

February 8, 2022

SATO HOLDINGS CORPORATION

FY2021 Q3 Financial Results

(Nine Months Ended December 31, 2021)

Securities Code: 6287

Summary

Consolidated

Cumulative Q3 (Apr-Dec) saw year-on-year increases in sales and OI. Sales were up and OI down in Q3 alone (Oct-Dec).

Auto-ID Solutions Business (Overseas)

Sales and OI increased in both cumulative Q3 and Q3 with record-high sales in the latter.

- Base business: Robust demand led to higher sales and OI in both cumulative
 Q3 and Q3 despite sharp cost increases. Q3 sales and OI booked record highs.
- Primary Labels business: Sales and OI increased in cumulative Q3 due to strong demand. Q3 saw higher sales but lower OI due to higher COGS.

Auto-ID Solutions Business (Japan)

Cumulative Q3 sales increased, driven by manufacturing and logistics. OI declined due to temporary cost increases and growth investments. In Q3, sales were flat as continued recovery in manufacturing and logistics offset absence of large orders seen last FY in retail and others. OI decreased due to increase in costs.



Sales and OI by Business Segment

				FY2021 Apr-Dec
		to-ID	Total Sales	92,388
		lutions siness	Operating Income	4,665
		0	Total Sales	39,072
		Overseas	Operating Income	2,975
		Japan	Total Sales	53,315
			Operating Income	1,690
	TD		Total Sales	0
	IDP business*		Operating Income	0
	Consolidated (incl. eliminations)		Total Sales	92,388
			Operating Income	4,743

FY2020 Apr-Dec	YoY	excl. FX impact
79,135	+16.7%	+14.0%
3,822	+22.1%	+19.4%
29,059	+34.5%	+27.0%
1,804	+64.9%	+58.2%
50,075	+6.5%	+6.5%
2,018	-16.2%	-15.3%
136	-	-
-148	-	-
79,271	+16.5%	+13.8%
3,777	+25.6%	+22.9%



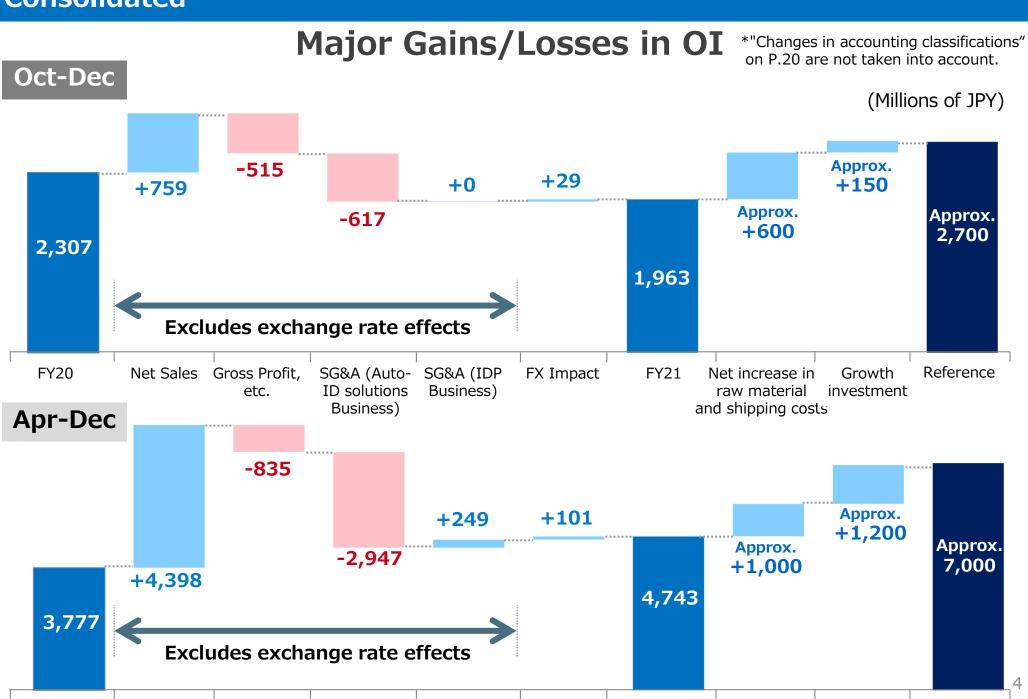
Sales and OI by Business Segment

			FY2021 Oct-Dec
	ito-ID	Total Sales	32,126
	lutions siness	Operating Income	1,903
	0	Total Sales	13,788
	Overseas	Operating Income	1,101
	Japan	Total Sales	18,337
		Operating Income	801
		Total Sales	0
ID	P business*	Operating Income	0
Consolidated		Total Sales	32,126
(iı	ncl. eliminations)	Operating Income	1,963

FY2020 Oct-Dec	YoY	excl. FX impact
29,398	+9.3%	+5.7%
2,213	-14.0%	-15.3%
11,045	+24.8%	+15.4%
1,043	+5.6%	-1.4%
18,352	-0.1%	-0.1%
1,170	-31.5%	-27.8%
0	-	-
0	-	-
29,398	+9.3%	+5.7%
2,307	-14.9%	-16.2%

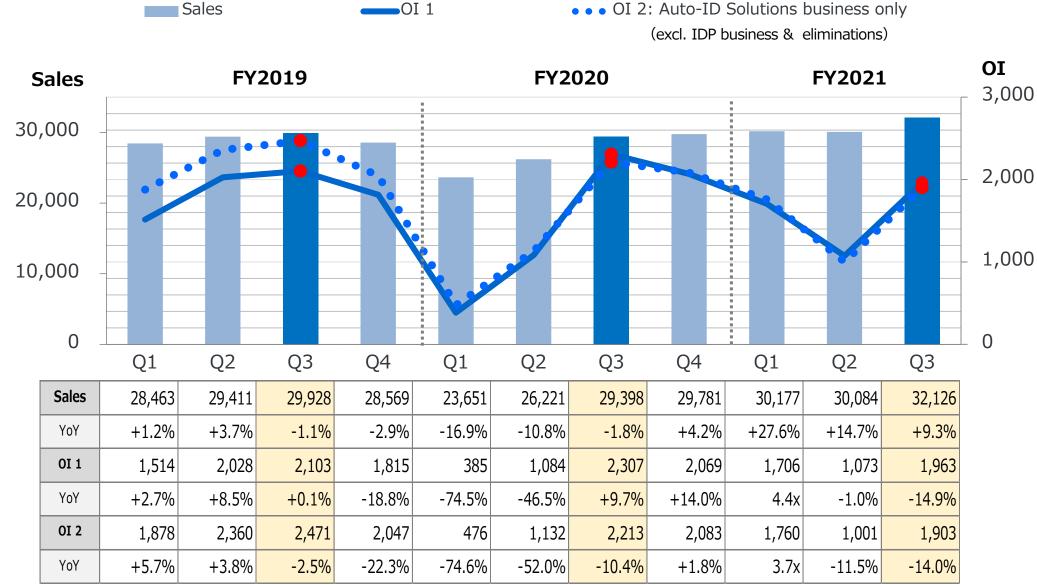


Consolidated



Consolidated

Quarterly Sales & OI



Consolidated Results

(Millions of JPY)

	FY2021 Apr-Dec
Net Sales	92,388
Operating Income	4,743
Operating Income %	5.1%
Ordinary Income	4,610
Profit attributable to owners of parent*1	2,952
Effective Tax Rate*2	31.9%
EBITDA*3	8,087

	,				
FY2020 Apr-Dec	Change YoY				
79,271	+13,116	+16.5%			
3,777	+966	+25.6%			
4.8%	+0.4pt	_			
3,469	+1,140	+32.9%			
11,604	-8,651	-74.6%			
8.3%	+23.6pt	-			
7,030	+1,057	+15.0%			

Average exchange rates for Apr-Dec 2021: JPY 111.13 /USD, JPY 130.59 /EUR, Apr-Dec 2020: JPY 106.11/USD, JPY 122.43/EUR FX sensitivity for FY21: JPY +459 million in sales and JPY +17million in OI for +1 JPY against USD and assuming all others move by the same ratio

^{*1} Gain on sales of property, plant and equipment associated with the sale of the previous head office was recorded in FY20 Q3.

^{*2} Profit attributable to owners of parent and effective tax rate: For FY20, income tax related to the impairment loss at DataLase in FY19 was adjusted following the transfer of its shares in Sep 2020.

^{*3} EBITDA = Operating Income + Depreciation + Amortization

[·]Depreciation for Apr-Dec 2021: JPY 3,166 million

Apr-Dec 2020: JPY 3,084 million ·Amortization for Apr-Dec 2021: JPY 176million Apr-Dec 2020: JPY 168 million

Consolidated Oct-Dec

Consolidated Results

(Millions of JPY)

	FY2021
	Oct-Dec
Net Sales	32,126
Operating Income	1,963
Operating Income %	6.1%
Ordinary Income	1,914
Profit attributable to owners of parent*1	1,103
Effective Tax Rate	40.4%
EBITDA*2	3,112

FY2020 Oct-Dec	Change	YoY
29,398	+2,727	+9.3%
2,307	-343	-14.9%
7.8%	-1.7pt	-
2,237	-323	-14.4%
8,354	-7,250	-86.8%
31.4%	+9.1pt	-
3,379	-267	-7.9%

Average exchange rates for Apr-Dec 2021: JPY 111.13 /USD, JPY 130.59/EUR, FY20: JPY 106.11/USD, JPY 122.43/EUR FX sensitivity for FY21: JPY +459 million in sales and JPY +17million in OI for +1 JPY against USD and assuming all others move by the same ratio *1 Gain on sales of property, plant and equipment associated with the sale of the previous head office was recorded in FY20 Q3.

[·]Amortization for Oct-Dec 2021: JPY 59 million Oct-Dec 2020: JPY 54 million



^{*2} EBITDA = Operating Income + Depreciation + Amortization

[·] Depreciation for Oct-Dec 2021: JPY 1,089 million Oct-Dec 2020: JPY 1,018 million

Overview

Oct-Dec

Gross Profit

Gross Profit %

Operating Income

Operating Income %

Sales increased in all regions by firmly capturing robust demand.
OI increased overall despite temporary increases in costs of label materials and printer components.

(Millions of JPY)

	FY2021	FY2020			
	Oct-Dec	Oct-Dec	Change	YoY	excl. FX impact
Total Sales	13,788	11,045	+2,742	+24.8%	+15.4%
Gross Profit	4,602	4,093	+508	+12.4%	
Gross Profit %	33.4%	37.1%	-3.7pt	-	-
Operating Income	1,101	1,043	+58	+5.6%	-1.4%
Operating Income %	8.0%	9.4%	-1.5pt	-	-
	FY2021	FY2020	Chango		
	Apr-Dec	Apr-Dec	Change	YoY	excl. FX impact
Total Sales	39,072	29,059	+10,013	+34.5%	+27.0%

10,416

35.8%

1,804

6.2%

+2,871

-1.8pt

+1,170

+1.4pt

+27.6%

+64.9%

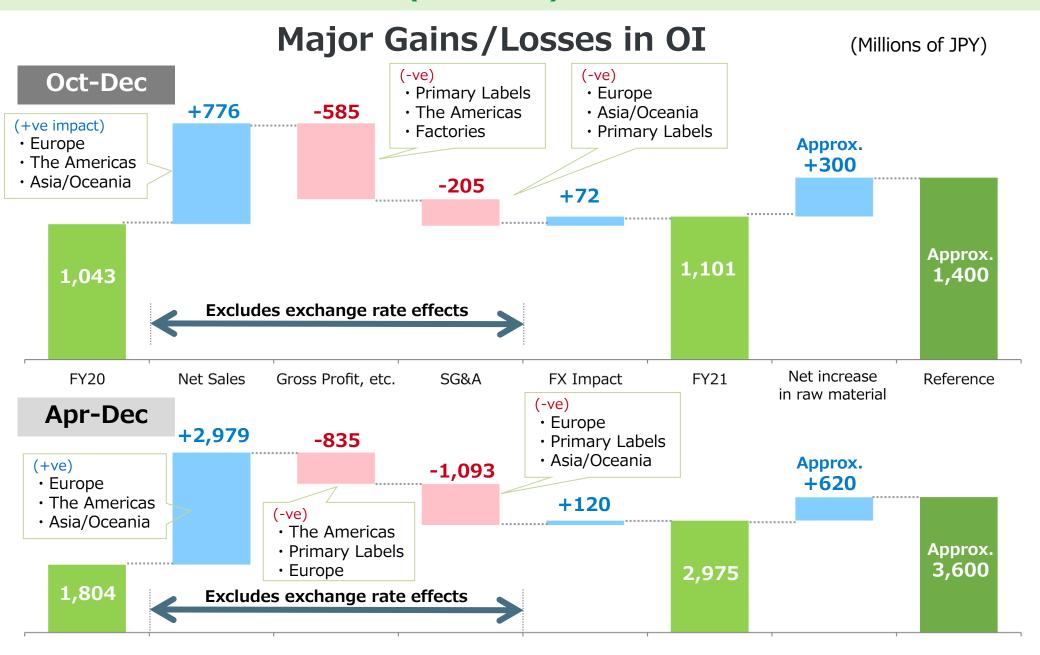
13,288

34.0%

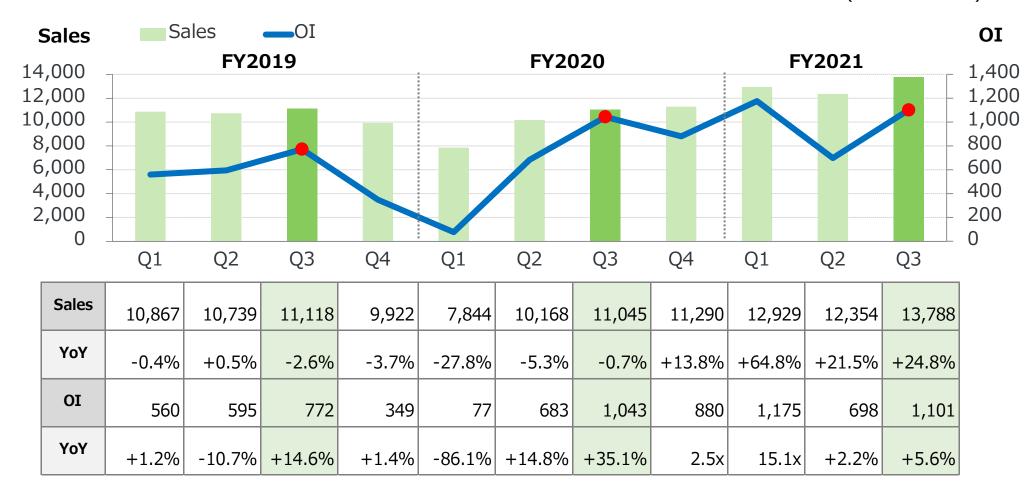
2,975

7.6%

+58.2%



Quarterly Sales & OI





Breakdown by Business Segment

Oct-Dec Base business: Sales increased, driven by printers for retail, with collective efforts to combat supply constraints. OI increased despite a temporary increase in costs.

Primary Labels business: Sales increased due to robust sales to daily life infrastructure industries.

OI decreased due to sharp rises in cost of sales.

		FY2021 Oct-Dec	FY2020 Oct-Dec	Change	YoY	excl. FX impact
Base	Total Sales	10,578	8,499	+2,079	+24.5%	+15.8%
Dasc	Operating Income	900	727	+172	+23.7%	+15.1%
Primary Labels	Total Sales	3,209	2,546	+663	+26.1%	+14.1%
Primary Labels	Operating Income	186	270	-84	-31.0%	-34.7%
Eliminations	Operating Income	14	45	-30	-67.9%	-67.9%
Total	Total Sales	13,788	11,045	+2,742	+24.8%	+15.4%
ı Otai	Operating Income	1,101	1,043	+58	+5.6%	-1.4%

		FY2021	FY2020			_
		Apr-Dec	Apr-Dec	Change	YoY	excl. FX impact
Base	Total Sales	30,002	22,034	+7,967	+36.2%	+27.6%
base	Operating Income	2,242	1,124	+1,118	+99.5%	+86.8%
Primary Labels	Total Sales	9,070	7,025	+2,045	+29.1%	+25.3%
Filliary Labels	Operating Income	673	616	+56	+9.2%	+12.8%
Eliminations	Operating Income	58	63	-4	-7.6%	-7.6%
Total	Total Sales	39,072	29,059	+10,013	+34.5%	+27.0%
lutai	Operating Income	2,975	1,804	+1,170	+64.9%	+58.2%



Breakdown by Region: The Americas



Base business: Printers in the brisk U.S. retail market drove sales higher.

OI decreased due to increase in cost of label materials.

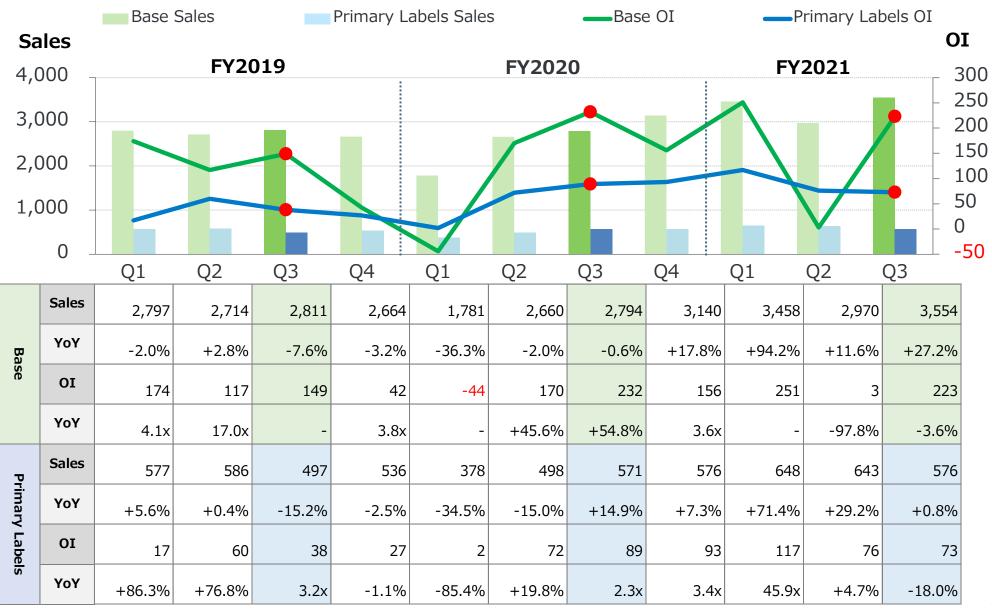
Primary Labels business: Sales were flat. OI decreased mainly due to cost increases.

		FY2021	FY2020	Change		
		Oct-Dec	Oct-Dec	Change	YoY	excl. FX impact
Base	Total Sales	3,554	2,794	+759	+27.2%	+18.0%
base	Operating Income	223	232	-8	-3.6%	-9.5%
Primary Labels · Achernar	Total Sales	576	571	+4	+0.8%	+3.7%
· Prakolar	Operating Income	73	89	-16	-18.0%	-9.4%
Total	Total Sales	4,131	3,366	+764	+22.7%	+15.5%
lotai	Operating Income	297	322	-24	-7.6%	-9.4%

		FY2021	FY2020	Chara and		
		Apr-Dec	Apr-Dec	Change	YoY	excl. FX impact
Base	Total Sales	9,983	7,236	+2,746	+38.0%	+32.4%
base	Operating Income	479	358	+120	+33.7%	+29.7%
Primary Labels · Achernar	Total Sales	1,869	1,448	+420	+29.0%	+36.7%
· Prakolar	Operating Income	267	165	+101	+61.7%	+88.2%
Total	Total Sales	11,852	8,685	+3,167	+36.5%	+33.1%
Total	Operating Income	746	523	+222	+42.6%	+48.2%



The Americas: Quarterly Sales & OI



Breakdown by Region: Europe



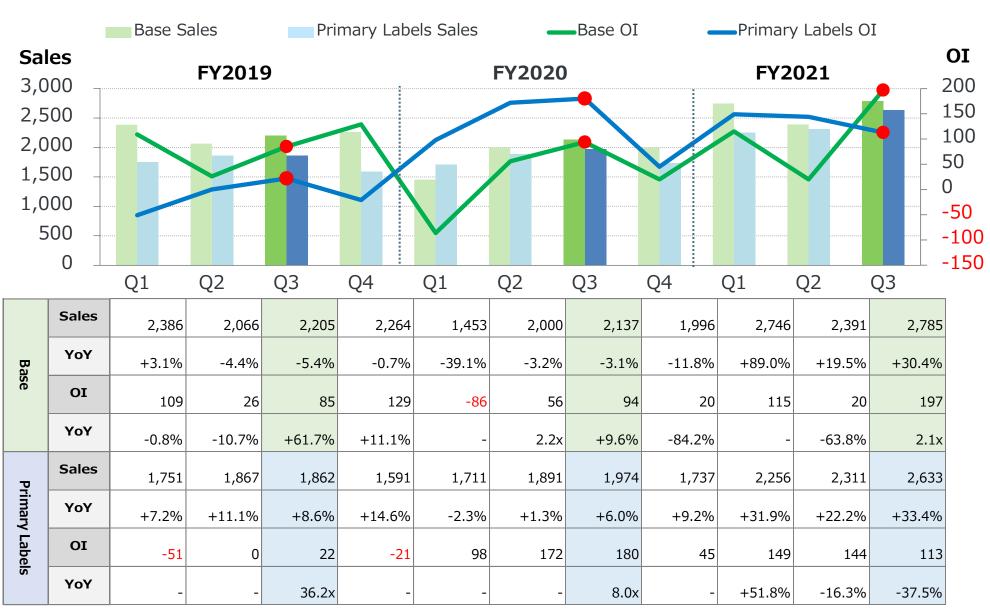
Base business: Sales increased due to continued focus on strong industries such as supermarkets and restaurants. OI increased in line with sales, absorbing increase in costs.

Primary Labels business: Sales increased due to deeper cultivation of existing businesses in food and beverages at Okil in Russia. OI decreased due to the impact of rising costs including paper materials and labor, in accordance with business expansion.

		FY2021	FY2020			
		Oct-Dec	Oct-Dec	Change	YoY	excl. FX
						impact
Base	Total Sales	2,785	2,137	+648	+30.4%	+23.2%
base	Operating Income	197	94	+103	2.1x	2.0x
Primary Labels	Total Sales	2,633	1,974	+658	+33.4%	+17.2%
· Okil						
· X-Pack	Operating Income	113	180	-67	-37.5%	-47.2%
Total	Total Sales	5,419	4,111	+1,307	+31.8%	+20.3%
i Otai	Operating Income	310	274	+35	+13.1%	+3.3%

	FY2021 FY20		FY2020	Y2020				
		Apr-Dec	Apr-Dec	Change	YoY	excl. FX impact		
Base	Total Sales	7,924	5,591	+2,333	+41.7%	+31.5%		
Dasc	Operating Income	334	64	+270	5.2x	4.9x		
Primary Labels · Okil	Total Sales	7,201	5,576	+1,624	+29.1%	+22.3%		
· X-Pack	Operating Income	406	451	-45	-10.0%	-14.8%		
Total	Total Sales	15,126	11,167	+3,958	+35.4%	+26.9%		
lotai	Operating Income	740	515	+225	+43.7%	+35.8%		

Europe: Quarterly Sales & OI



Total Sales

Operating

Income

Breakdown by Region: Asia/Oceania



Base business: Sales increased at almost all sales subsidiaries, driven particularly by the one in China.

OI increased in line with sales offsetting factory profit decline behind higher costs of printer components.

		FY2021 Oct-Dec	FY2020 Oct-Dec	Change YoY		excl.FX
					101	Impact
Base	Total Sales	4,238	3,567	+670	+18.8%	+9.6%
	Operating Income	478	401	+77	+19.2%	+9.4%
		FY2021	FY2020	Change		
		Apr-Dec	Apr-Dec	Silarige	YoY	excl.FX Impact

9,206

701

+2,887

+727

+31.4%

2.0x

12,093

1,429

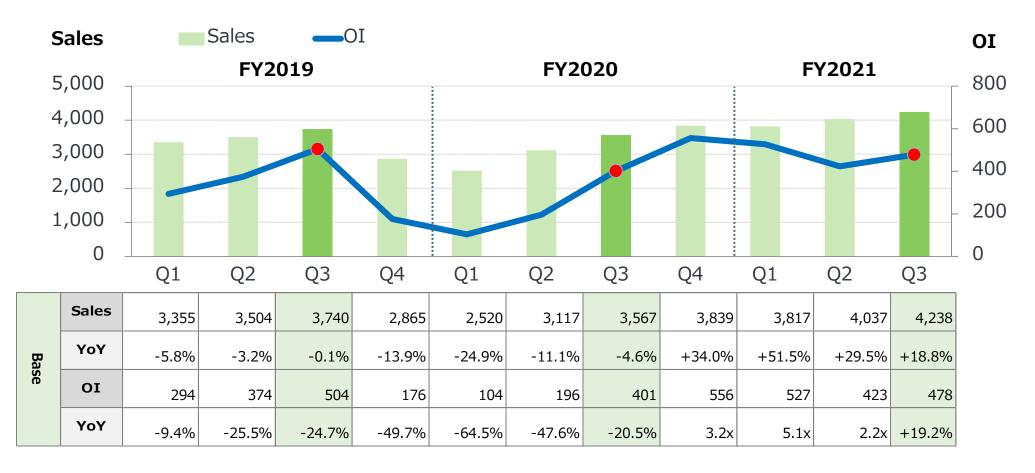


Base

+21.4%

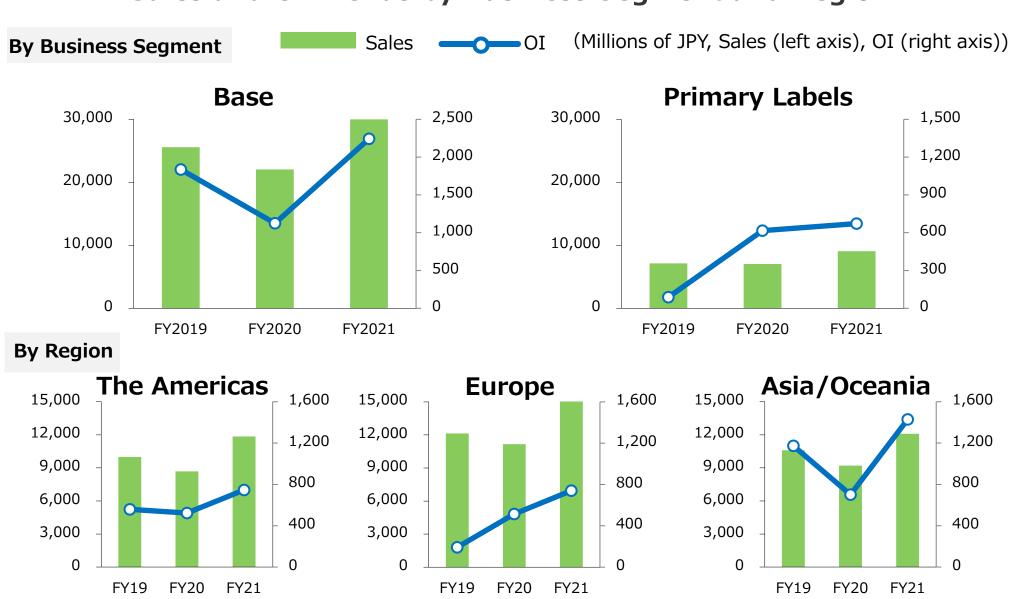
+88.1%

Asia/Oceania: Quarterly Sales & OI





Sales and OI Trends by Business Segment and Region



Auto-ID Solutions Business (Japan)

Overview

Oct-Dec Sales were flat. Continued recovery in manufacturing and logistics off-set the loss of large orders seen last FY in retail. Market mix improved, but OI declined due to higher costs for materials, components and shipping along with growth investments.

(Millions of JPY)

	FY2021	FY2020	Change	
	Oct-Dec	Oct-Dec	Change	YoY
Mechatronics Sales	6,933	7,027	-94	-1.3%
Consumables Sales	11,417	11,325	+92	+0.8%
Total Sales	18,337	18,352	-14	-0.1%
Gross Profit	8,453	8,662	-209	-2.4%
Gross Profit %	46.1%	47.2%	-1.1pt	-
Operating Income	801	1,170	-368	-31.5%
Operating Income %	4.4%	6.4%	-2.0pt	_
	FY2021	FY2020	Change	
	Apr-Dec	Apr-Dec	Change	YoY
Mechatronics Sales	21,010	19,524	+1,485	+7.6%
Consumables Sales	32,349	30,551	+1,798	+5.9%

FYZUZI	FYZUZU	Change	
Apr-Dec	Apr-Dec	Change	YoY
21,010	19,524	+1,485	+7.6%
32,349	30,551	+1,798	+5.9%
53,315	50,075	+3,239	+6.5%
24,903	23,616	+1,287	+5.5%
46.7%	47.2%	-0.5pt	-
1,690	2,018	-327	-16.2%
3.2%	4.0%	-0.9pt	_
	Apr-Dec 21,010 32,349 53,315 24,903 46.7% 1,690	Apr-DecApr-Dec21,01019,52432,34930,55153,31550,07524,90323,61646.7%47.2%1,6902,018	Apr-Dec Apr-Dec Change 21,010 19,524 +1,485 32,349 30,551 +1,798 53,315 50,075 +3,239 24,903 23,616 +1,287 46.7% 47.2% -0.5pt 1,690 2,018 -327

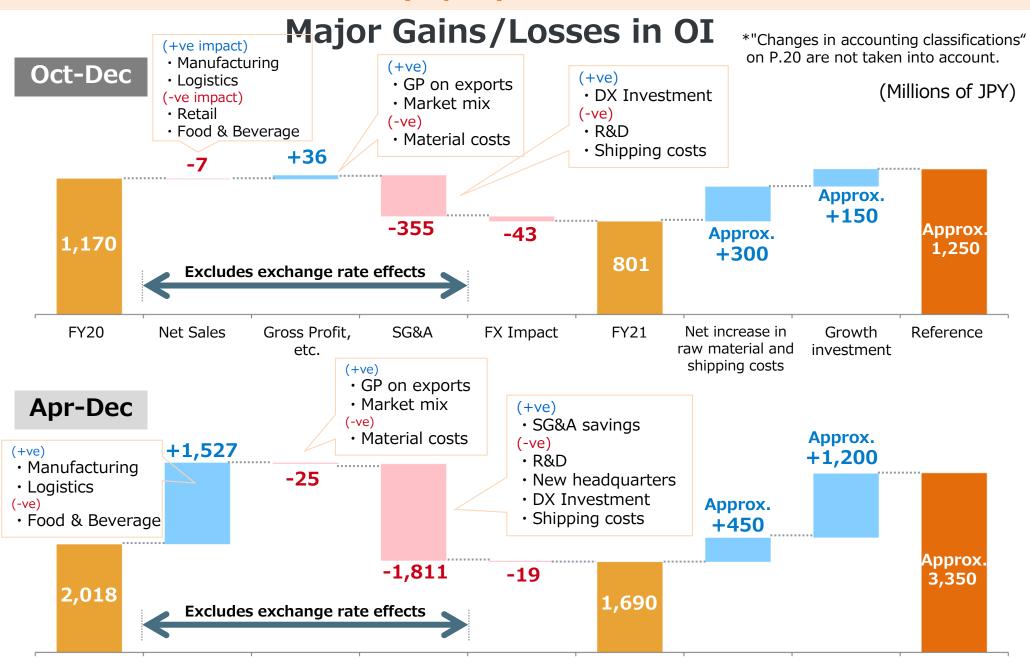
Mechatronics: Hardware (e.g., printers, automatic labelers, scanners, hand labelers), software and maintenance services.

Consumables: Products such as variable information labels, RFID tags, primary labels (product labels) and ribbons.

Note 1: Total Sales is sum of mechatronics, consumables, and others.

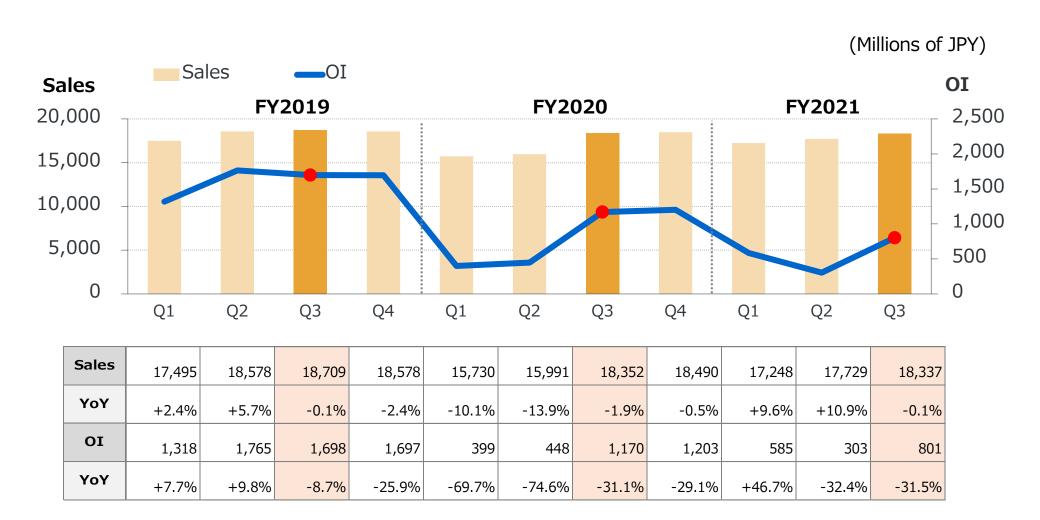
Note 2: Changes in accounting classifications of maintenance related costs from SG&A to COGS lead to lower GPM.

Auto-ID Solutions Business (Japan)



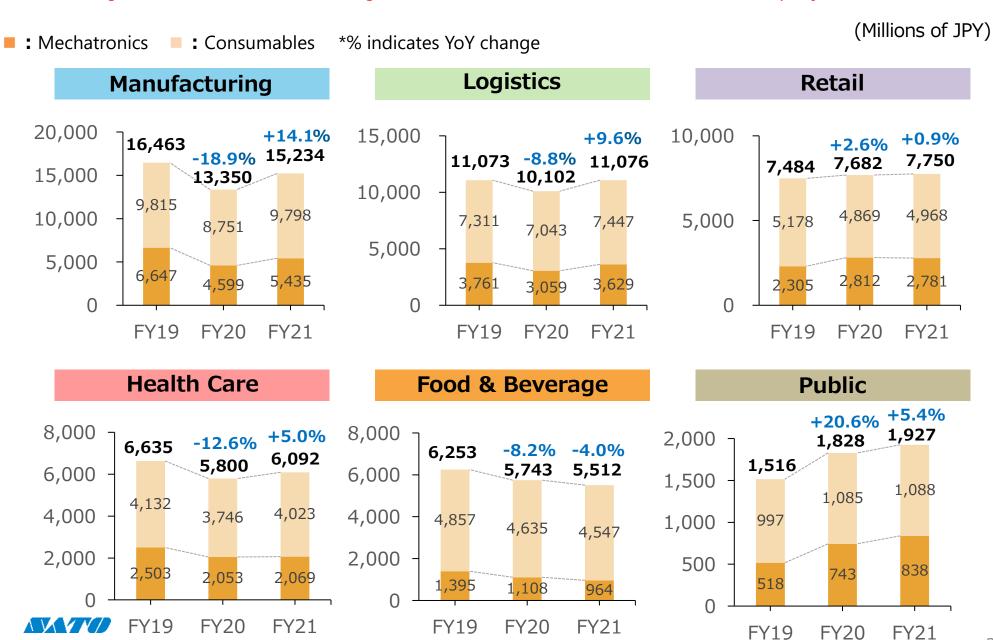
Auto-ID Solutions Business (Japan)

Quarterly Sales & OI





N.B.: Market segmentation revised in FY2021. Figures for FY2019 and FY2020 have been retroactively adjusted.



: Consumables

FY21

Sales by Vertical 1/2



(Millions of JPY)



: Mechatronics

5,452

3,298

2,154

FY19

-9.0%

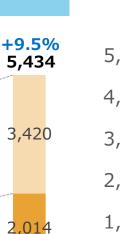
4,964

3,256

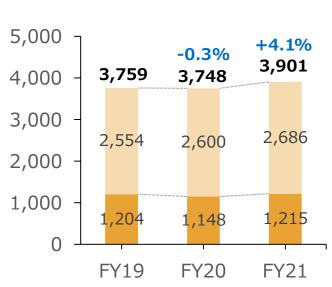
1,708

FY20

*% indicates YoY change



Logistics



+12.8% 3,000 2,814 -13.6% 2,494 2,430 2,000 1,812 1,776 1,761

1,000

Retail

1,002 717 669 0 FY20 FY21 **FY19** Despite a pause in growth at

Business environment

6,000

4,000

2,000

0

Increased demand for semiconductors propelled chemical and electronic component industries. Meanwhile, production in the automobile and steel industries has been stagnant.

Various industries took advantage of continued expansion of EC and stayhome demand. Demand continued to grow for automation and DX.

supermarkets, investments for DX, efficiency, and EC continued. EC industry remained brisk.

SATO performance

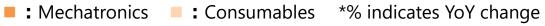
Consumables grew, driven by betterperforming industries. In mechatronics, RFID sales were strong in response to labor shortages and shift to DX (Digital Transformation). Recovery continued.

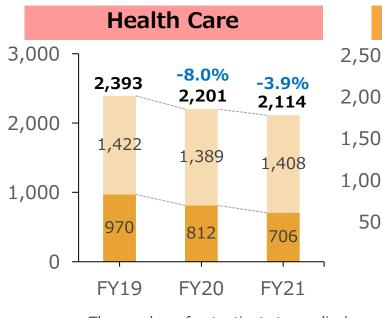
Consumables grew with increased volume in almost all industries. Mechatronics sales continued to grow thanks to demand for shipping process automation and DX in managing shipping processes with RFID.

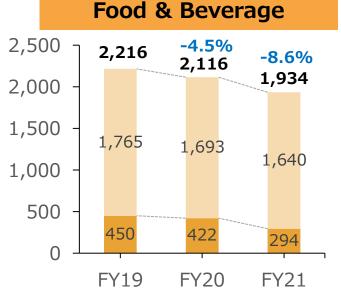
Consumables declined slightly due to a pause in stay-home related demand growth at supermarkets. Despite ongoing needs to address labor shortages, mechatronics declined due to absence of large orders seen last FY.

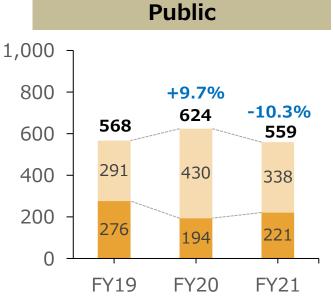
Sales by Vertical 2/2

(Millions of JPY)









The number of outpatients to medical institutions remained almost unchanged. **Business** Demand remained firm overall, including improvements in management efficiency and measures to address labor shortages. Demand continued to stay strong for traceability and operational efficiency against the backdrop of legal compliance, higher quality control awareness, and labor shortages.

The overall business environment remained stable.

SATO performance

environ-

ment

Consumables rose slightly along with a recovery in demand from manufacturers of medical devices and pharmaceuticals. Mechatronics sales decreased due to restrictions on sales activities and printer supply constraints caused by the pandemic.

Consumables declined due to a pause in stay-home related demand growth for the food industry. Despite the recovery in restaurants, mechatronics declined due to the absence of large orders in food manufacturing seen last FY.

Consumables demand generally remained at the same level as in FY20 but declined due to lack of a large-scale project seen last FY. Mechatronics grew strongly due to orders from large customers.



Consolidated

Operating Income Impact (Gross Profit)

Costs to precede impacts of countermeasures. Total impact expected to turn positive in 2H of FY22.

* Large: JPY 500 million or more, Medium: JPY 300-500 million,

Small: JPY 300 million

	F) (21 - 01 - 02 - 1	Sitiali. JPT 300 IIIIIII0II
Negative Positive (countermeasures)	FY21 Q1~Q3 (Results)	FY21 Q4 (Forecast) *
Printers Higher manufacturing costs	Approx. JPY 550 mil.	Medium
Rising costs of raw materials	Approx. JPY 600 mil.	Medium
Printers Pass on costs, reduce costs		Small
Labels Pass on costs, reduce costs	Approx. JPY 400 mil.	Small
Expand sales of high-value added solutions and printers		Medium
	FY21	FY22
+ Total impact Neutral		

Consolidated

Operating Income Impact (SG&A)

Costs to precede impacts of countermeasures. Total impact expected to turn positive in 1H of FY22.

* Large: JPY 500 million or more, Medium: JPY 300-500 million,

Small: JPY 300 million

Negative Positive (countermeasures)	FY21 Q1~Q3 (Results)	FY21 Q4 (Forecast) *
Printers Higher shipping costs	Approx. JPY 300 mil.	Small
Higher R&D costs with expansion of strategic investment scope	Approx. JPY 550 mil.	Small
Optimize SG&A expenses	Approx. JPY 200 mil.	Small





FY2021 Consolidated Forecasts

(Millions of JPY)

Figures in parentheses are	Apr-Dec		Jan-Mar		FY2021	
initial plans.	Results	YoY	Targets	YoY	Targets	YoY
Net Sales	92,388	+16.5%	29,611	-0.6%	122,000 (117,000)	+11.9%
Operating Income	4,743	+25.6%	1,656	-20.0%	6,400	+9.4%
Ordinary Income	4,610	+32.9%	1,589	-22.5%	6,200	+12.3%
Profit attributable to owners of parent	2,952	-74.6%	1,047	-22.7%	4,000	-69.1%

<Reference>

EBITDA* 10,163 ←FY2020

10,800 +6.3%

Depreciation + Amortization

Exchange rates assumed in FY21 forecast: JPY 110/USD, JPY 131/EUR

Average exchange rates for Apr-Dec 2021: JPY 111.13/USD, JPY 130.59/EUR

Average exchange rates for FY20 : JPY 106.10/USD, JPY 123.75/EUR

^{*} EBITDA=Operating Income +

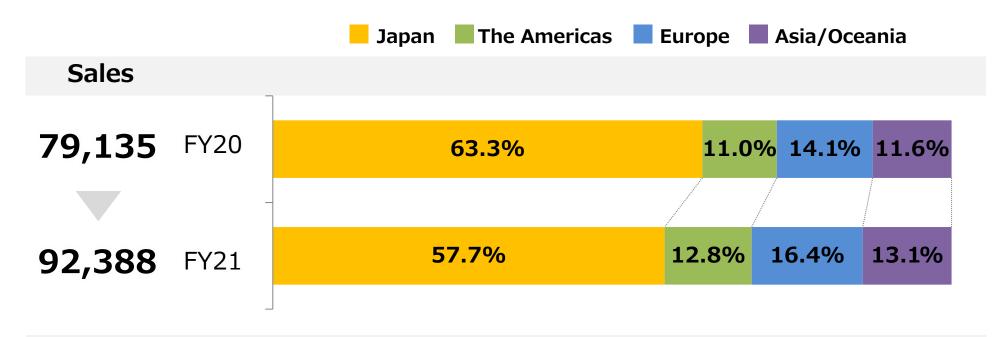
Appendix

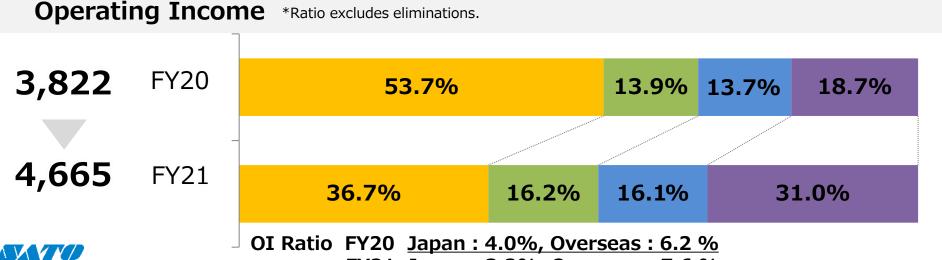
Performance data Pages 30-33

SATO terminologies Pages 34-37

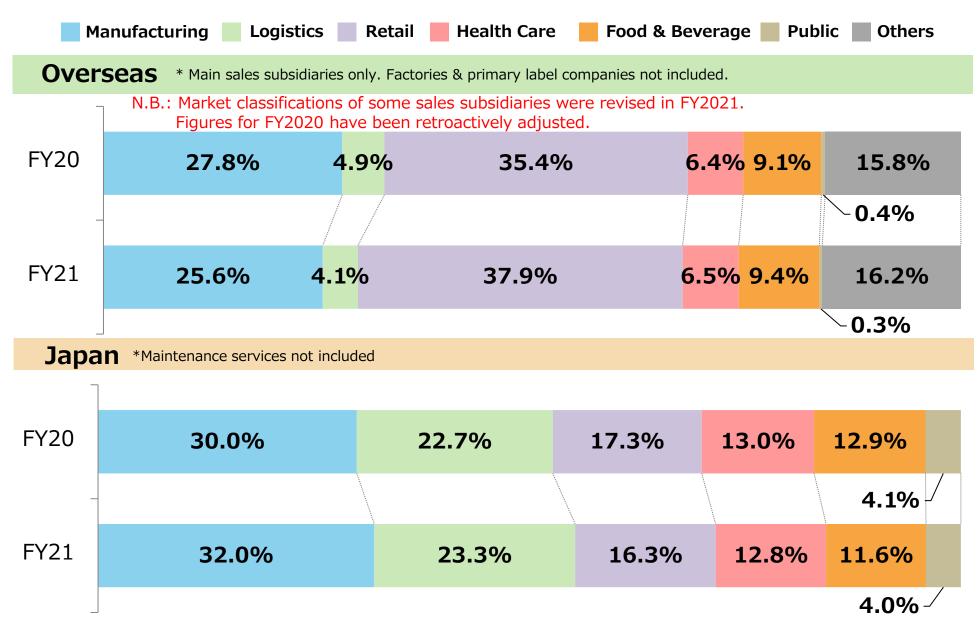






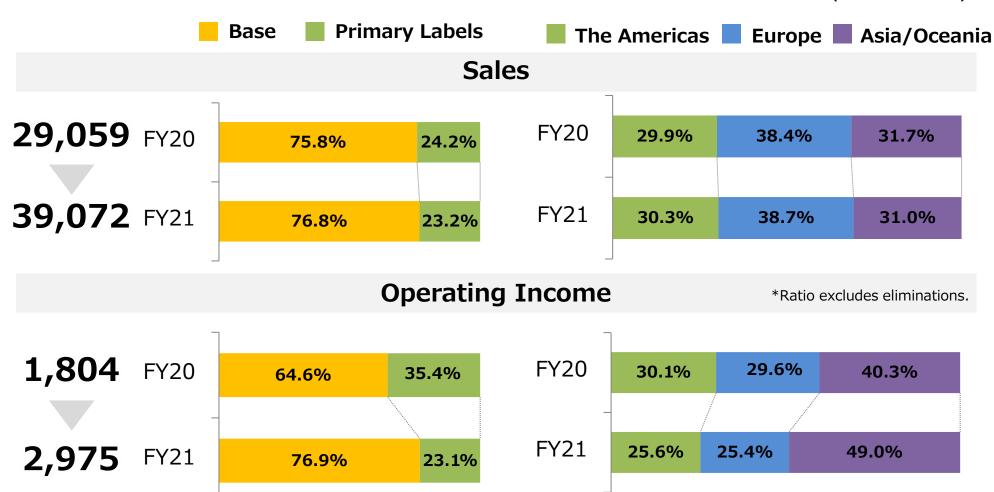


Sales by Vertical



Sales and OI by Business Segment/Region

(Millions of JPY)



OI ratio: FY20 Base: 5.1%, Primary Labels: 8.8%

FY21 Base: 7.5%, Primary Labels: 7.4%

FY20 <u>The Americas : 6.0%, Europe : 4.6%,</u>

Asia/Oceania: 7.6%

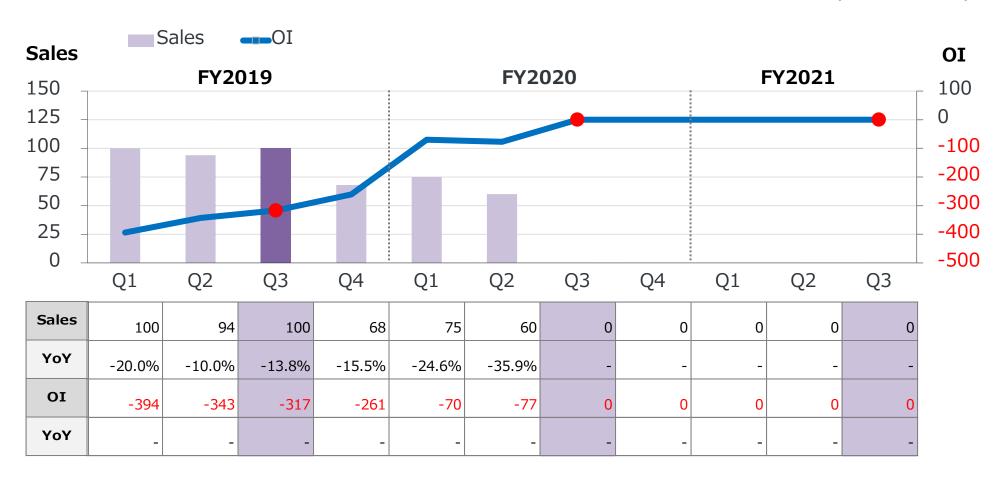
FY21 The Americas: 6.3%, Europe: 4.9%,

Asia/Oceania: 11.8%



IDP Business

Quarterly Sales & OI





(*) Underlined terms are described under its own heading

	SATO-unique business	Decering tion *
	concepts/initiatives	Description*
1	Auto-ID Solutions business	Our business that carries out <u>DCS & Labeling +One</u> . It is specifically about integrating barcode printers/labels, software and services designed in-house with products and technologies from partners to resolve customers' worksite issues. This business is separated into Overseas and Japan segments, with the former comprised of the <u>Base</u> and the <u>Primary Labels businesses</u> .
2	Base business	Business of <u>tagging</u> variable information, such as prices, manufactured dates and expiration dates in the form of barcodes and more.
3	Primary Labels business	Overseas business of <u>tagging</u> fixed information via product labels and other media. This business operates from SATO Group companies; <u>Achernar</u> (Argentina), <u>Prakolar</u> (Brazil), <u>Okil</u> (Russia) and <u>X-Pack</u> (Russia).
4	IDP business	Develops, manufactures and sells materials used mainly in Inline Digital Printing (IDP). SATO Holdings transferred all shares of SATO consolidated subsidiary DataLase Ltd. that conducted the business to DataLase Holdings Limited in September 2020. IDP is a direct marking technology comprised of a special heat-sensitive pigment that can be applied as a coating to virtually any substrate and exposed to a laser beam to create a color change.
5	Koto-uri (Selling the solution, not the product)	Sales approach of selling not the product but combinations of products in the form of solutions that include hardware, <u>consumables</u> , maintenance services and software, together with ROI and other value propositions for the customer. The opposite concept of "Mono-uri", or selling single products.
6	Tagging	The process of physically attaching to something data that identifies and/or locates it. This involves digitizing information of the things it is tagged to so that the tagged data can be fed to and processed by core IT systems. This concept, connecting people and things with information, has remained central to SATO's business, ever since our days of pioneering in hand labelers that attached price and other information to products.
7	DCS & Labeling +One (DCS: Data Collection Systems)	SATO's business model that incorporates auto-ID technology (such as barcodes and RFID) with barcode printers and labels/labeling services to (a) systematically collect data on people and things at business sites and (b) offer tagging/labeling of information, using accurate, efficient and optimized solutions. In line with increasingly sophisticated user needs, SATO also pursues a policy of open innovation and partnerships to provide value-added "+One" technologies such as image/voice recognition, location tracking and sensors to its legacy business model to better solve customer challenges.

SATO terminologies (2/4)

	SATO-unique business concepts/initiatives	Description
8	Tagging for Sustainability	Business model set as the next stage of <u>DCS & Labeling</u> that aims to resolve customers' operational and societal challenges geared toward achieving a sustainable world. Shaped using new technologies and media not limited to labels that innovate our traditional domain of <u>tagging</u> .
9	Genbaryoku	Our core competency of going to customer sites to understand their operations and identify the essence of issues to offer optimized solutions. It is our ability to (1) address a wide range of market, industry and application needs with our expertise in sites of operations, (2) integrate products, services and technologies into solutions, working together with strategic partners, and (3) offer maintenance services and solutions continuously to build trust and establish lasting relationships with customers.
10	Teiho	SATO's unique system of reports and proposals in effect since 1976. Employees share new information and ideas they come across on-site every day with top management via the Teiho system. Teiho helps top management gain immediate insight into the internal/external business situation to facilitate quick decision-making and execution of initiatives, while allowing "participation by all" in the management of the company. As Teiho reports are directly addressed to top management, it is also an effective means of compliance monitoring to prevent malpractice and other inappropriate behavior and assist in corporate governance. Some of our global offices have also started Teiho, with more to follow.
	Products, services, Technologies	Description
1	Mechatronics	All products that are not <u>consumables</u> , including hardware (e.g., printers, automatic labelers, scanners, hand labelers), software and maintenance services. They generate higher gross profit margin than <u>consumables</u> . Printers are manufactured in Malaysia, Vietnam and Taiwan.
2	Consumables	"Consumable" products such as <u>variable information labels</u> , <u>RFID</u> tags, primary labels (product labels) and ribbons. They generate lower gross profit margin than <u>mechatronics</u> but incur low SG&A expenses ratio as they are typically sold through recurring business.



SATO terminologies (3/4)

	Products, services, technologies	Description
3	Auto-ID Solutions	Combination of products such as printers, labels, software and maintenance services using auto-ID technologies to carry out DCS & Labeling +One . To meet ever complex and diverse customer challenges, SATO also looks beyond its own resources and interests by pursuing partnerships, for example, to enable location technologies to track items by tags and inventory/worker movements in real time for managing manufacturing processes and visualizing productivity on-site.
4	SOS (SATO Online Services)	A cloud-based monitoring service for printers that enables preventative maintenance and on-the-spot troubleshooting. With SOS, users can view the status of their cloud-connected printers at a glance and manage them centrally with ease, while SATO can increase productivity of its service personnel, allowing for even small service teams (as is often the case overseas) to provide improved support.
5	AEP (Application Enabled Printing)	A powerful on-board intelligence which enables customization of printer operation. Printers can link to other systems on a stand-alone basis, without going through any computers.
6	Variable information labels	Blank or pre-printed labels used to print information elements such as barcode, product price and manufactured or expiry date that vary with every customer's site of operation. Unlike fixed information labels that are identical and printed at large quantities in a single run, variable information labels can be printed ondemand as and when needed.
7	RFID (Radio Frequency Identification)	A type of auto-ID technology that uses radio waves to read/write data from/to an RFID tag without making contact. RFID offers faster read rates (from reading multiple tags at the same time) and greater read range than traditional barcode technology. Also, unlike barcodes, RFID tags can be read when covered by another object or stained, and are read/write-capable to enable updates to the encoded data. Because of these key benefits, RFID can significantly improve operational efficiency.



SATO terminologies (4/4)

	Key acquisitions since 2012	Description
1	Argox Information Co., Ltd. (Taiwan)	[2012] Company engaging in the development, production and sales of entry level printers.
2	Achernar S.A. (Argentina)	[2012] Company specializing in primary labels.
3	Magellan Technology Pty Ltd. (Australia)	[2013] Company from which SATO acquired its business including PJM (Phase Jitter Modulation), a highly superior RFID technology that can quickly and accurately identify large volumes of tagged items stacked or stored in any physical orientation even in the presence of metals and liquids. Now SATO Vicinity Pty Ltd.
4	Okil-Holding, JSC (Russia)	[2014] Primary labels company in which SATO acquired 75% ownership stake. X-Pack is affiliated with Okil.
5	Prakolar Rótulos Autoadesivos LTDA. (Brazil)	[2015] Company specializing in primary labels.
	Overseas subsidiaries founded after 2017	Description
1	X-Pack (Russia)	[2017] A subsidiary producing and selling shrink sleeves, in-mould labels and soft packages in <u>Primary</u> <u>Labels business</u> , owned 60% by SATO Holdings.
2	SATO Productivity Solutions Mexico S.A. de C.V.	[2019] A sales subsidiary, mainly focusing on automobile industry, owned nearly 100% by SATO Holdings.



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