GLORY LTD.



Consolidated Financial Results for the Six Months ended September 30, 2019

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Consolidated Financial Results for the Six Months ended September 30, 2019



※

Performance Overview Year-on-Year



Net Sales

Overall sales were lower due to the large-scale demand of the previous year having run its course in Financial Market.

Income

Operating income increased year-on-year mainly due to maintenance sales increase and improvement of product mix.

	(NA:II: ama afaram)	FY2018		FY2019		V V	
	(Millions of yen)	Six months ended September 30, 2018	Ratio	Six months ended September 30, 2019	Ratio	Y-on-Y	
	Net Sales	109,587	100.0%	108,505	100.0%	-1.0%	
	Maintenance Sevices	33,830	30.9%	35,489	32.7%	+4.9%	
0	perating Income	7,011	6.4%	9,018	8.3%	+28.6%	
C	Ordinary Income	6,913	6.3%	8,316	7.7%	+20.3%	
N	et Income Attributable to Owners of Parent	3,822	3.5%	4,859	4.5%	+27.1%	
	EBITDA	13,189	12.0%	15,772	14.5%	+19.6%	
Ε	xchange US\$	¥ 110		¥ 109		_	
	rate Euro	¥ 130		¥ 121			

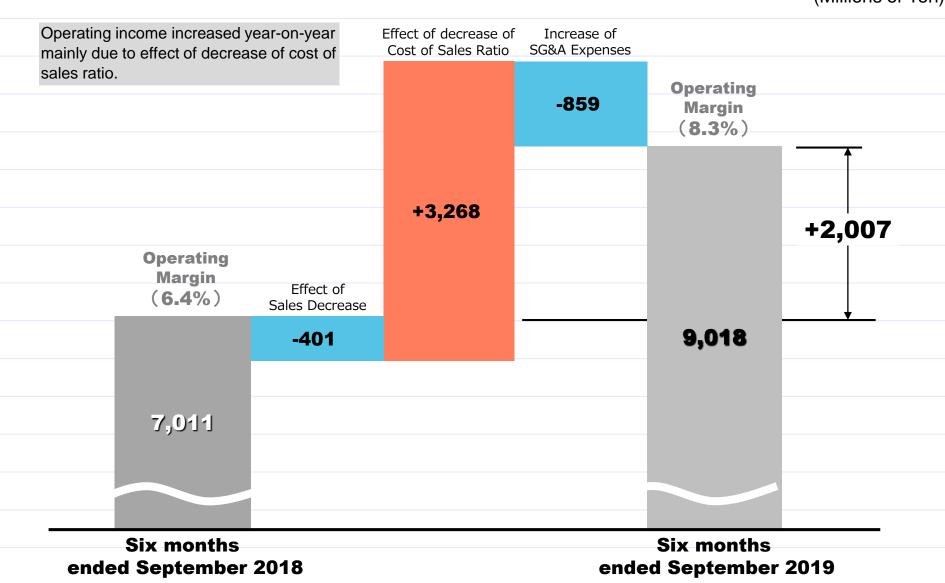
*EBITDA=Operating income(loss) + Depreciation and amortization + Goodwill amortization



Factors of Operating Income Change



(Millions of Yen)





Sales and Operating Income by Business Segment



			Sales		Operating Income		
(Millions of yen)		Six months ended September 30, 2018	Six months ended September 30, 2019	Y-on-Y	Six months ended September 30, 2018	Six months endedSeptember 30, 2019	Y-on-Y
Oversea Market	as	45,839	47,564	+1,725 +3.8 %	1,187	4,047	+2,860 +240.9 %
Financia Market	al	28,461	22,335	-6,126 -21.5 %	3,537	2,068	- 1,469 -41.5 %
Retail & Transpor Market	rtation	24,149	25,483	+1,334 +5.5 %	2,069	2,919	+850 +41.1 %
Amusen Market	nent	9,586	10,543	+957 +10.0 %	760	1,293	+533 +70.1 %
Others		1,551	2,578	+1,027 +66.2 %	-542	-1,309	-767 - %
Total		109,587	108,505	-1,082 -1.0 %	7,011	9,018	+2,007 +28.6 %





Details of Performance for the Six Months ended September 30, 2019

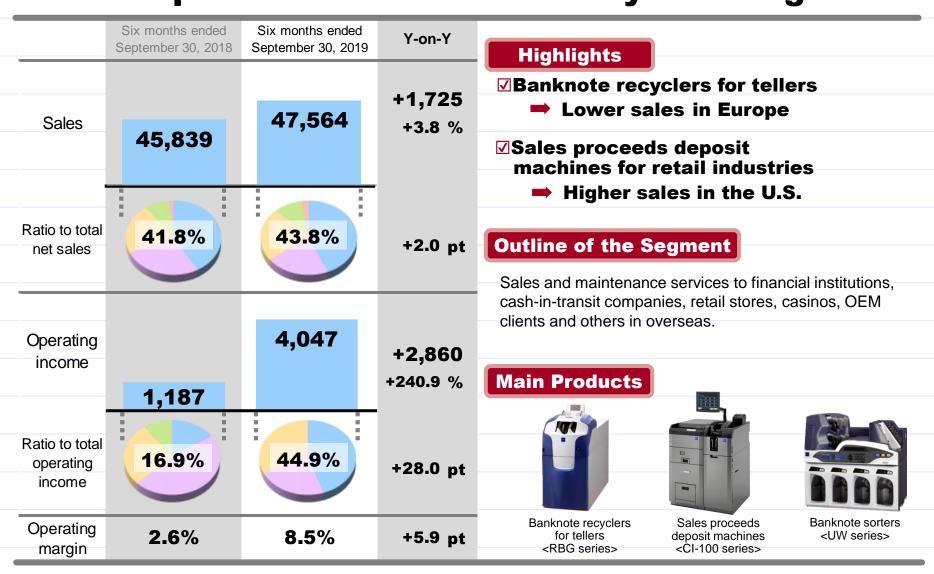


Overseas Market



(Millions of Yen)

Sales of products for retail industry were higher



Sales by Geographical Segment of Overseas Market



(Millions of Yen)

(Millions of yen)	Six months ended September 30, 2018	Six months ended September 30, 2019	Y-on-Y	Local currency basis
Americas	15,519	16,954	+1,435 +9.2 %	+10.9%
EMEA	20,284	20,345	+61 +0.3 %	+7.3%
Asia	5,498	6,511	+1,013 +18.4 %	-
China	1,456	2,265	+809 +55.6 %	+66.2%
OEM	4,537	3,753	-784 -17.3 %	-17.3%
Total overseas sales	45,839	47,564	+1,725 +3.8 %	-

- Americas ··· Sales of products for retail industry were higher.
- **EMEA** ··· Sales of products for financial institutions were lower.
- Asia Pacific · · · Sales of products for financial institutions were higher .
- ■China ···· Sales of products for financial institutions were higher .
- ■OEM ··· Sales of banknote recycling units for ATMs were lower.

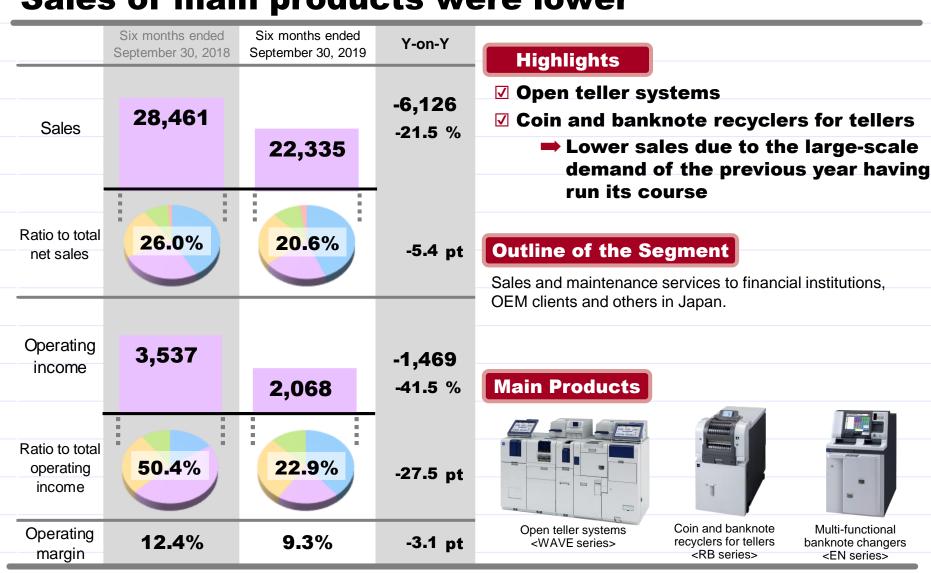


Financial Market



(Millions of Yen)

Sales of main products were lower



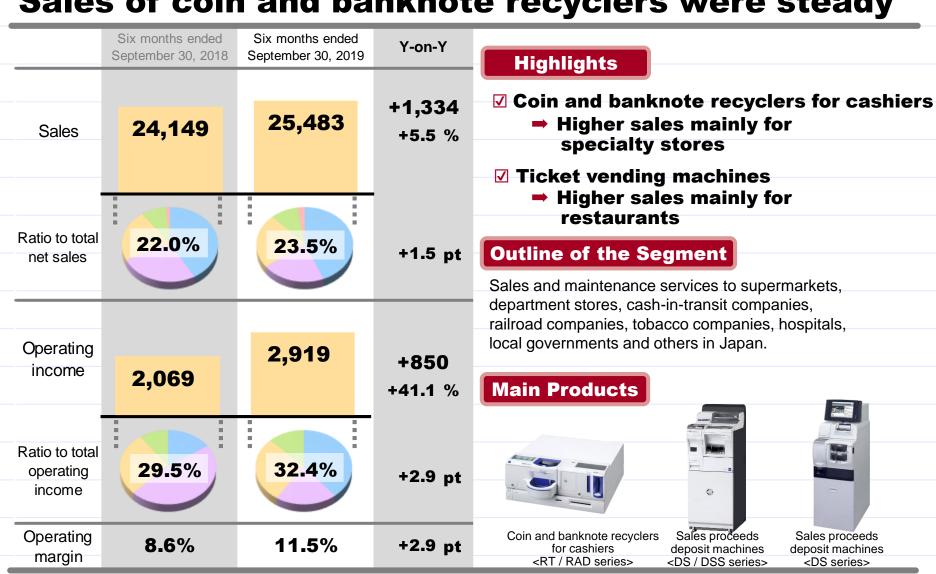


Retail and Transportation Market



(Millions of Yen)

Sales of coin and banknote recyclers were steady



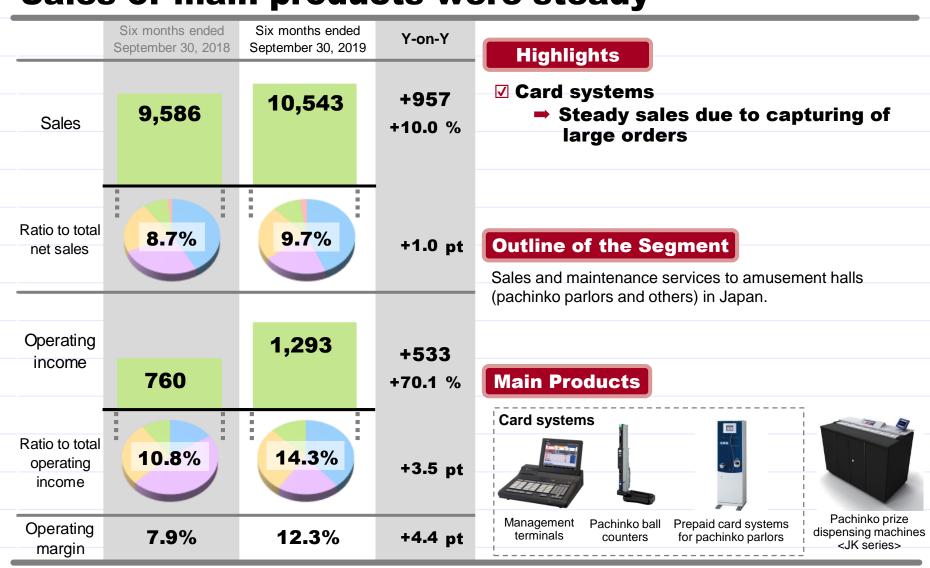


Amusement Market



(Millions of Yen)

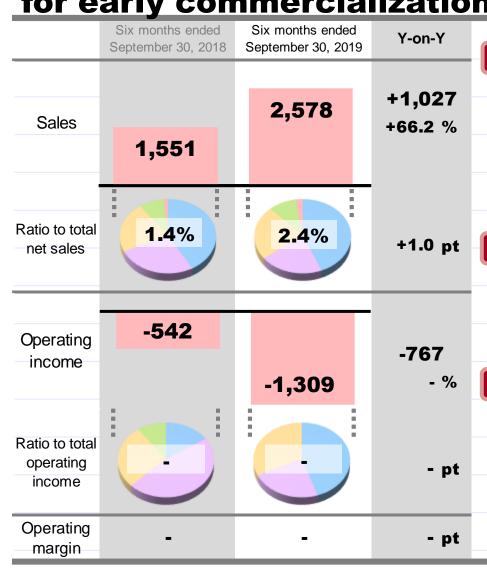
Sales of main products were steady



Others



Strategic investment promoted for early commercialization of new businesses



Highlights

- ☑ Promote strategic investment for new businesses
 - Proactive allocation of human resources
 - Conduct of proof of concept studies

Outline of the Segment

Sales and maintenance service not included in the reportable segments

Main Products



Facial recognition systems



Collaborative Robotic SI Business





Financial Forecast for FY2019

Financial Forecast Financial Forecast for FY2019



Net Sales

Higher overseas sales but a decrease in total sales in part due to large-scale demand of previous year having run its course

Income

Lower income because of a decrease in sales of major products in Japan and continuing investments in new businesses

(Milliana of year)		FY2018		FY2019		Y-on-Y
	(Millions of yen)	Full Year	Ratio	Full Year (Forecast)	Ratio	1-011-1
	Net Sales	235,762	100.0%	230,000	100.0%	-2.4%
	Maintenance Sevices	68,197	28.9%	68,500	29.8%	+0.4%
С	perating Income	20,576	8.7%	17,000	7.4%	-17.4%
	Ordinary Income	20,575	8.7%	16,500	7.2%	-19.8%
Net Income Attributable to Owners of Parent		12,256	5.2%	10,000	4.3%	-18.4%
Ex	change US\$ rate Euro	¥ 111 ¥ 128		¥ 110 ¥ 120		

Sales & Operating Income Forecast by Business Segment



Г		Sales			Operating Income			
	(Millions of yen)	FY2018 Full Year	FY2019 * Full Year (Forecast)	Y-on-Y	FY2018 Full Year	FY2019 * Full Year (Forecast)	Y-on-Y	
I	Overseas Market	103,287	115,000 110,000	+6,713 +6.5 %	8,761	11,500 9,500	+739 +8.4 %	
	Financial Market	56,636	46,000 45,000	-11,636 -20.5 %	6,764	3,800 3,000	-3,764 -55.6 %	
	Retail & Transportation Market	51,985	47,000 51,500	-485 -0.9 %	4,611	3,300 5,500	+889 +19.3 %	
	Amusement Market	20,511	19,000	-1,511 -7.4 %	1,959	900 1,500	-459 -23.4 %	
	Others	3,341	3,000 4,500	+1,159 +34.7 %	-1,521	-2,500	-979 - %	
	Total	235,762	230,000	-5,762 -2.4 %	20,576	17,000	-3,576 -17.4 %	

^{*}Upper row is August 6, 2019 forecast and under row is November 7, 2019 forecast.



	(Millians of yan)	FY2018	FY2019	Y-on-Y	
	(Millions of yen)	Full Year	Full Year (Forecast) *	1-011-1	Local currency basis
	America	36 729	43,000	+5,272	
	Americas	36,728	42,000	+14.4 %	+15.3%
		42 4 40	48,000	+2,860	
	EMEA	43,140	46,000	+6.6 %	+14.3%
	A	44.757	16,500	+1,243	
	Asia	14,757	16,000	+8.4 %	-
	China	E E 70	6 500	+922	
	China	5,578	6,500	+16.5 %	+18.7%
	OEM	9 664	7,500	-2,661	
	OEM	8,661	6,000	-30.7 %	-30.7%
	(-1	402 207	115,000	+6,713	
10	tal overseas sales	103,287	110,000	+6.5 %	-

^{*}Upper row is August 6, 2019 forecast and under row is November 7, 2019 forecast.





Capital Policies/ Returning Profits to Shareholders

Cancellation of Treasury Shares



Reason for cancellation

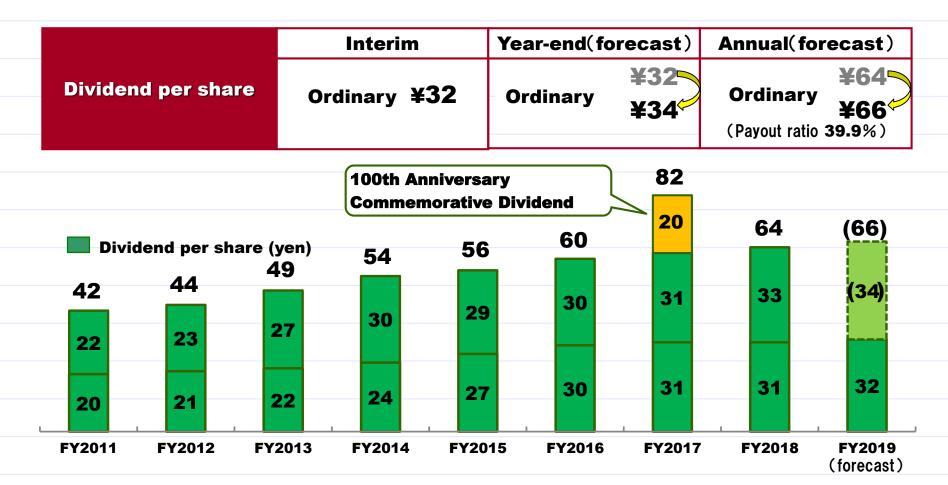
Glory will cancel its treasury shares with the aim of improving capital efficiency and increasing shareholders returns.

Details of cancellation

Type of shares to be cancelled	Common shares of the Company	_
Total number of shares to be cancelled	5,000,000 shares	7.28% of total number of shares outstanding before the cancellation
Planned date of cancellation	November 29, 2019	_
Total number of shares outstanding after the cancellation	63,638,210 shares	_
Number of treasury shares after the cancellation	2,865,997 shares	

Revision of Year-End Dividend Forecast for FY2019

Forecast was revised to ¥66 per share, an increase of ¥2 (at year-end) from the previous forecast with the aim of enhancing shareholder returns



This matter will be submitted to the 74th Ordinary General Meeting of Shareholders to be held in June 2020.





2020 Medium-Term Management Plan Progress

Outline of 2020 Medium-Term Management Plan



Basic Policy

Policy 1 Existing Business

Build foundations for realizing sustainable business management

- Overseas business
 Further growth of financial market and acceleration of retail business
- Domestic business
 Promote solution proposals

Policy 2 New Business

Strengthen collaboration with various partners to solve social issues

- Promote new business domains
- Acquire new core technology
- Proactive allocation of management resources for new business

Policy 3 Management Base

Realize higher productivity and robust corporate constitution that directly generate outcome

- Work-style and operational reform to improve productivity
- Organizational climate reform to realize open innovation

Performance Target

- Net sales
- Operating income
- Operating margin
- ROE
- Strategic investment quota (3 years total)

¥260.0 billion

¥25.0 billion

9.6 %

8.0 %

¥60.0 billion





Domestic Business Strategy



Realization of next generation branch style



Solutions

Higher financial institution earnings: Eliminate back-office tasks to focus on serving

customers/Operate branch offices with fewer people

Improve customer satisfaction

: Use self-service systems to cut waiting time

Bank branches 1 to 3 years from

"Smart Bank Branch"

Envisions an effective strategy by dividing branches into four categories. Eliminates back-office tasks allowing branch personnel to focus on sales activities for customers who visit branches.



Example of a streamlined overseas branch

Branch with 2-member staff





Labor-Saving Solutions and Products



Solutions

- Higher retail stores earnings
- Improve customer satisfaction
- Improve efficiency of time-consuming payment-related tasks and provide ideas for dealing with the labor shortage
- : Support for various payment methods and Shorter checkout waiting time

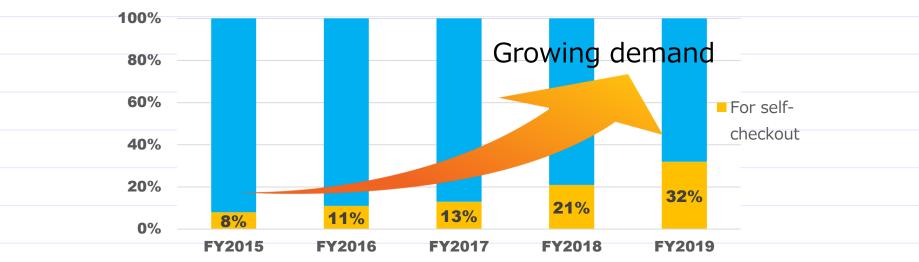






Coin and banknote recyclers for cashers

Sales of coin and banknote recyclers for self-checkout terminals





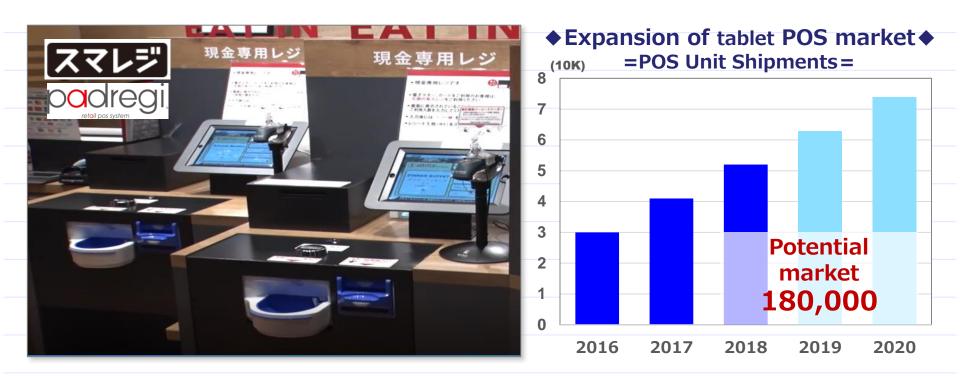
Labor-Saving Solutions and Products



Solutions

- Higher retail stores earnings
- Improve customer satisfaction
- : Improve efficiency of time-consuming payment-related tasks and provide ideas for dealing with the labor shortage
- : Support for various payment methods and Shorter checkout waiting time

Growing market for Coin and banknote recyclers







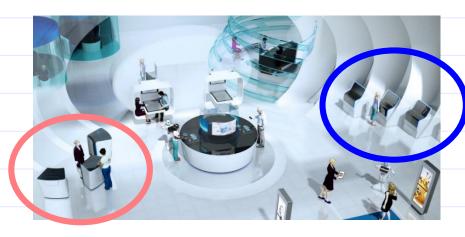
Overseas Business Strategy

Products for Low-Cost Operation



Solutions

- Higher financial institution earnings :Improve customer satisfaction :
- : Fewer branch personnel and rigorous cash management
 - : Increase efficiency of bank procedures
 - to cut waiting time



TellerInfinity[™]

Enhance proposals for branch solutions utilizing TellerInfinity™ operated by customers themselves



[Major functions]

- -Input/output of coins and banknotes
- -Input/output of checks
- -Internal/external money transfers
- -Payment for utility and other bills

Coin and banknote recyclers for tellers

Enhance proposals for branch solutions utilizing banknote recyclers for





Increasing demand for use as a multi-function self-service unit





Increasing demand for use as a self-service or multifunction self-service unit





Current status of retail industry



Retail industry in Europe and Americas

Reduction of cash management cost /
Rising cost of labor / Various payment methods

Solutions

Higher retail stores earnings : Fewer branch personnel and rigorous cash management

• Improve customer satisfaction: Shorter checkout waiting time





Coin and banknote recyclers for cashers

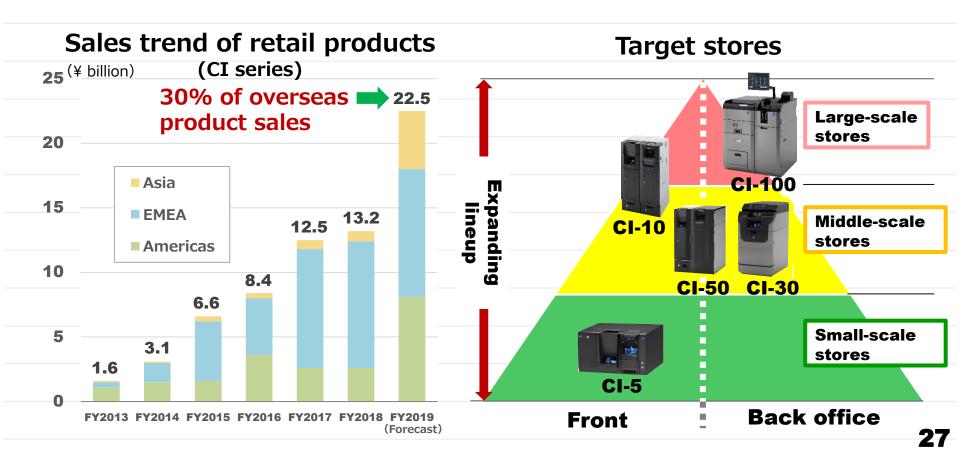
Improvement of Efficiency of Store Operations



Solutions

- Higher retail stores earnings
- : Rigorous cash management and fewer branch personnel
- : Shorter checkout waiting time Improve customer satisfaction

New CASHINFINITY Series for many types and sizes of retail businesses, from superstores to one-person stores



Plan Progress Increase of coin types that can be counted



From approximately 30 countries to more than 60 countries

~Increase of coin types that can be counted by **CASHINFINITY Series~**



Country	Japan	* Australia	+ Switzerland	Mexico
Coin Design	1 500		5FR.	Sent Sent Sent Sent Sent Sent Sent Sent
Size (min~max)	20.0mm ~ 26.5mm	20.5mm ~ 31.5mm	17.0mm ~ 31.5mm	15.5mm ~ 39.0mm

Top 20 of Retail Companies in the World



U.S.:10 Europe: 7 Asia: 3

Retailer	Sales (US\$M)	Number of stores
Walmart walmart **	500,343	11,300
Costco Wholesale Corporation	129,025	768
The Kroger Co.	118,982	2,764
Amazon.com, Inc	118,573	約10
Schwarz Group	111,766	約10,000
The Home Depot, Inc.	100,904	2,287
Walgreens Boots Alliance, Inc. Teralgreens	99,115	約18,500
Aldi Einkauf GmbH & Co. oHG	98,287	約10,000
CVS Health Corporation	79,398	約9,600
Tesco PLC TESCO	73,961	約6,800

PC.	/ Asia i S		
	Retailer	Sales (US\$M)	Number of stores
	Ahold Delhaize & Ahold Delhaize	72,312	6,769
	Target Corporation	71,879	1,844
	Aeon Co., Ltd	70,072	21,742
	Lowe's Companies, Inc.	68,619	1,723
	Albertsons Companies, Inc.	59,925	2,313
	Auchan Holding SA	58,614	約4,000
	Edeka Group	57,484	約3,700
	Seven & I Holdin Co., Ltd	51,889	67,600
	REWE Combine REWE	49,713	15,313
*}	JD.com, Inc.	49,088	0





New Business Strategy



Personal identification and authentication



Experiment of biometric payments(Collaborative project with Fuetrek)



User can complete payment by saying a keyword to tablet terminal.

Business development in the medical field





GLORY

The "Glory Medical Engineering Collaborative Research Project" has been established as part of the Advanced Medical Engineering Research Center (AMEC), University of Hyogo. By utilizing Glory's recognition and identification technologies, the aim is to develop technologies that will be useful for early detection, diagnosis, and treatment of various diseases associated with an aging society.



Collaborative research is being conducted with Juntendo University and several other companies. By using Glory's facial expression recognition technology, IBM Japan's AI, and other technologies, the aim is to establish a system that can detect Parkinson's disease and dementia, at an early stage and diagnose their progression based on facial expressions and speech.



EM SYSTEMS CO.,LTD.





Collaborated with EM Systems on a prescription input support system for health insurance pharmacies. Glory's optical character recognition (OCR) technology has been installed into a system provided by EM Systems that manages patient information. Available from October 2019.



Glory's facial-recognition-driven System

When a hospitalized patient tries to leave the hospital, the facial-recognition camera installed will detect them and send a message to hospital staff computers and tablets together with images taken.



Business development in the medical field

Hospital and clinic system for automatic post-care payment processing







Automatic post-care payment processing "Zero waiting time"

Medical payment kiosks

Payment by cash, credit card, debit card, and electronic money are possible.









This system allows patients to pay the doctor visit fee without waiting at the clinic for the bill. Introduced by Juntendo Clinic in April 2019.



Investment in new business models



SoCash (Singapore)

Developer/provider of a cash-out service that uses a mobile app to withdraw cash from a cash register at a retail store. Partnered with over 1,400 retail branches in Singapore















Developer/provider of a comprehensive cash settlement platform using POS registers in retail shops in Europe.

This platform enables users to deposit and withdraw cash and make cash payments for e-commerce and utility bills at supermarkets or drug stores by just showing a barcode issued by CPS.













Reference

Consolidated Statements of Income / Statement of Comprehensive Income



(Millions of yen)			Six months ended September 30, 2019	Ratio	Y-on-Y
Net sales	109,587	100.0%	108,505	100.0%	-1,082
Cost of sales	69,003	63.0%	65,054	60.0%	-3,949
Selling, general and administrative expenses	33,573	30.6%	34,432	31.7%	+859
Operating income	7,011	6.4%	9,018	8.3%	+2,007
Non-operating income	301	0.3%	409	0.4%	+108
Non-operating expenses	398	0.4%	1,110	1.0%	+712
Ordinary income	6,913	6.3%	8,316	7.7%	+1,403
Extraordinary income	62	0.1%	0	0.0%	-62
Extraordinary loss	19	0.0%	131	0.1%	+112
Income before income taxes and minority interests	6,956	6.3%	8,186	7.5%	+1,230
Income taxes	2,465	2.2%	2,715	2.5%	+250
Net Income	4,491	4.1%	5,470	5.0%	+979
Net income attributable to owners of parent	3,822	3.5%	4,859	4.5%	+1,037
Net Income	4,491	4.1%	5,470	5.0%	+979
Valuation difference on available- for-sale securities	-28		-191		-163
Foreign currency translation adjustment	3,435		-2,927		-6,362
Remeasurements of defined benefit plans	26		68		+42
Total other comprehensive income	3,433	3.1%	-3,050	-2.8%	-6,483
Comprehensive income	7,925	7.2%	2,419	2.2%	-5,506

Consolidated Balance Sheets



(Millions of yen)	As of March 31, 2019	As of September 30, 2019	Increase/ Decrease		As of March 31, 2019	As of September 30, 2019	Increase/ Decrease
Cash, deposits and Securities	75,884	68,101	-7,783	payable-liade	18,475		+14
Notes and accounts receivable-trade	58,087	48,473	-9,614	Short-term loans pavable	27,845	27,313	2 -532
Inventories	48,527	55,082	+6,555	Other	44,147	39,640	-4,507
Other	5,645	4,998	-647	Total current liabilities	90,467	85,442	-5,025
Current assets	188,143	176,654	-11,489	Long-term loans payable	0	0	2 0
Property, plant and equipment	34,829	37,716	+2,887	Other	34,503	36,651	+2,148
Customer relationships	19,108	18,561	<u> </u>	Noncurrent liabilities	34,503	36,651	+2,148
Goodwill	44,245	42,170	-2,075	Total liabilities	124,971	122,093	-2,878
Other	6,438	6,464	+26	Capital stock	12,892	12,892	0
Intangible assets	69,791	67,195	-2,596	Retained earnings	172,219	175,072	+2,853
Total investments and other assets	25,464	26,591	+1,127	Other	8,146	-1,901	3 -10,047
Total noncurrent assets	130,084	131,503	+1,419	Total netassets	193,257	186,063	-7,194
Total assets	318,228	308,157	-10,071	Total liabilities and net assets	318,228	308,157	-10,071

^{*1} Customer relationships and goodwill decreased.

^{*2} Loans decreased due to repayments of loans

^{*3} Retained earnings and Non-controlling interests decreased mainly due to acquisition of shares of overseas subsidiaries.

Statements of Cash Flows



(Millions of yen)	Six months ended September 30, 2018	Six months ended September 30, 2019	Increase/ Decrease
Cash flows from operating activities	4,433	10,266	+5,833
Cash flows from investing activities	-3,442	-6,479	-3,037
Cash flows from financing activities	-8,627	-10,248	-1,621
Net increase (decrease) in cash and cash equivalents	-7,121	-7,725	-604
Free cash flows	991	3,787	+2,796

^{*}Free cash flows = Cash flows from operating activities + Cash flows from investing activities

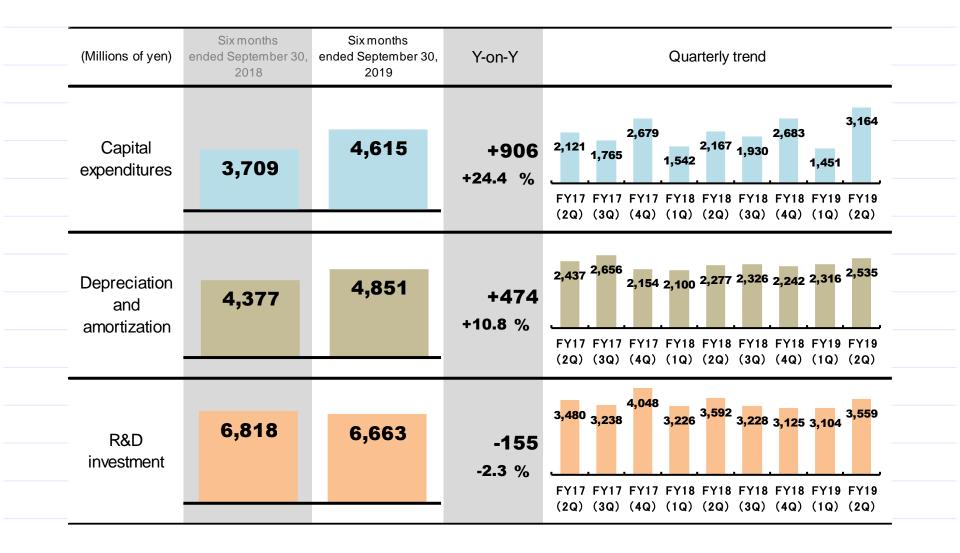
Sales & Operating Income Forecast by Business Segment (vs. forecast)



	Sales			Operating Income		
(Millions of yen)	Six months ended September 30, 2019(Forecast)	Six months ended September 30, 2019	vs. forecast	Six months ended September 30, 2019(Forecast)	Six months endedSeptember 30, 2019	vs. forecast
Overseas Market	50,500	47,564	-2,936 -5.8 %	2,500	4,047	+1,547 +61.9 %
Financial Market	22,500	22,335	-165 -0.7 %	1,500	2,068	+568 +37.9 %
Retail & Transportation Market	24,500	25,483	+983 +4.0 %	2,000	2,919	+919 +46.0 %
Amusement Market	9,500	10,543	+1,043 +11.0 %	700	1,293	+593 +84.7 %
Others	2,000	2,578	+578 +28.9 %	-1,200	-1,309	-109 - %
Total	109,000	108,505	-495 -0.5 %	5,500	9,018	+3,518 +64.0 %

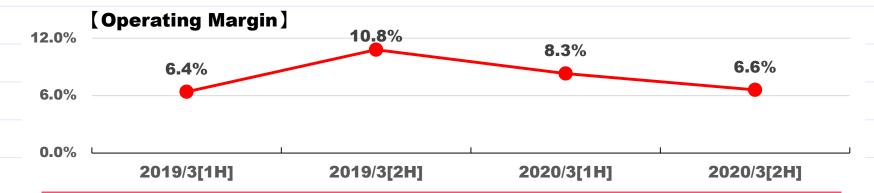
Capital Expenditures etc.





Sales & Operating Income Forecast by Business Segment (Half Year)



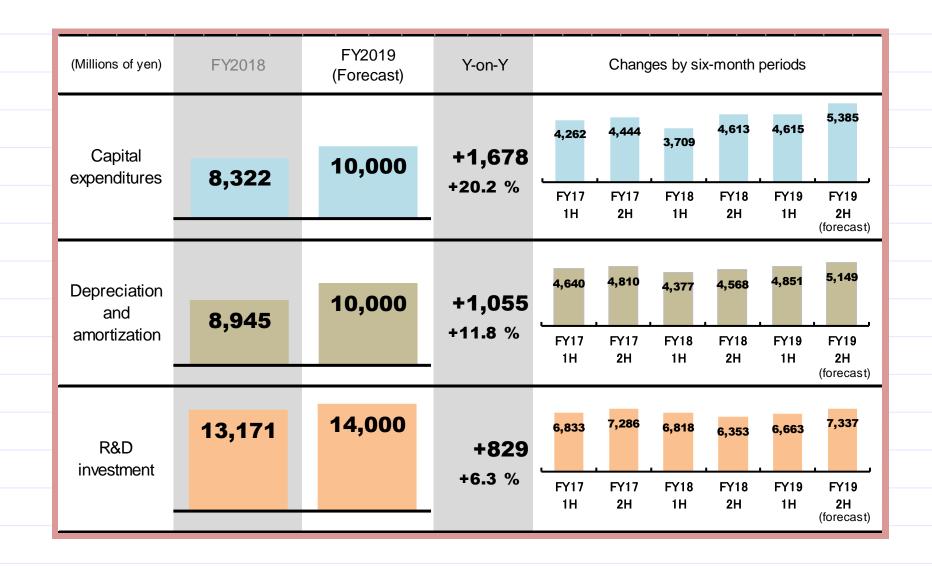


	FY2019						
(Millions of yen)	Q1	Q2	First Half	Second Half (Forecast)	Full Year (Forecast)		
Overseas	21,541	26,023	47,564	62,436	110,000		
Market	1,246	2,801	4,047	5,453	9,500		
Financial	8,617	13,718	22,335	22,665	45,000		
Market	297	1,771	2,068	932	3,000		
Retail &	12,531	12,952	25,483	26,017	51,500		
Transportation Market	1,532	1,387	2,919	2,581	5,500		
Amusement	5,224	5,319	10,543	8,457	19,000		
Market	702	591	1,293	207	1,500		
Others	1,161	1,417	2,578	1,922	4,500		
Others	-608	-701	-1,309	-1,191	-2,500		
Total	49,076	59,429	108,505	121,495	230,000		
Total	3,171	5,847	9,018	7,982	17,000		

^{*}Net sales is upper row and operating income is under row.

Capital Expenditures etc.







<Notes>

1. The forward-looking statements such as operational forecasts contained in this document are based on the information currently available to the company and certain assumptions which the company regards as legitimate, and are not promises regarding the achievement of forecasts. Actual performance may differ greatly from these forecasts due to various present and future factors.

The factors includes changes in the economic conditions in the company's principal markets, changes in demand for the company's products, fluctuations of exchange rates, and impacts of changes in various regulations, accounting principles and practices.

Please also take note that forecasts in this document may change without prior notice unless required by laws.

2. Amounts are rounded down to the nearest million yen for calculating percentages of year-on-year changes and composition ratios.