

【 Cautionary Note 】



The performance forecasts and other forward-looking statements included in this report are based on the information that was available to The Japan Steel Works, LTD. (the "Company") and certain assumptions deemed to be reasonable at the time this report was prepared, and the actual results may differ significantly from these forecasts due to a variety of reasons.

Starting from the fiscal year ending March 31, 2019, the Company modified the disclosure classifications for the results of the main products and re-totaled the results of the previous year based on these modified classifications, unless otherwise stated.

Accordingly, the totaled figures differ from those in the previous presentation materials.

Unless otherwise noted, "previous forecast values" are those released on May 18, 2018.

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Reference $(36\sim39)$:

Changes in Disclosure Categories by Main Product Trend of Net sales, Operating income and Profit Trends of assets situation and cash flow Corporate Code of Behavior of JSW (revised on April 1,2018)

Structure and Products of Business Divisions



Business Seaments

Steel and Energy Products Business

Industrial Machinery Products Business

Other **Businesses**

Product Business Divisions

Steel Business Division

Machinery Business Division/Injection Molding Machinery Business Division/FPD System Business Division/Ordnance Business Headquarters

Production Bases

Muroran Plant



Hiroshima Plant



Yokohama Plant



OElectric and nuclear power

· Parts for reactors (shell,head etc.)

[Cast and Forged Steel Products]

- Parts for steam generators
- Rotor shafts
 Casings
 Other parts for power generation





Products

○Other

- · Pressure vessels for oil refineries · Die Steel
- · Steel rolls for steel manufacturing
- · Various services · Other types of steel forgings

[Clad Steel Products]

OClad steel plates and pipes





[Plastic Machinery]

- OPlastic production and processing machinery
- Pelletizers Film and sheet equipment
- Compounding twin-screw extruders (TEX · TEK) · Various services



[Industrial Machinery]

OFPD system

- Laser annealing(ELA) systems
- Various services



OMolding machines

- Plastic injection molding machines
- · Blow molding machines
- Magnesium alloy injection molding machines
- Various services



○Other

- · Defense equipment
- Compressors
- Railway products
- Other industrial machinery

IT

OWind turbines

[New Business]

Aircraft

Crystal

 Thin film Advanced materials

Hydrogen

Electric power and steel

Oil and natural gas Natural energy

Petro -chemicals **Industrial** machinery

Automobiles

Defense

New Business

Markets

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BUSINESS RESULTS AND PROJECTIONS

Business Results for the FY2018 first half and Projections for FY2018



Consolidated Actual Results for FY2018 First Half



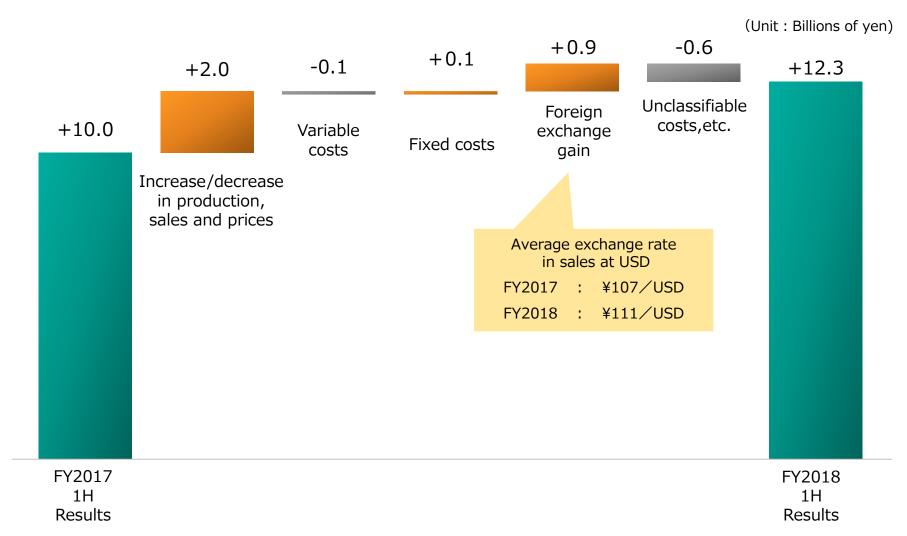
Order received was better than year on year, and profit increased due to increased sales (Unit: Billions of yen)

			FY2018 1H			VS
	FY2017 1H (A)	Previous Forecast (B)	After 1Q, Revised forecast (C)	Results (D)	vs FY2017 (D) - (A)	previous forecast (D) - (B)
Orders received	114.6	110.0	_	123.7	9.1	13.7
Net sales	104.4	110.0	113.0	109.6	5.2	-0.4
Operating income (ratio)	10.0 9.6%	10.0 9.1%	11.0 9.7%	12.3 11.2%	2.3 1.6%	2.3 2.1%
Ordinary income	10.3	10.0	11.0	13.6	3.3	3.6
Profit(Loss)	7.5	8.0	10.0	11.9	4.4	3.9
Profit(Loss) Per share(yen)	103.32	108.86	136.07	162.52	59.2	53.66
Dividends per share(yen)	17.5	25		25	7.5	0

Increase/Decrease in Operating Incomer for FY2018 First Half



Operating income increased 23% year on year due to increased production and sales and foreign exchange gain



Orders Received, Net Sales and Operating Income by Segment



for FY2018 First Half

Industrial Machinery Products Business has strong orders received, and Steel and Energy Products Business gains in sales and income.

Industrial Machinery Products Business

(Unit: Billions of yen)

		FY2	018		Full year projection progress (C) ÷ (B)	
	FY2017 1H Results (A)	Full year Previous forecast (B)	1H Results (C)	vs FY2017 (C) - (A)		
Orders received	88.2	180.0	103.7	15.5	58%	
Net sales	84.3	170.0	84.9	0.6	50%	
Operating income (ratio)	11.0 13.0%	23.5 13.8%	11.5 13.5%	0.5 0.5%	49%	

Steel and Energy Products Business

		FY2	018		Full year	
	FY2017 1H Results (D)	Full year Previous forecast (E)	1H results (F)	vs FY2017 (F) - (D)	projection progress (F) ÷ (E)	
Orders received	22.7	45.0	16.5	-6.2	37%	
Net sales	17.5	45.0	22.1	4.6	49%	
Operating income (ratio)	-0.3 -1.7%	0.5 1.1%	1.8 8.1%	2.1 9.8%	360%	

Industrial Machinery Products Business for FY2018 First Half



Orders for plastic production and processing machinery and molding machines continued to be strong. Orders for other equipment increased due to an order received ahead of schedule.

(Unit: Billions of yen)

Net sales · Operating income

Orders received

	FY2017 1H Results (A)	FY2 Full year Previous forecast (B)	018 1H Results (C)	vs FY2017 (C) - (A)	Full year projection progress (C) ÷ (B)	FY2017 1H Results (D)	FY2 Full year Previous forecast (E)	1H Results (F)	vs FY2017 (F) - (D)	Full year projection progress (F) ÷ (E)
Plastic production and processing machinery	26.1	61.0	24.4	-1.7	40%	28.6	67.0	33.8	5.2	50%
Molding Machines (consolidated)	30.8	65.0	34.5	3.7	53%	34.3	67.0	40.3	6.0	60%
FPD systems (consolidated)	7.6	15.0	8.5	0.9	57%	9.5	17.0	6.1	-3.4	36%
Other	15.1	18.0	11.9	-3.2	66%	9.9	18.0	20.1	10.2	112%
Consolidated group companies, etc.	4.7	11.0	5.6	0.9	51%	5.9	11.0	3.4	-2.5	31%
Total	84.3	170.0	84.9	0.6	50%	88.2	180.0	103.7	15.5	58%
Operating income	11.0	23.5	11.5	0.5	49%					

Steel and Energy Products Business for FY2018 First Half



Net sales increased because the posting of sales for some clad steel pipes was moved up from the second half. Overall orders declined.

(Unit: Billions of yen)

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Orders received

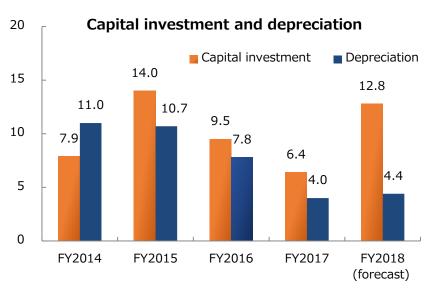
	FY2017 1H Results (A)	FY2 Full year Previous forecast (B)	018 1H Results (C)	vs FY2017 (C) - (A)	Full year projection progress (C) ÷ (B)	FY2017 1H Results (D)	FY2 Full year Previous forecast (E)	018 1H Results (F)	vs FY2017 (F) - (D)	Full year projection progress (F) ÷ (E)
Electric and nuclear power	8.6	16.0	6.6	-2.0	41%	6.5	15.0	2.8	-3.7	19%
Clad steel plates and pipes	4.1	13.0	9.0	4.9	69%	9.7	15.0	7.3	-2.4	49%
Other	2.2	10.0	3.8	1.6	38%	3.9	9.0	3.7	-0.2	41%
Consolidated group companies,etc.	2.6	6.0	2.7	0.1	45%	2.6	6.0	2.7	0.1	45%
Total	17.5	45.0	22.1	4.6	49%	22.7	45.0	16.5	-6.2	37%
Operating income(loss)	-0.3	0.5	1.8	2.1	360%					

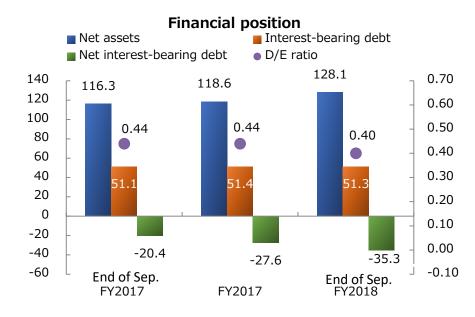
Capital Investment/Depreciation, Cash Flows, Financial Position



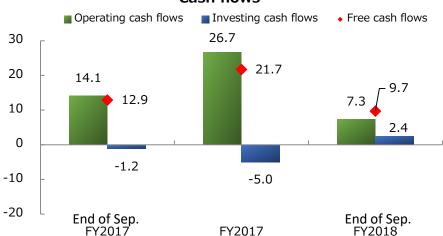
and R&D costs



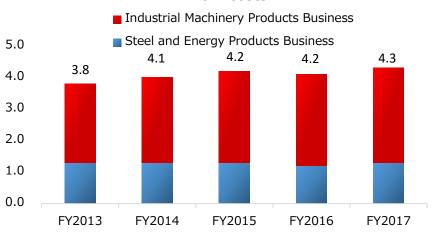




Cash flows







Full Year Projection for FY2018



Order received, net sales and operating income are forecast to remain at the high levels attained in the preceding year

(Unit: Billions of yen)

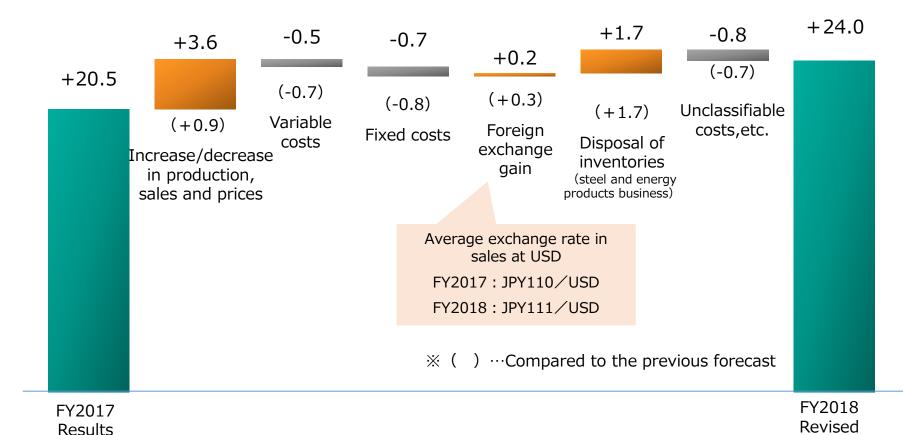
	FY2017	FY20	ecast		
	Results (A)	1H	2H	Full year (B)	vs FY2017 (B) - (A)
Orders received	235.0	123.7	106.3	230.0	-5.0
Net sales	211.7	109.6	117.4	227.0	15.3
Operating income (ratio)	20.5 9.7%	12.3 11.2%	11.7 10.0%	24.0 10.6%	3.5 0.9%
Ordinary income	22.1	13.6	11.4	25.0	2.9
Profit(Loss)	10.7	11.9	8.1	20.0	9.3
Profit(Loss) per share(yen)	145.77	162.52	109.63	272.15	126.38
Dividends per share(yen)	37.5	25	25	50	12.5

Forecast for Increase/Decrease in Operating Income for FY2018



Operating income is expected to increase by 17% year on year due to increased production and sales

(Unit : Billions of yen)



Forecast

Projected Orders Received, Net Sales and Operating Income by



Segment for FY2018

(Unit: Billions of yen)

The Industrial Machinery Products Business will continue to achieve high performance, driving profit and the Steel and Energy Products Business will attain profitability

Industrial Machinery Products Business

Orders
received
Net sales
Operating
income
(ratio)

FY2017 Results (A)	FY2018 Revised forecast (B)	vs FY2017 (B) - (A)		
185.5	180.0	-5.5		
168.9	177.0	8.1		
23.7 14.0%	24.2 13.7%	0.5 -0.3%		

Steel and Energy Products Business

Orders
received
Net sales
Operating
income
(ratio)

FY2017 Results (A)	FY2018 Revised forecast (B)	vs FY2017 (B) - (A)
43.0	45.0	2.0
36.3	45.0	8.7
-0.9 -2.5%	2.2 4.9%	3.1 7.4%

Forecast for Industrial Machinery Products Business for FY2018



Sales of plastic production and processing machinery will compensate for the decline in sales of defense equipment.

(Unit: Billions of yen)

	Net sale	es,Operating	g income			Orders reco	eived	
	FY2017 Results (A)	FY2018 Revised forecast (B)	vs FY2017 (B) - (A)		FY2017 Results (C)	FY2018 Revised forecast (D)	vs FY? (D) -	
Plastic production and processing machinery	50.2	63.0	12.8	3	63.8	63.0		-0.8
Molding Machines (consolidated)	64.5	69.0	4.5	5	72.4	71.0		-1.4
FPD system (consolidated)	15.1	15.0	-0.1	-	14.2	14.0		-0.2
Other	28.4	19.0	-9.4	+	22.9	21.0		-1.9
Consolidated group companies, etc.	10.7	11.0	0.3	3	12.2	11.0		-1.2
Total	168.9	177.0	8.1	-	185.5	180.0		-5.5
Operating income	23.7	24.2	0.5	5				

Forecast for Steel and Energy Products Business for FY2018



Net sales ,operating income and orders received are expected to increase year on year due to increased sales in clad steel pipes.

(Unit: Billions of yen)

Net sales, Operating income

Orders received

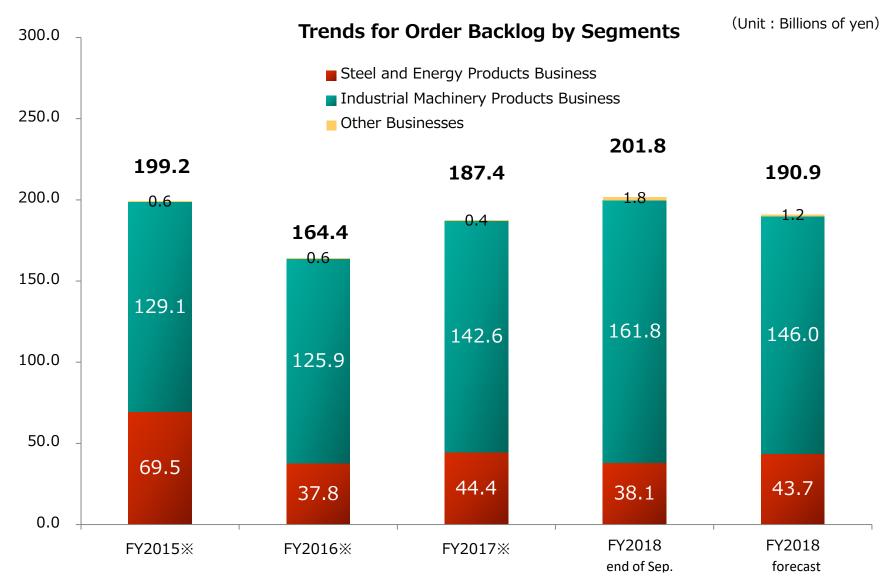
	FY2017 Results (A)	FY2018 Revised forecast (B)	vs FY2017 (B) - (A)
Electric and nuclear power	17.2	14.0	-3.2
Clad steel plates and pipes	7.0	15.0	8.0
Other	6.2	10.0	3.8
Consolidated group companies, etc.	5.9	6.0	0.1
Total	36.3	45.0	8.7
Operating income	-0.9	2.2	3.1

FY2017 Results (C)	FY2018 Forecast※ (D)	vs FY2017 (D) - (C)
13.0	15.0	2.0
13.9	15.0	1.1
10.3	9.0	-1.3
5.8	6.0	0.2
43.0	45.0	2.0

Forecast of orders received isn't revised from the beginning of the fiscal year

FY2018: Trend and Forecast for Order Backlog





Except FY2018, the above figures were based on before modified classifications.



MEDIUM-TERM MANAGEMENT PLAN "JGP2020"

Progress report



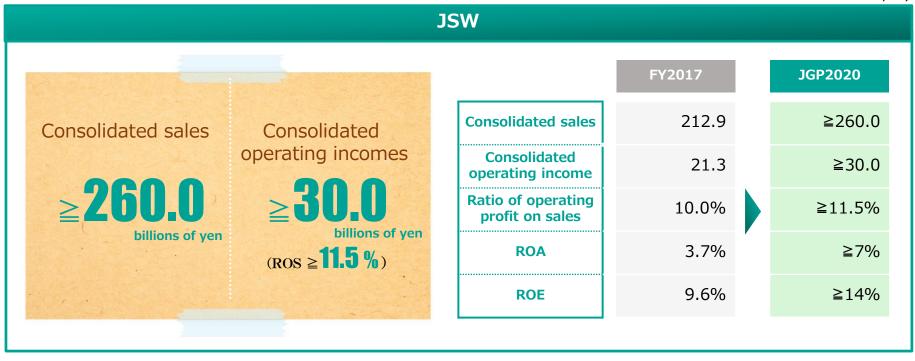
Corporate Vision for FY2030 and Basic Concept Behind JGP2020



Building foundations for new growth **FY2030 JGP2020** Building foundations to ensure the unfailing growth Toward a stable business of the JSW Group for the next ten years portfolio New business, M&A **Industrial Machinery Products Business** Steel and Energy Products Business ~JGP2017 **JGP2020** [Aggressive management] Expand business scale Sowing and nurturing seeds Expand existing business for expanding business domains Foster new business Promotion of restructuring Attaining stable profitability with the current of production system Firmly maintaining existing business scale Discovering and developing opportunities for businesses growth



(Unit: Billions of yen)



Industrial Machinery Products Business

	FY2017		JGP2020
Consolidated sales	170.2		≧205.0
Operating income	23.8		≧28.0
Ratio of operating profit on sales	13.9%	,	≧13.6%

Steel and Energy Products Business

	FY2017	JGP2020	
Consolidated sales	40.8	≧45.0	
Operating income	-1.5	≧3.0	
Ratio of operating profit on sales	-3.7%	≧6.6%	



JGP2020 \sim Lay foundations looking ahead to 2030 \sim

- "Growth" in Industrial Machinery Products Business,"Rebirth in Steel and Energy Products Business
- (1) Optimize management resources and strengthen alliances

Rationalization through reallocation of management resources

⇒ Actively invest in Industrial Machinery Products Business and restructure cost structure in Steel and Energy Products Business according to sales

Scale up business by promoting alliances and M&A

- ⇒ Move away from principle of self-sufficiency
- (2) Strengthen after-sales services (stock-based business)

Strengthen foundations of service structure focusing on Industrial Machinery Products Business

- ⇒ Generate stable profits and increase customer satisfaction Build strong customer base through service business
- ⇒ Lay foundations for next businesses
- (3) Increase exploration and fostering of new businesses

Explore new businesses with an eye on megatrends

Foster and develop business in four areas(aircraft components, hydrogen, crystal device and thin films)

and an additional segment

Optimization of Management Resources and Strengthening of Alliances



1) Steel and Energy Products Business

Topics

Reconstruction of Steel and Energy Products Business

Key measures

 Commencement of a study on the establishment of a new company and the integration of affiliated companies

[Purpose of the study]

- Reorganization to create a structure that matches the business scale and establishment of a consistently profitable operation structure through the acceleration of the profitability improvement reform.
 - \Rightarrow The study is underway for establishment in October 2019.
- Collaboration in manufacturing field with Tsukishima Kikai Co.,Ltd
- Collaboration in the manufacture of steel infrastructure equipment. The project is underway according to the plan for the commencement of operation in April 2019.
- Strengthening of the competitiveness of clad steel plates and pipes
- Strengthening of cost competitiveness through the rationalization and consolidation of facilities
 - \Rightarrow Improve profitability by improving production costs and enhancing productivity.

Strengthen revenue bases by reestablishing the business portfolio



Rebirth in Steel and Energy Products Business

Optimization of Management Resources and Strengthening of Alliances 1 Steel and Energy Products Business



Topics

- Strengthen competitiveness of clad steel plates and clad steel pipes
 - Investment plan for cost improvements -

<Future market trends and outlook>

- ▶Clad steel plates/main applications: 60% for parts for varieties of types of oil/gas related equipment
- ▶Clad steel pipes/main applications: Corrosion-resistant pipes for transportation from oil/gas fields
- Demand for energies (LNG) expanded due to a population increase
- ⇒ The production capacity of LNG will not cover demand after 2020. There will be progress in development mainly in Asia and the Middle East.

Capital investment will be gradually increased during the period from 2018 to 2021.

(Mainly for a rolling shop)

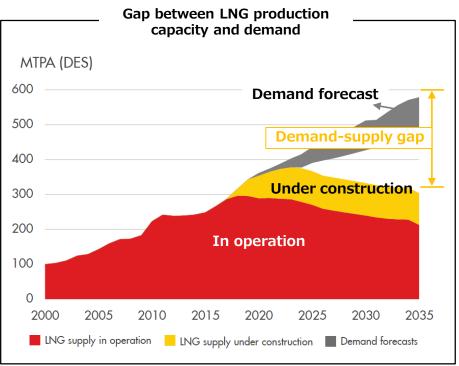


Improvement plan

Productivity improvement of 30%

Production cost reductions of more than 20%

→ Creation of an operation structure resistant to load variations

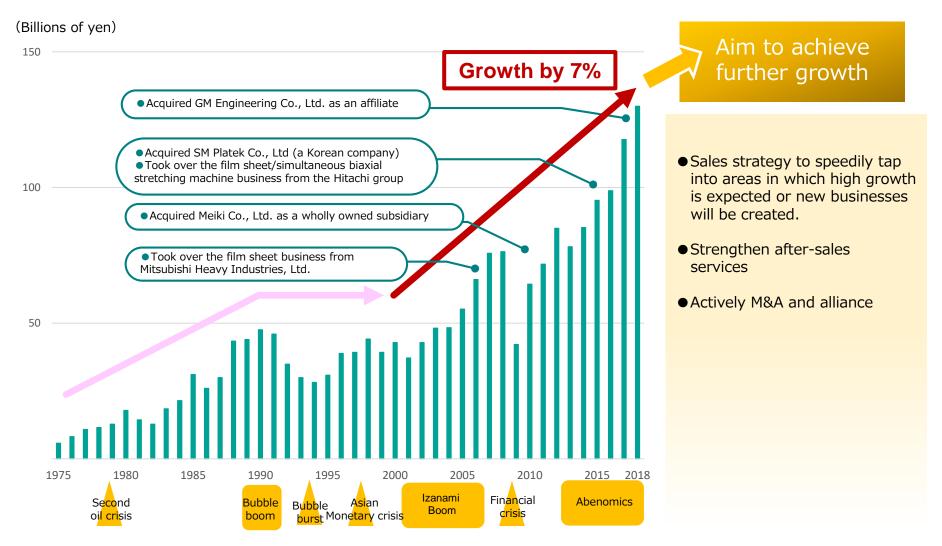


Source: Shell interpretation of IHS Markit, Wood Mackenzie, FGE, BNEF and Poten & Partners O4 2017 data

Expansion of Business Scale of Plastic Processing Machines

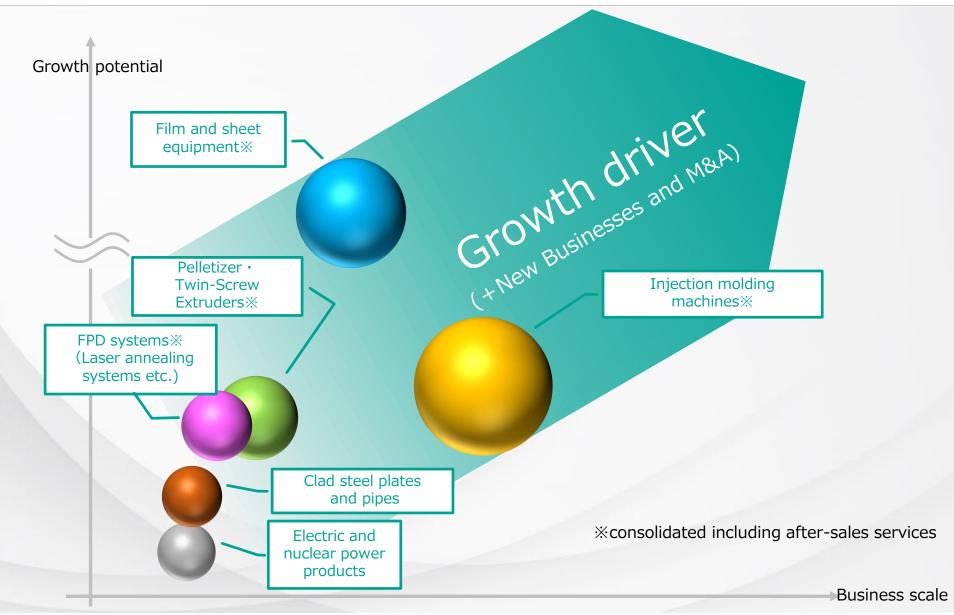


- The global plastics market is forecast to grow 2% to 3% overall every year, like GDP.
- The Company's plastics-related businesses grew threefold from the level in 2000.



Business scale and growth potential by each products





Optimization of Management Resources and Strengthening of Alliances



② Enhancement of capacity of Hiroshima Plant

Topics

 Commencement of operation at No. 6 & No. 7 assembling plants, an injection machine service parts center and a complex welfare building (construction completed in October 2018)

Establishment of a structure to increase production with an eye on strong demand for industrial equipment

- Production of varieties of types of industrial equipment
- Expansion of the injection molding machine service business

Production capacity in Hiroshima plant

Improvement of over 15%

Operation started from November on an as-needed basis.





Optimization of Management Resources and Strengthening of Alliances



3 Film and Sheet equipment

Topics

Demand trends and outlook for separator films for lithium-ion batteries (China, Others)

The market for separators is expected to expand by more than 30% every year, despite a slowdown in China.



- ◆Markets other than China (Japan, Korea and Europe) 🔆
- * Large capital investments will be planned and made in anticipation of the full-scale popularization of EV after 2020.

◆Chinese market

- * Separator films continued to be oversupplied because production facilities became operative at the same time in 2016 and 2017.
- *Industry consolidation will continue for the time being.

(Rationalization of the number of manufacturers,
which is too high)

which is too high)

*The market is expected to recover around 2019 or 2020.

With an eye on an increase in demand, JSW will

- expand facilities according to the plan to address an increase in production, and
- create more competitive products by stepping up efforts in the development of new technologies.

Optimize Management Resources and Strengthen Alliances



4 Injection Molding Machines

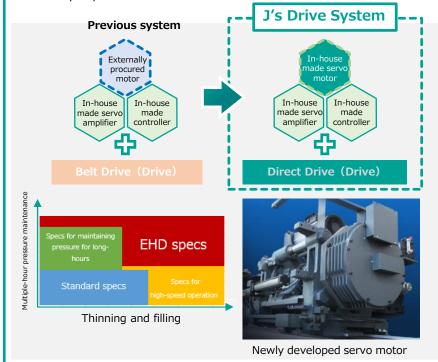
Solution products based on a mass-customization strategy

Topics

- Commencement of sales of machines equipped with J's Drive System™
- Magnesium alloy injection machines: Development of large-sized equipment with a clamp capacity of 1,300 tons

J's Drive System[™] Succeeded in the in-house development of a highperformance servo motor

High-speed and high-load injection, a process that had basically been carried out separately, was made possible with one machine (based on the EHD specs). Through this technology, JSW succeeded in developing an injection molding machine that can be used for molding a wide variety of products.



Magnesium Alloy Injection Molding Machine

Given the tendency of making vehicles lighter, applications and demand are expected to expand, replacing metal parts.

Currently 280 to 850 tons →
Development of a machine with 1,300-ton clamp capacity.

(After January 2019)

- ➤ Addressing requirements for large-sized components such as different types of metal parts for instrument panels.
- ➤ Considering the development of machines with a clamp capacity of 2,000 to 3,000 tons in the future.
- ⇒ Entering the automobile industry in earnest



Magnesium Alloy Injection Molding Machine with a 850-ton clamp capacity <JLM850MG2e>

Strengthen After-sales Services – strengthen customer service using IoT and AI –



[NFT100]

Production management and analysis Management and monitoring of operations



[Production Manager]

Management of information on molding processes
Automated preparation of management reports

[Molding conditions support software]

Calculation of molding processes and initial molding conditions and guidance on countermeasures for defective molding

<SYSCOM5000i preinstalled>



[AI Molding Navigator]

Prevention of defective molding

JSW IoT Solution

 \sim Example: Conversion of a molding plant into a smart factory \sim



vise: JSW Worldwide IoT Solutions of Enhancement

Apply to different types of industrial machines

[Remote Maintenance]

Reduction of downtime Reduction of maintenance costs

(Predictive maintenance of ball screws)

Maintenance timing is informed based on the number of shots and load levels.

SYSCOM5000i preinstalled



[Predictive Maintenance]

The life of ball screws is predicted Reduction of downtime

[Team Network]

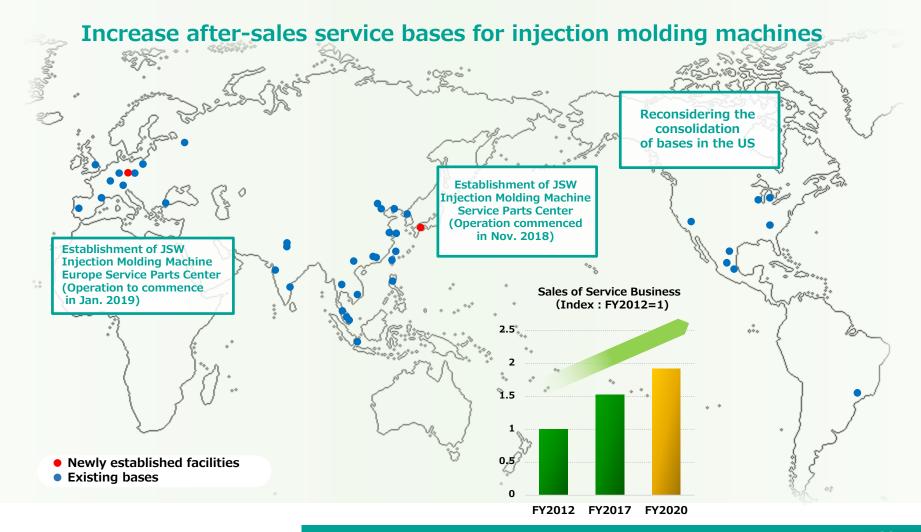
Labor-saving through collaboration of molding machines and peripheral devices

Strengthen After-sales Services — Enhancement of the service network —





- Strengthen foundations of service structure focusing on Industrial Machinery Products Business
 - Generate stable profit and increase customer satisfaction
- Build strong customer base through service business \Rightarrow Lay foundations for next businesses



Search for and Development of New Businesses



Activities of the New Business Promotion Headquarters

Search for new business in major trends \Rightarrow

Foster and develop business in four segments(Aircraft, Hydrogen, Crystal, Thin films) and additional segment

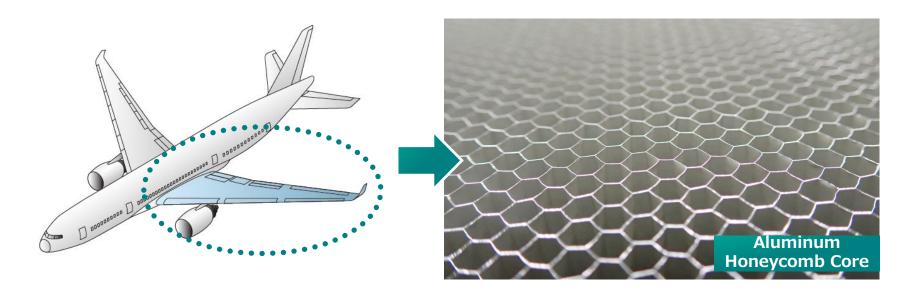
► Advanced Materials Business Promotion Office (Since Oct.1,2018)

Drive efforts to develop businesses for functional materials such as CFRP and powder alloy, manufacturing equipment of functional materials and systems.

► Aircraft Business Promotion Office

Acquired JIS Q 9100 : 2016, a certificate of approval for quality management systems for aviation, space and defense (acquisition date: Oct.12, 2018).

Scope: Honeycomb core processing of aircrafts' moving surfaces



Search for and Development of New Businesses



- Activities of the New Business Promotion Headquarters -

► Hydrogen Business Promotion Office

OFor Hydrogen Station : Steel Pressure Vessel for Hydrogen Storage



Steel Pressure Vessel for Hydrogen Storage

▶JSW's features:

- Steel pressure vessel featuring the longest life and a low cost
- Domestic market share of 75% in 2018



Development of a steel pressure vessel featuring a lower cost and life is underway.

Sales will start within FY2018.



Pressure vessel under development

FCVと水素ステーションの普及に向けたシナリオ



Source: A scenario for the penetration of FCV and hydrogen stations Fuel Cell Commercialization Conference of Japan (Mar. 11, 2016)

Expecting to expand businesses on the back of the popularization of fuel cell vehicles (FCV).



Topics

Plastic Recycling - Past results and initiatives for the future -

2015 2018 2025

Recycle

Biodegradable plastic

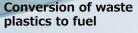
PET bottle recycling Used paper recycling



Compounding twinscrew extruders



Injection Molding Machine



Film and Sheet Machine



injection molding machine

Emission Reduction

Micro cellular foam extruder, Molding machine, Bio plastic machine Manufacturing facilities of



Challenges for the future ~Product development for low environmental loads~

- Development of technologies for replacements for plastics
- Development of technologies to improve product properties with nanocomposite materials



Magnesium Alloy Injection Molding Machine



答えはいつも先にある。 後ろを振り返るよりも、 一歩でも前に突き進む。

ものづくりの未来を変える。



日本製鋼所













REFERENCE



FY2018: Changes in Disclosure Categories by Main Product



Industrial Machinery Products Business

Former disclosure	New disclosure		
categories(~FY2017)	categories(FY2018~)		
Plastic production and	Plastic production and		
processing machinery	processing machinery		
Molding	Molding		
machines(consolidated)	machines(consolidated)		
Other	FPD equipment		
Gener	(consolidaated) ※		
Consolidated group	Othor		
companies ,etc.	Other		
	Consolidated group		
	companies,etc.		

%FPD (Flat Panel Display) equipment(consolidated) : Laser annealing systems+Laser applications+Related services

Products, affiliated companies	Disclosure categories former⇒new
Laser annealing system (including applications)	Other ⇒FPD equipment(consolidated)
JSW IT Service Co.	Affiliated companies⇒FPD equipment (consolidated)
1 affiliated company	Consolidated group companies ⇒Other Business

Steel and Energy Products Business

Former disclosure categories(~FY2017)	New disclosure categories(FY2018∼)		
Electric and nuclear power	Electric and nuclear power		
Pressure vessels for oil refineries	Clad steel plates and pipes		
Clad steel plates and pipes	Other		
Wind turbines	Consolidated group		
Willa tarbilles	companies,etc.		
Other			
Consolidated group			
companies ,etc.			

Products, related companies	Disclosure categories
Froducts, related companies	former⇒new
Pressure vessels for oil	Pressure vessels for oil
refineries	refineries⇒Other
Wind turbines	Wind turbines⇒Other Business
3 affiliated companies	Consolidated group companies ⇒Other Business

Other Business

Former disclosure categories(~FY2017)	New disclosure categories(FY2018∼)
Real estate and Other business	Other Business
	(Real estate will be
	non-operating)

Trend of Net sales, Operating Income and Profit

		FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018 (forecast)
	Net Sales	220.6	188.7	194.6	223.3	212.4	212.9	227.0
I	ndustrial Machinery Products Business	130.1	118.3	126.3	144.3	159.3	170.2	177.0
	Plastic production and processing machinery	37.0	28.3	32.5	36.4	36.1	50.2	63.0
	Molding machines(consolidated)	40.9	47.0	53.6	56.4	57.6	64.5	69.0
	FPD equipment (consolidated)	-	-	-	-	-	-	15.0
	Other	37.7	31.8	25.0	32.6	46.8	37.0	19.0
	Consolidated group companies,etc.	14.5	11.2	15.2	18.9	18.8	18.5	11.0
Stee	el and Energy Products Business	88.2	67.6	66.2	74.8	51.2	40.8	45.0
	Electric and nuclear power	37.4	22.6	27.4	19.2	19.3	17.2	14.0
	Pressure vessels for oil refineries	4.3	4.1	4.2	1.4	1.7	1.0	-
	Clad steel plates and pipes	29.3	26.7	16.2	39.3	13.5	7.0	15.0
	Wind turbines	1.1	1.7	5.7	1.2	3.9	1.6	-
	Other	12.3	7.2	7.0	6.9	5.3	5.5	10.0
	Consolidated group companies,etc.	3.8	5.3	5.7	6.8	7.5	8.5	6.0
	Other Businesses	2.2	2.7	2.0	4.0	1.8	1.7	5.0
	Operating Income	16.6	8.8	7.5	14.4	12.3	21.3	24.0
I	ndustrial Machinery Products Business	16.7	12.1	11.3	12.4	15.1	23.8	24.2
Stee	el and Energy Products Business	-0.5	-3.6	-3.9	0.7	-2.8	-1.5	2.2
	Other Businesses	0.8	1.1	0.9	2.0	0.9	0.8	0.2
	Profit	8.2	5.5	-5.3	-16.6	-4.9	10.7	20.0

Trends of Assets Situation and Cash Flow *Before FY2018,"Other Businesses" includes real estate SW



		FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018 (forecast)
	Total assets	303.9	293.1	319.6	293.1	275.3	297.4	307.5
	Industrial Machinery Products Business	96.8	99.3	108.4	124.3	123.7	128.1	-
	Steel and Energy Products Business	120.2	111.5	111.4	60.2	37.5	40.3	-
	Other Businesses	13.3	12,9	13.0	12.0	11.8	11.7	-
	Net assets	134.3	139.2	138.2	111.3	107.5	118.6	128.1
	Net assets per share(JPY)	359.29	372.83	368.81	299.41	1,446.44	1,592.47	1,726.15
	Equity ratio(%)	43.83	47.09	42.72	37.53	38.6	39.3	41.3
	ROE (%)	6.35	4.07	-3.88	-13.46	△4.6	9.6	-
	Operating cash flow	23.7	11.5	11.5	19.7	12.0	26.7	7.3
	Investing cash flow	-5.8	-5.7	-2.6	-12.1	-13.5	-5.0	2.4
	Financial cash flow	-15.2	-15.0	-2.9	4.7	-1.2	-2.4	-1.8
C	ash and cash equivalents at end of period	50.9	42.2	49.1	61.4	58.6	77.8	85.8

Corporate Code of Behavior of The Japan Steel Works, Ltd.



(revised on April 1,2018)

At The Japan Steel Works, Ltd., we will comply with all laws and international rules, both to the letter and in spirit, and fulfill our social responsibilities with a strong sense of ethics in Japan and overseas as a company that aims to realize a sustainable society based on the following ten principles.

- 1. To promote sustainable economic growth and the resolution of social issues, we will develop useful products, technologies and services that give consideration to safety through innovation and provide them to society.
- 2. We will conduct appropriate transactions and responsible procurement based on fair and free competition. We will also maintain sound relationships with political and government bodies.
- 3. To enhance our corporate value, we will make appropriate corporate information available to the public willingly and fairly and have constructive dialogues with a wide range of stakeholders.
- 4. We will respect the human rights of all people.
- 5. We will earn the trust and satisfaction of society and customers by responding promptly to inquiries from customers after reflecting the market and customer needs in our products, technologies and services.
- 6. We will provide a sound working environment by developing workstyles that respect the diversity, personality and individuality of employees.
- 7. We will take actions proactively, recognizing that addressing environmental issues is an important duty for us as a company.
- 8. We will participate in the community and contribute to its development as a corporate citizen.
- 9. We will conduct thorough and systematic crisis management against antisocial forces, terrorism, cyberattacks and natural disasters, etc. that will pose a threat to civil society and corporate activities.
- 10. Recognizing the realization of the spirit of this code of behavior as its own role, our management will make it fully known to the employees of the Company and its affiliates after establishing effective governance and encourage the chains to perform acts based on the spirit of this code of behavior.
 - If any situation that will lose the trust of society occurs in conflict with the spirit of this code of behavior, our management will take the initiative in solving the problem, investigating the cause and preventing recurrence to fulfill our responsibility.



