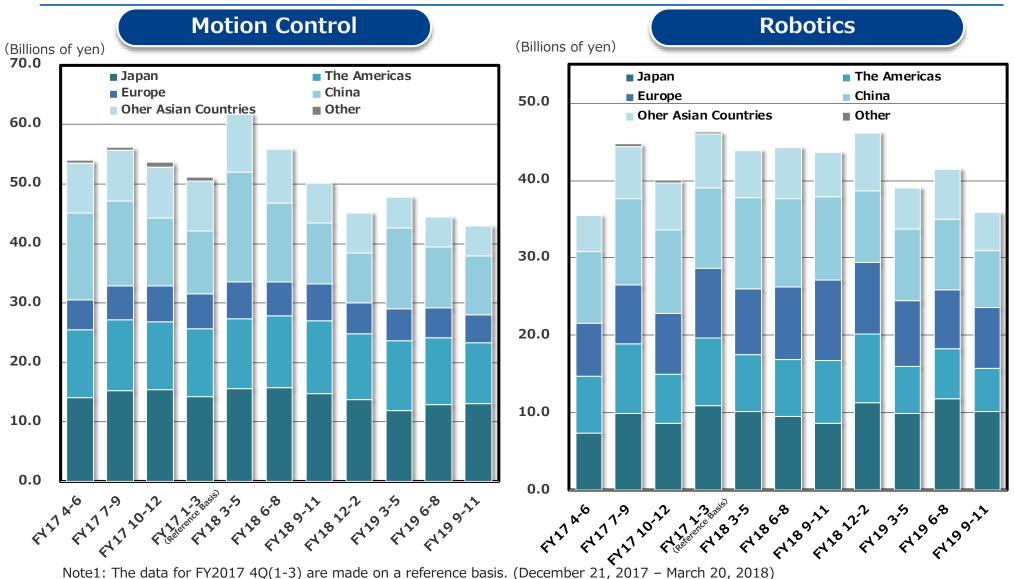
## Quarterly Sales Trends (1)



Note2: The FY2017 data are based on the previous segment classification and management classification (destination classification) before revision. Note3: (M) = Motion Control (R) = Robotics (S) = System Engineering

#### YASKAWA © 2020 YASKAWA Electric Corporation

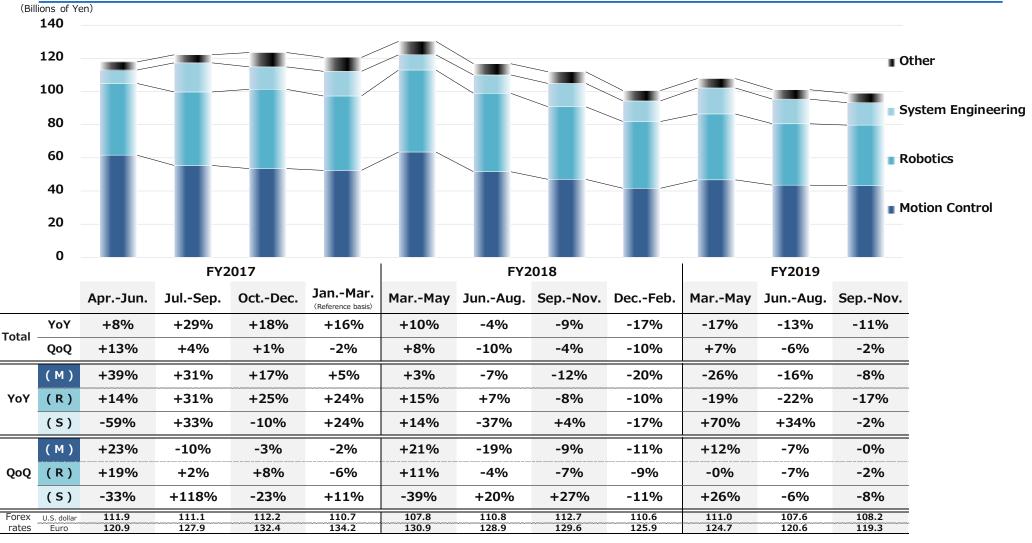
## Quarterly Sales Trends (2)



Note2: The FY2017 data are based on the previous segment classification and management classification (destination classification) before revision.

YASKAWA © 2020 YASKAWA Electric Corporation

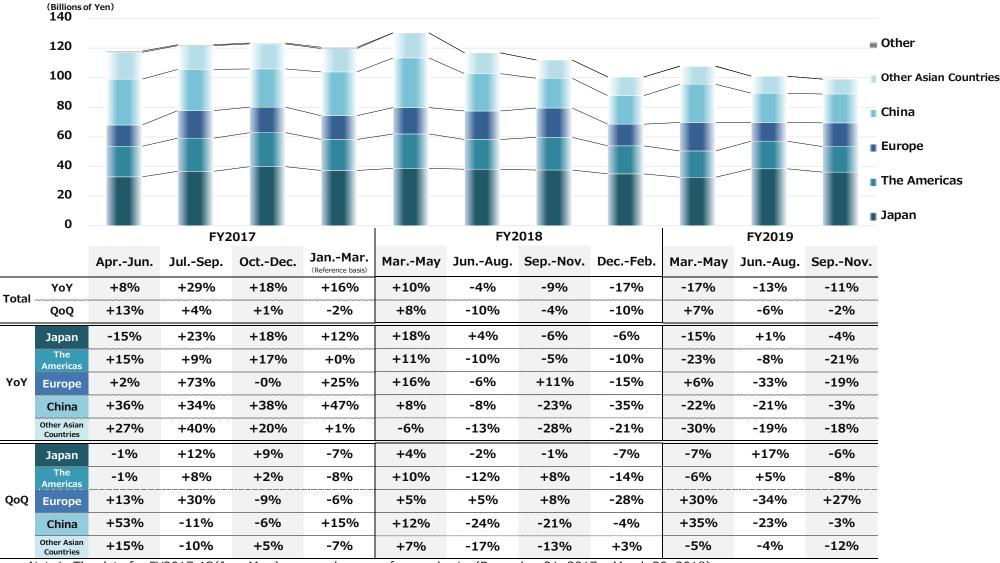
### Quarterly Order Trends by Business Segment \*Average forex rates during period used



Note1: The data for FY2017 4Q(1-3) are made on a reference basis. (December 21, 2017 – March 20, 2018)

Note2: The FY2017 data are based on the previous segment classification and management classification (destination classification) before revision.

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



Note1: The data for FY2017 4Q(Jan.-Mar.) are made on a reference basis. (December 21, 2017 – March 20, 2018)

Note2: The FY2017 data are based on the previous segment classification and management classification (destination classification) before revision.

## **Major Production Bases**





© 2020 YASKAWA Electric Corporation