Business Results for the year ended Nov. 31, 2016

Jan. 26, 2017



Outline

- Overview of FY2016 Results & Progress of Medium-Term Business Plan
- 2~9

2. FY2016 Results & FY2017 Forecast

10~21

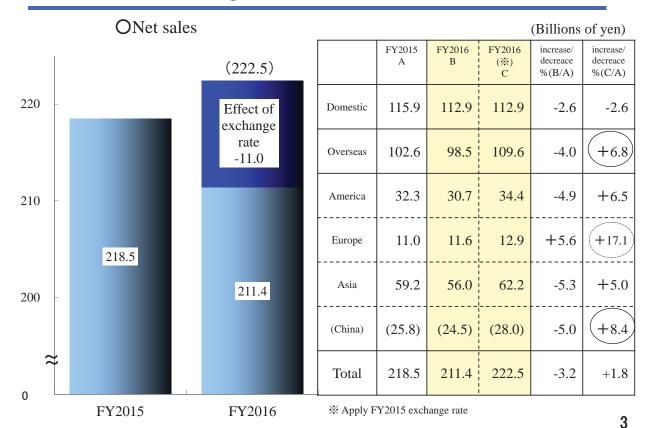
(Billions of yen)

	FY2015	FY2016		
	Full Year	Full Year	Change	
Net sales	218.5	211.4	(- 3.2%) - 7.0	
Operating income	18.9	11.1	(-41.2%) -7.8	
Ordinary income	17.3	7.7	(- 55.2%) - 9.5	
Net income	11.5	3.9	(- 66.1%) - 7.6	
USD	120 yen	109 yen	11 yen appereciation	
Euro	135 yen	121 yen	14 yen appereciation	
RMB	19.2 yen	16.5 yen	2. 7 yen appereciation	
Cash dividend	10 yen		10 yen	

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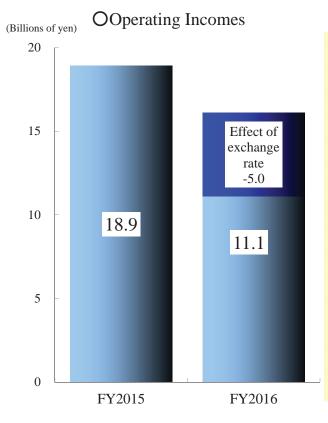
Factors for Change in Net Sales

Overview



Factors for Change in Operating Incomes

Overview



- <Factor for prior investments>
 Improving each aspect of the 4Ms
 to achieve our mid-to-long-term
 Vision
- Increase of employees +218man

Development(Robot) +50man

Sales (Robot) +90man

ENG, Production +100man

•Capital Investment +21.7 Billion yen

Robot technical center .etc 2.5

Bearing manufacturing plant 5.0

Drill & tap 3.5

Hydroulic equipment 3.0

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Outlook for FY2017

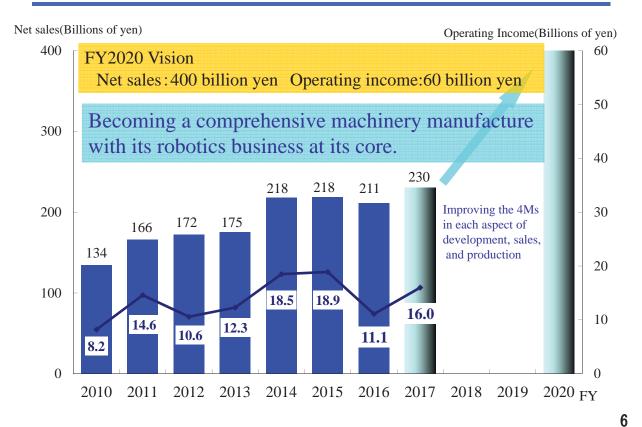
Overview

(Billions of yen)

	FY2016	FY2017	7e(estimate)		
	Full Year	Full year	Change		
Net sales	211.4	230.0	(+8.8%) +18.5		
Operating income	11.1	16.0	(+43.6%) +4.8		
Ordinary income	7.7	14.0	(+80.3%) +6.2		
Net income	3.9	9.0	(×2.3) +5.0		
USD	109 yen	110 yen	1 yen depreciation		
Euro	121 yen	120 yen	1 yen appereciation		
RMB	16.5 yen	16.5 yen	_		
Cash dividend	10 yen		10 yen		

To Achieve the Long-Term vision

Overview



Strengthening Robotics Business

Overview

OExpanding product lineup of small-sized robots

OReleasing new products and systems

OOpening technical centers around the world







EZ03



Technical center in Shaghai (opened in Dec,2016)







< Carbide Drill & Tap>

- Launching new series of products and lineup onto the market
- Offering combinations of drills and taps
- Helping customers improve productivity

<Skiving gear shaping machine>

- Providing machine tool, machining center, and robot
- Automating manufacturing of a wide variety of products in small quantities



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Improvement of Production System

Overview



<China>

- Expanding production capacity of robot,
 hydraulic equipment and car control valves
- Automating and rationalizing of production line

<Japan>

- Expanding production capacity of robot
- Strengthing rationalization and in-house production of cutting tools, hydraulic equipment and CCV

<North America>

- Expanding production capacity of carbide drills and taps in U.S.
- Starting to produce bearings at new manufuturing plant in Mexico



 Starting to produce bearings by integrated production system with in-house forging as a supply base for the world



Overview of FY2016 Results

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Financial Highlights of FY2016

FY2016

(Billions of yen)

	FY2015	FY2016		
	Full Year	Full Year	Change	
Net sales	218.5	211.4	(- 3.2%) -7.0	
Operating income	18.9	11.1	(-41.2%) -7.8	
Ordinary income	17.3	7.7	(-55.2%) -9.5	
Net income	11.5	3.9	(-66.1%) -7.6	

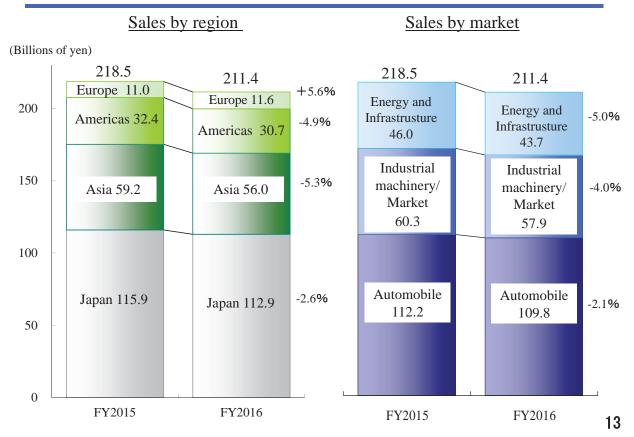
(Billions of yen)

			(Billions of yell)
	FY2015 (A)	FY2016 (B)	Change (B) – (A)
Total assets	268.1	269.4	+1.3
Stockholders' equity (stockholders' equity ratio)	(38.3%) 102.5	(36.4%) 98.0	-4.5
Interest-bearing debt (Net D/E ratio)	(X0.5) 72.8	(X0.6) 82.4	+9.6
Capital investment	23.2	21.7	-1.5
Depreciation	12.9	13.7	+0.7
Number of employees	6,557	6,775	+218
Exchane rate (USD) (Euro) (RMB)	120 yen 135 yen 19.2 yen	109 yen 121 yen 16.5 yen	11 yen appreciation 14 yen appreciation 2.7 yen depreciation

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Sales by Region and Market Segment

FY2016



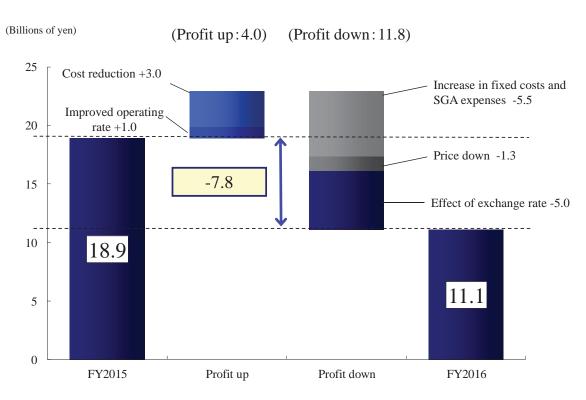
Sales by Business Segment

FY2016

						(Billion	is of yen)
		FY20	15	FY20)16	Increase/De	crease
		(A)		(B)	(%)	(B) $-(A)$
M A C	Cutting Tools		33.6	32.7		(-2.6%)	-0.8
I N E	Machine Tools		20.6		20.0	(-2.6%)	-0.5
R Y	Robots		21.2		22.4	(+5.3%)	+1.1
T O	Net Sales		75.4		75.2 (6.2%) 4.6		-0.2
O L S	Operating Income	(11.3%)	8.5	(6.2%)			-3.8
C 0	Bearings		77.9		72.8	(-6.5%)	-5.0
m p o	Hydraulic Equipment		48.5		49.4	(+1.7%)	+0.8
n e	Net Sales		126.4		122.2	(-3.3%)	-4.2
n t s	Operating Income	(6.9%)	8.7	(4.5%)	5.5	(-36.8%)	-3.2
O t h	Net Sales		16.5		13.9	(-15.8%)	-2.6
e r s	Operating Income	(10.3%)	1.7	(6.7%)	0.9	(-44.9%)	-0.7
	Net Sales		218.5		211.4	(-3.2%)	-7.0
Tot	tal Operating Income	(8.7%)	18.9	(5.3%)	11.1	(-41.2%)	-7.8

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Factors for Change in Operating Income FY2016



Outlook for FY2017

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Financial Highlights of FY2017

FY2017e

(Billions of yen)

	FY2016 (A)	FY2017e (B)	Change (%) (B) - (A)	
Net sales	211.4	230.0	(+8.8%) +18.5	
Operating income	(5.3%) 11.1	(7.0%) 16.0	(+43.6%) +4.8	
Ordinary income	(3.7%) 7.7	(6.1%) 14.0	(+80.3%) +6.2	
Net income	3.9	9.0	(X2.3) +5.0	

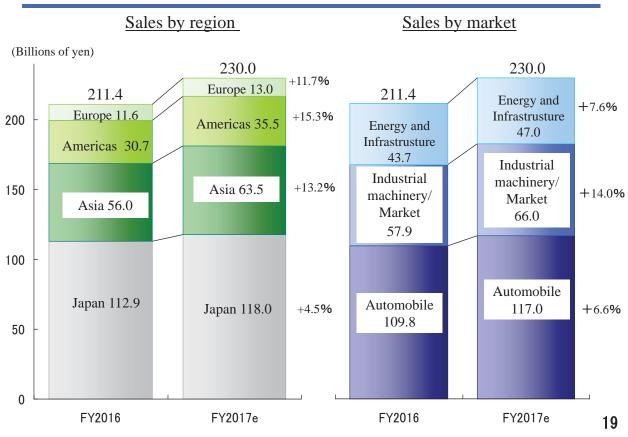
(Billions of yen)

			(Billions of yell)
	FY2016(A)	FY2017e(B)	Change (B)—(A)
Total assets	269.4	276.0	+6.5
Stockholders' equity (stockholders' equity ratio)	(36.4%) 98.0	(37.9%) 104.6	+6.5
Interest-bearing debt (Net D/E ratio)	(X0.6) 82.4	(X0.6) 82.5	+0.0
Capital investment	21.7	21.5	-0.2
Depreciation	13.7	14.5	+0.7
Number of employees	6,775	7,100	+325
Exchane rate (USD) (Euro) (RMB)	109yen 121yen 16.5yen	110yen 120yen 16.5yen	1 yen depreciation 1 yen appreciation -

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Sales by Region and Market Segment

FY2017e

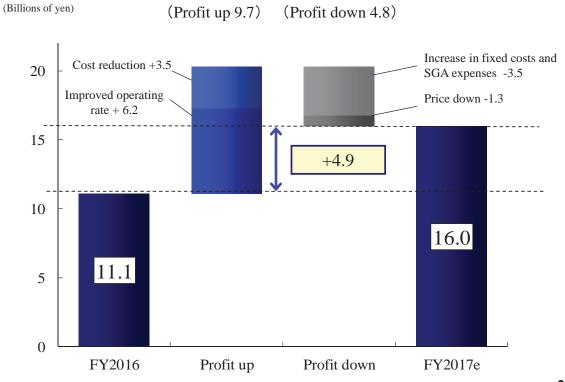


Sales by Business Segment

FY2017e

		(Billions of					s of yen)	
		FY20	16	FY201	17e	Increase/Decrease		
		(A)		(B)		(%)	(B)—(A)	
M A C	Cutting Tools	32.7			35.0	(+6.8%)	+2.2	
I N E	Machine Tools		20.0		18.5	(-7.8%)	-1.5	
R Y	Robots		22.4		30.0	(+33.9%)	+7.5	
T O	Net Sales		75.2		83.5	(+11.0%)	+8.2	
O L S	Operating Income	(6.2%)	4.6	(8.4%)	7.0	(+51.3%)	+2,3	
C o	Bearings		72.8		79.0	(+8.4%)	+6.1	
m p o	Hydraulic Equipment		49.4		53.5	(+8.3%)	+4.0	
n e	Net Sales		122.2		132.5	(+8.4%)	+10.2	
n t s	Operating Income	(4.5%)	5.5	(6.0%)	8.0	(+44.5%)	+2.4	
O t h	Net Sales		13.9		14.0	(+0.4%)	+0.0	
h e r s	Operating Income	(6.7%)	0.9	(7.1%)	1.0	(+6.6%)	+0.0	
	Net Sales		211.4		230.0	(+8.8%)	+18.5	
Tot	tal Operating Income	(5.3%)	11.1	(7.0%)	(±43.6%) +4		+4.8	

Factors for Change in Operating Income FY2017e





These materials describe our future earnings forecasts and business plans, and are based on the assumption of an economic environment and business policies that remain fixed as they are now. Therefore, please note that actual earnings are subject to numerous factors, including market fluctuations and currency fluctuations, which may result in a different earnings forecast.