

TSE Prime Market

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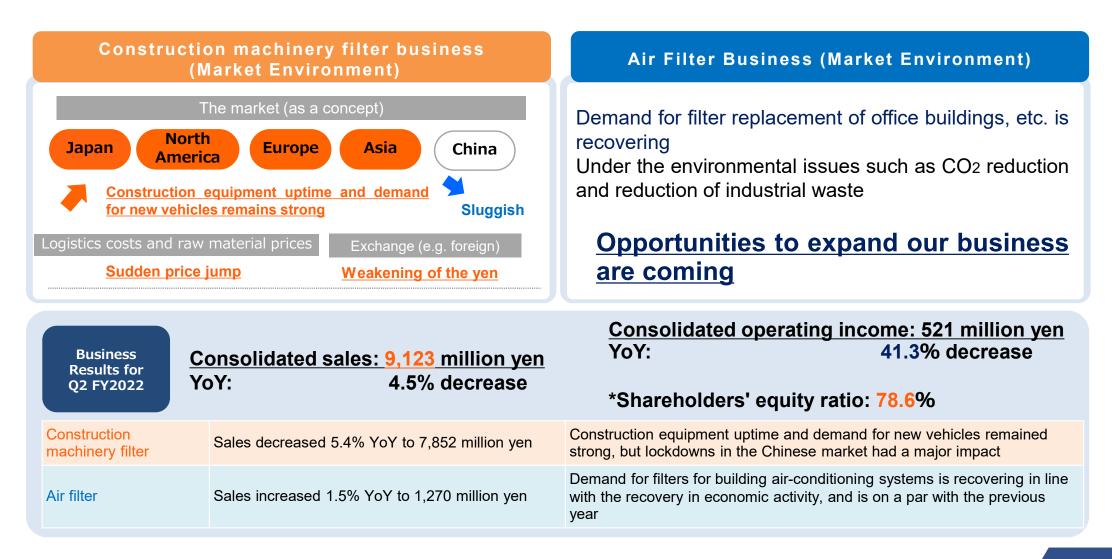


YAMASHIN-FILTER CORP. Financial Results for the Second Quarter of the Fiscal Year Ended March 31, 2023

November 18, 2022



• While sales and income decreased due to various factors such as lockdown in China, high marine transportation costs, soaring raw material costs, and rapid depreciation of the yen, profitability steadily improved through price pass-on and cost improvement





- Construction equipment market remains firm
- Earnings are expected to improve due to price pass-through, and full-year forecasts have been revised upward.

F	Full-Year orecasts r FY2022	Consolidated sales: ¥19,230 million Compared to the previous announcement: 8.0% increase in sales	Consolidated operating income: ¥ 1,380 million (7.2%) Compared to the previous announcement: 97.1% increase EPS ¥11.9 ROIC 3.8%		
	struction hinery filter	Compared to the previous announcement: 10.2% increase in sales 16,530 million	Construction equipment uptime and new vehicle demand remained strong outside of China. Profitability is expected to improve due to the promotion of price shifting.		
Air filter		Sales down 3.6% from the previous announcement: 2.7 billion yen	Profitability is expected to improve due to cost improvement and price shifting.		



Further strengthening of sales capacity

Construction machinery filter business Promote business by taking advantage of the solid business environment

- Expanding adoption of high-value-added filter products utilizing new nanofiber materials and loT technologies
- Promote filter sales of YAMASHIN NANO FILTER[®] material launched in April 2022
- Application of construction machinery filter technology to other fields

Air filter business

Capture new market share with new product NanoWHELP[®].

SDGs Initiatives and Business portfolio expansion at the same time

YAMASHIN NANO FILTER[®] expansion of market area as industrial materials

Profit Improvement Initiatives

 Construction machinery filter business Responding to the drastically changing external environment

Promotion of price pass-on to customers

 Passing on prices to customers as a countermeasure against soaring raw material and logistics costs

Restructuring and strengthening the value chain

- Stabilization of procurement of key raw materials
- Started reviewing supply chain by operating YVC (Vietnam Plant)

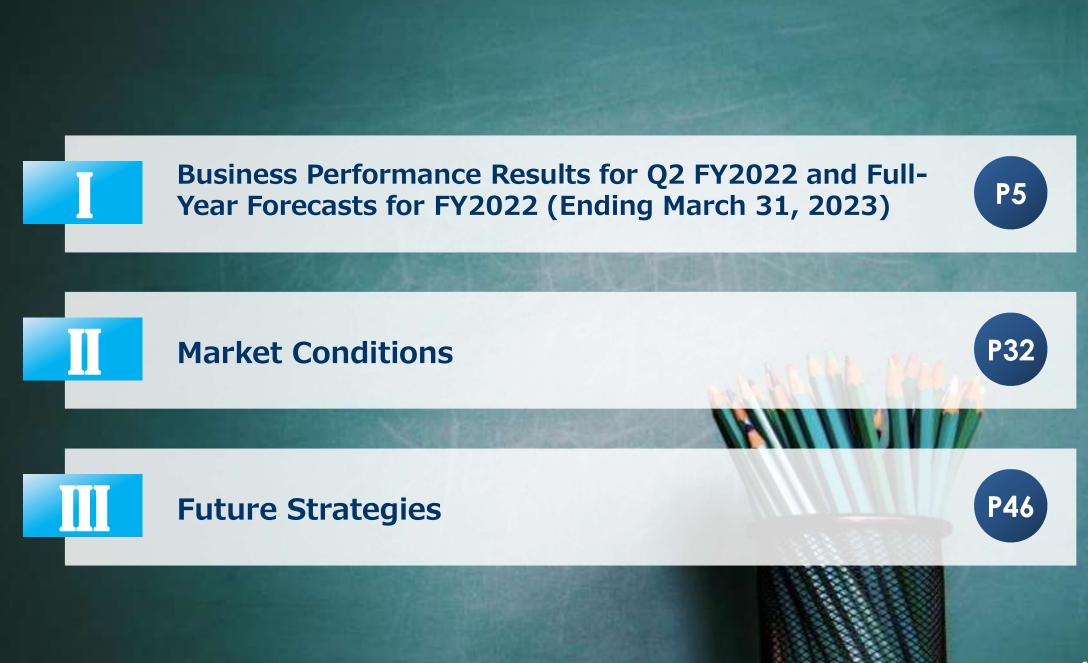
Measures to cope with exchange rate fluctuations

 Aggressive use of derivatives transactions, etc. to mitigate the impact of sharp exchange rate fluctuations on business results

• Air filter business

Improve profitability through higher productivity





JBUSINESS PERFORMANCE RESULTS FOR Q2 FY2022 AND
FULL-YEAR FORECASTS FOR FY2022 (ENDING MARCH 31, 2023)

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Business Performance Results for Q2 FY2022 (Jul 2022 to Sep 2022)

Q2 FY2022 Financial Results (2022 Jul to Sep)



		Q2 FY2021 Results	Q2 FY2022 Results	Diffe	rence	
(million yen)			Amount	Amount	Amount	%
Net sales			4,870	4,953	82	1.7%
Cons etc.*		chinery filters,	4,256	4,319	63	1.5%.
Air fi	filters		613	633	19	3.2%
Operating income (se	egment incor	ne)	546	427	△119	△21.8%
Cons etc.*		chinery filters,	583	423	△160	△ 27.4%
Air fi	filters		∆37	3	40	-
Operating income ma	argin		11.2%	8.6%	∆2.6Pt	
Ordinary profit			541	400	△140	△ 26.0%
Ordinary profit margi	gin		11.1%	8.1%	∆3.0Pt	
Net income			120	259	138	115.6%
Net income margin	Net income margin		2.5%	5.2%	2.8%	
Exchange rates (USD		109.8	133.9	24.2	22.0%
Exchange rates ((ave.)	EUR	130.9	138.7	7.8	6.0%

* "Construction machinery filters" includes filters for construction machinery, industrial use and process use.

* The healthcare business is included in the product lineup of the construction machinery filter business from the fiscal year ending March 31, 2022, to reflect the degree of impact on YAMASHIN's performance.

* With respect to operating income for the fiscal year ending March 31, 2022, general and administrative expenses and other expenses of the administrative divisions of the head office and subsidiaries, which were separately presented as corporate expenses, are included in the operating income of each segment.



(million y	en)	FY2021	Q2 FY2022	Change (Amount)	Change (%)		FY20
Current a	ssets	13,964	13,999	34	0.2%	Current liabilities	4
Cash and	deposits	3,750	3,970	219	5.9%	Notes and accounts payable-trade	2
Notes and receivable		4,696	4,653	△ 42	△ 0.9%	Corporate bonds payable within one year and short-term loans payable	
	dise and oods, Raw and Supplies	4,775	5,102	327	6.8%	Other	2
Other		742	272	△ 469	△ 63.3%	Fixed liabilities	1
Fixed asse	ets	12,747	12,610	△ 137	△ 1.1%	Corporate bonds and	1
Tangible f	ixed assets	11,609	11,594	△ 15	△ 0.1%	Net defined benefits	
Intangible	e fixed assets	236	177	△ 58	△ 24.9%	Other	
Investmer assets	nts and other	901	838	△ 63	△ 7.0%	Total net assets	20
Total asse	ets	26,712	26,609	△ 102	△ 0.4%	Total of liabilities and net assets	26
						*Shareholders' equity rati	o 77

		-			
		FY2021	Q2 FY2022	Change (Amount)	Change (%)
u	rrent liabilities	4,634	4,397	△ 236	△ 5.1%
	Notes and accounts payable-trade	2,213	1,563	△ 650	△ 29.4%
	Corporate bonds payable within one year and short-term loans payable	403	1,603	1,200	297.5%
	Other	2,016	1,230	△ 786	△ 39.0%
i)	ked liabilities	1,506	1,287	△ 219	△ 14.6%
	Corporate bonds and long-term debt	1,126	924	△ 201	△ 17.9%
	Net defined benefits Liability	232	237	4	1.9%
	Other	147	125	△ 22	△ 15.1%
C	tal net assets	20,571	20,924	353	1.7%
	tal of liabilities d net assets	26,712	26,609	△ 102	△ 0.4%
1	areholders' equity ratio	o 77.0	78.6%		



		Q2 FY2021 Results	Q2 FY2022 Results	Difference		
(million yen)		Amount	Amount	Amount	%	
Construction machiner	y filters	3,737	3,895	157	4.2%	
	Line parts	1,296	1,463	167	12.9%	
	Service parts	2,441	2,431	∆9	△0.4%	
Industrial filters *1		276	198	△78	△28.3%	
Process filters		242	226	△16	△6.7%	
	Subtotal (Construction machinery filters, etc.)		4,319	63	1.5%	
Air filters		613	633	19	3.2%	
То	tal	4,870	4,953	82	1.7%	

*1 The healthcare business is included in the product lineup of the construction machinery filter business from the fiscal year ending March 31, 2022, to reflect the degree of impact on YAMASHIN's performance.

FY2022 Q2 Sales by Region (Jul to Sep)



	Q2 FY		1 Results	Q2 FY202	2 Results	Difference		
(million yen)		Amount	Composition Ratio (%)	Amount	Composition Ratio (%)	Amount	%	
Construction machinery filters, etc. *1*2		4,256	87.4%	4,319	87.2%	63	1.5%	
	Japan	2,013	41.3%	2,123	42.9%	110	5.5%	
	North America	904	18.6%	980	19.8%	76	8.4%	
	China	379	7.8%	356	7.2%	△23	△ 6.1%	
	Other Asian countries	553	11.4%	408	8.2%	△144	△26.2%	
	Europe	406	8.4%	449	9.1%	42	10.4%	
	Others (Middle East, etc.)	-	0.0%	1	0.0%	1	-	
Air	⁻ filters (Japan)	613	12.6%	633	12.8%	19	3.2%	
	Total sales	4,870	100.0%	4,953	100.0%	82	1.7%	

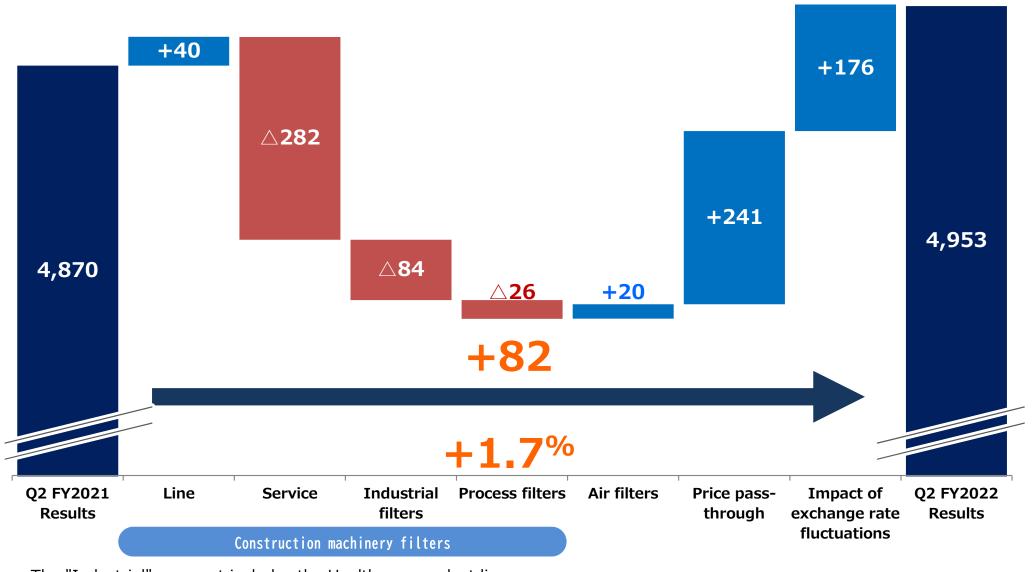
*1 "Construction machinery filters" includes filters for construction machinery, industrial use and process use.

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The above figures by region are based on the billing address.



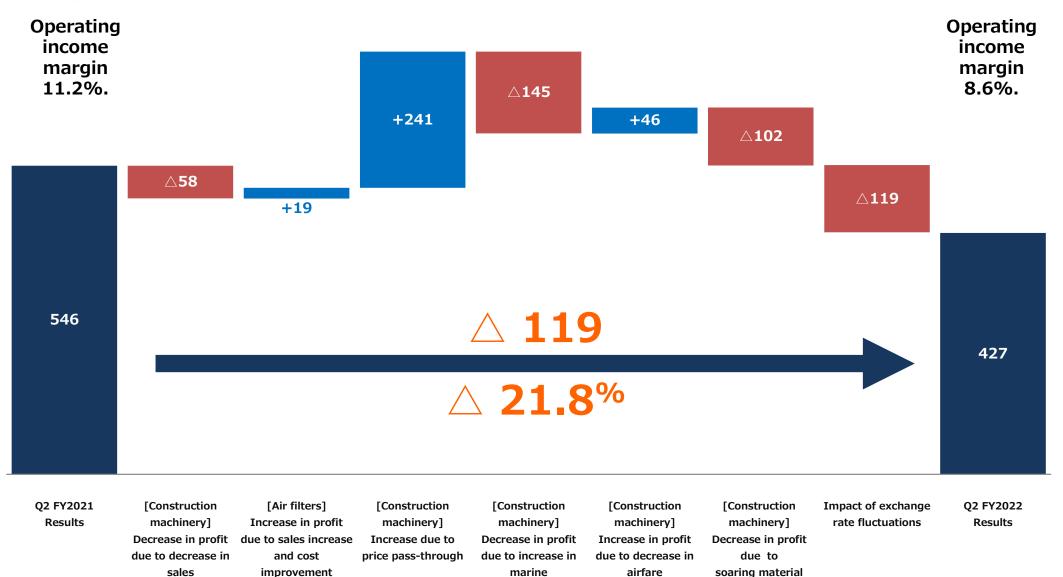
(million yen)



The "Industrial" segment includes the Healthcare product line.

Changes in Operating Income (2022 Jul to Sep)

(million yen)



transportation costs

costs





Business Performance Results for FY2022 YTD (Apr 2022 to Sep 2022)

FY2022 YTD Financial Results (Apr to Sep)



		FY2021 YTD Results	FY2022 YTD Results	Diffe	rence
(million yen)	(million yen)		Amount	Amount	%
Net sales		9,556	9,123	∆433	△4.5%
Construction r etc.*	nachinery filters,	8,304	7,852	∆451	△5.4%
Air filters		1,251	1,270	18	1.5%
Operating income (segment inc	Operating income (segment income)		521	∆366	∆41.3%
Construction r etc.*	nachinery filters,	951	516	∆434	△45.7%
Air filters		△63	4	68	-
Operating income margin		9.3%	5.7%	∆3.6Pt	
Ordinary profit		876	458	△417	△47.7%
Ordinary profit margin		9.2%	5.0%	∆4.1Pt	
Net income		328	271	△57	△ 17.4%
Net income margin	Net income margin		3.0%	∆0.5Pt	
Evenando ratos (ava.)	USD	109.8	133.9	24.2	22.0%
Exchange rates (ave.)	EUR	130.9	138.7	7.8	6.0%

*1 "Construction machinery filters" includes filters for construction machinery, industrial use and process use.

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* With respect to operating income for the fiscal year ending March 31, 2022, general and administrative expenses and other expenses of the administrative divisions of the head office and subsidiaries, which were separately presented as corporate expenses, are included in the operating income of each segment.



(million yen)		FY2021 YTDFY2022 YTDResultsResults		Difference		
		Amount	Amount	Amount	%	
Construction machinery filters *1		7,172	7,032	△140	△2.0%	
	Line parts	2,785	2,763	△22	△0.8%	
	Service parts	4,387	4,268	△118	△2.7%	
Industrial filters	Industrial filters		383	∆317	△45.3%	
Process filters		430	437	6	1.6%	
	total hinery filters, etc.*)	8,304	7,852	∆451	△ 5.4%	
Air filters		1,251	1,270	18	1.5%	
Το	tal	9,556	9,123	△433	△4.5%	

*1 The healthcare business is included in the product lineup of the construction machinery filter business from the fiscal year ending March 31, 2022, to reflect the degree of impact on YAMASHIN's performance.

FY2022 YTD Sales by Product Category (Apr - Sep)



			Q2 FY2021 YTD Results)22 YTD sults	Difference	
(million yen)	Amount	Composition Ratio (%)	Amount	Composition Ratio (%)	Amount	%
	nstruction machinery ters, etc. ^{*1*2}	8,304	86.9%	7,852	86.1%	∆451	△5.4%
	Japan	4,037	42.3%	3,964	43.5%	△73	△1.8%
	North America	1,590	16.6%	1,640	18.0%	49	3.1%
	China	944	9.9%	624	6.9%	∆319	△33.8%
	Other Asian countries	918	9.6%	743	8.1%	△174	△19.1%
	Europe	812	8.5%	875	9.6%	63	7.8%
	Others (Middle East, etc.)	1	0.0%	3	0.0%	2	237.8%
Aiı	r filters (Japan)	1,251	13.1%	1,270	13.9%	18	1.5%
	Total sales	9,556	100.0%	9,123	100.0%	△433	△4.5%

*1 "Construction machinery filters" includes filters for construction machinery, industrial use and process use.

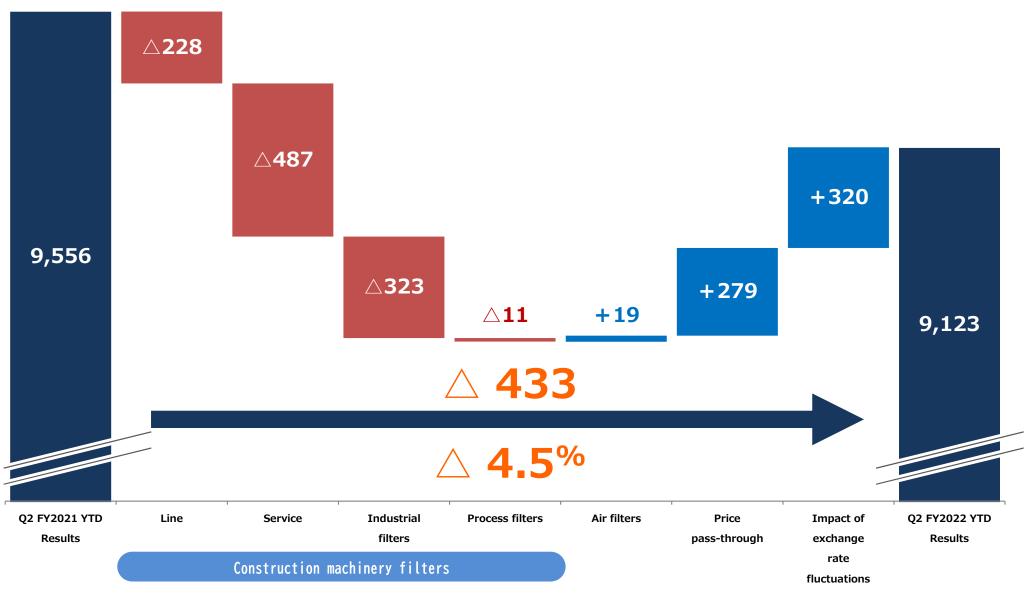
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The above figures by region are based on the billing address.

Changes in Sales (2022 Apr to Sep)



(million yen)

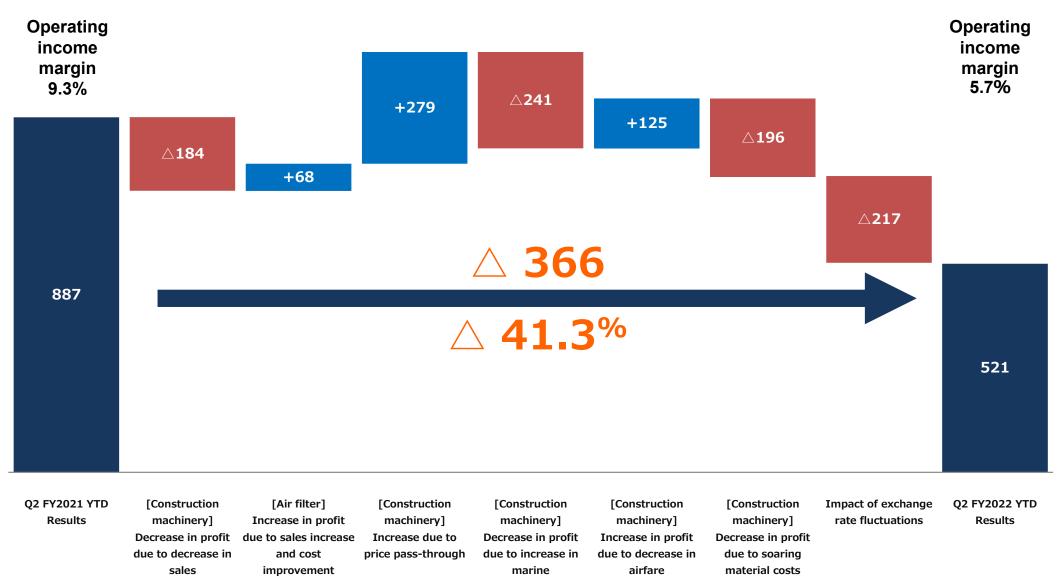


*The "Industrial" segment includes the Healthcare product line.

Changes in Operating Income (2022 Apr to Sep)

The Specialist in Filtration

(million yen)



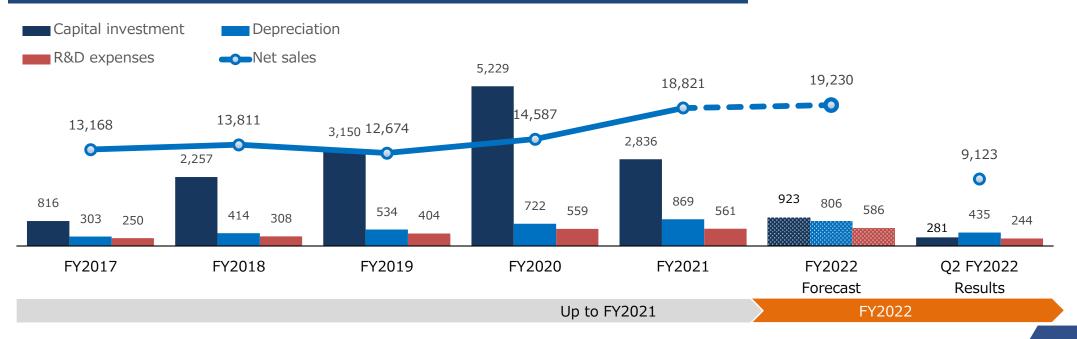
transportation costs

Capital Expenditures, Depreciation and R&D Expenses



	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2022
(million yen)	Results	Results	Results	Results	Results	Forecast	Q2 Results
Net sales	13,168	13,811	12,674	14,587	18,821	19,230	9,123
Capital investment	816	2,257	3,150	5,229	2,836	923	281
Land and building	-	1,588	2,682	3,194	1,488	67	33
Facilities and others	816	669	468	2,036	1,347	855	247
Expense to sales ratio	6.2%	16.3%	24.9%	35.9%	15.1%	4.8%	3.1%
Depreciation and amortization	303	414	534	722	869	806	435
Expense to sales ratio	2.3%	3.0%	4.2%	5.0%	4.6%	4.2%	4.8%
R&D expenses	250	308	404	559	561	586	244
Expense to sales ratio	1.9%	2.2%	3.2%	3.8%	3.0%	3.1%	2.7%

Change in net sales and capital investment and depreciation & amortization & R&D expenses



PAC22



Full Year Progress

Implement comprehensive improvements in production technology, management and systems to strengthen the profit structure





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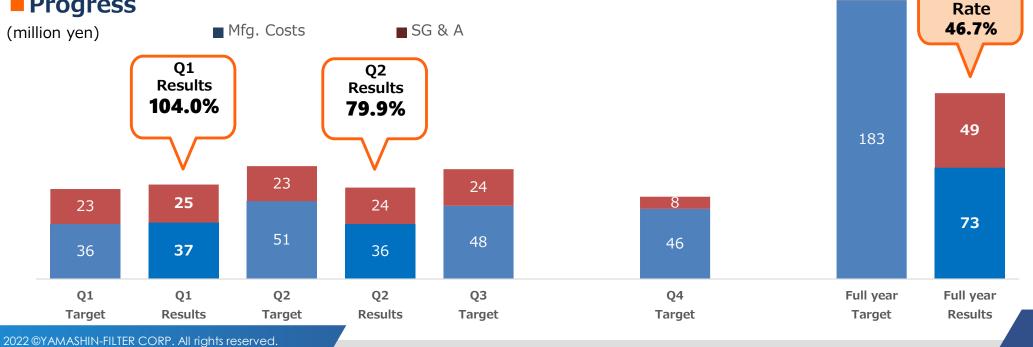
ost reduction 20



Reduction Targets and Results

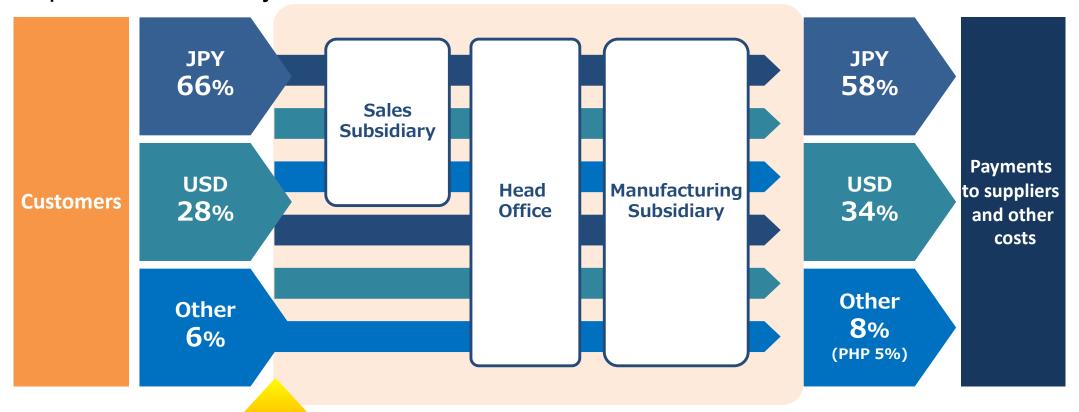
(million y	ren)	Q1 Target	Q1 Actual	Q2 Target	Q2 Actual	Q3 Target	Q4 Target	Regular (Period) Target	
PAC22	Mfg. Costs	36	37	51	36	48	46	183	
	SG & A	23	25	23	24	24	8	80	
Т	otal	60	62	75	60	72	54	263	80

Progress





Negative impact of approx. 217 million yen on operating income due to the rapid depreciation of the yen



70% of transaction currency is JPY.

- Operating income impact of a 1-yen depreciation of the yen would be a decrease of approximately 9 million yen.
- Strengthening of exchange rate marie by reviewing settlement currency, and reduce negative impact on operating income through forward exchange contracts, etc.



Target figures are set at each department (administrative and other operation departments) to achieve the overall company target for MAVYS.

What is MAY'S? (ROIC - WACC)

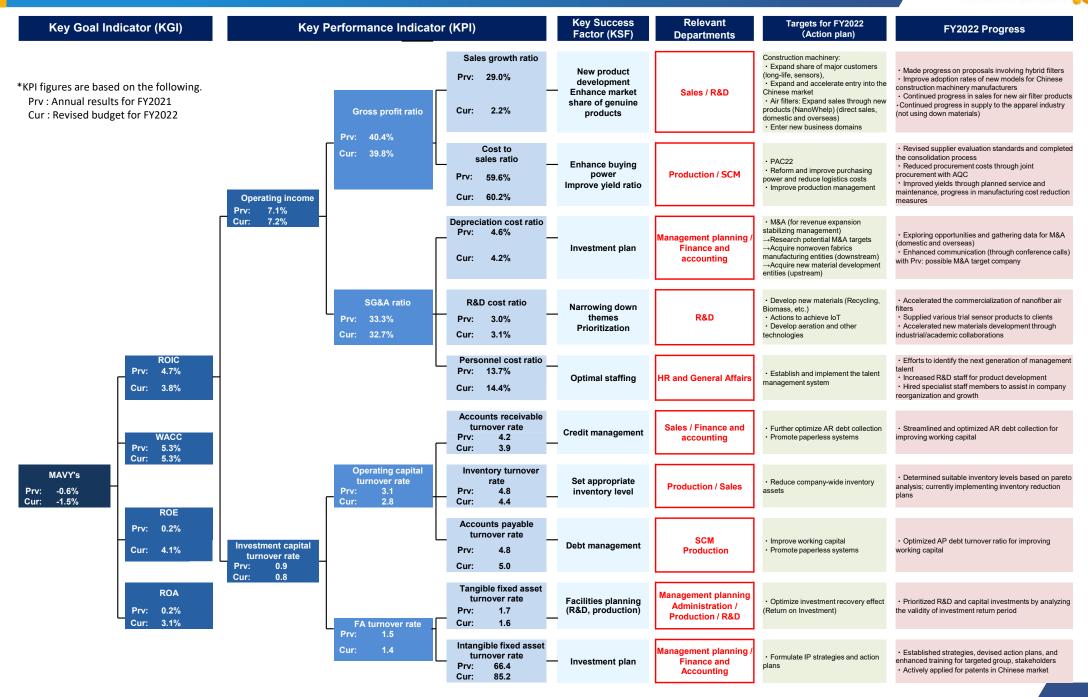
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The key goal indicator (KGI), based on which each relevant department sets its KPIs and KSFs, and works on measures to attain targets, with the goal of maximizing return on invested capital. Meet the expectations of stakeholders by improving MAVYS (key goal indicator).

Assign KPIs to relevant departments who are responsible for target setting and implementing actions for achieving the targets in a companywide coordinated effort.

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MAVYS: The Big Picture and the Department (FY2022)



The Specialist in Filtration



Full-year Forecasts for FY2022 (Ending March 31, 2023)



Construction machinery filters

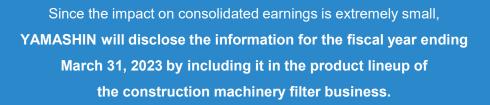
- While new vehicle sales volume is expected to be lower than the previous year due to the sluggish Chinese market, <u>demand in the construction equipment market in Japan, North America, Europe</u> and Asian markets is expected to remain strong.
- The outlook for logistics costs and material price hikes remains uncertain, and in addition to continuing cost reduction activities, we are working to pass on these costs to customers.
- <u>Strive to improve profitability</u> by establishing a stable production and supply system through a review of the supply chain and transfer of production sites, and by stabilizing foreign exchange rates and raw material procurement.

Air filters

- Progress in efforts to adopt our products in office buildings, factories, railway cars, etc. through recovery in replacement demand for existing products and development of high-value-added products such as nanofiber air filters.
- Improve profitability by increasing production efficiency and reducing expenses

Healthcare:

Establish a structure that will enable us to secure operating income despite anticipated decline in sales volume in the household mask market



FY2022 Full-year Forecasts



(million yen)			FY2021 Results	FY 2022 Initial budget	FY 2022 Revised budget	Difference	
				Amount	Amount	Amount	
Net sales	Net sales			17,800	19,230	1,430	
Cor etc.	nstruction mach	inery filters,	16,244	15,000	16,530	1,530	
Air	filters		2,577	2,800	2,700	△100	
Operating income (seg	gment income)		1,344	700	1,380	680	
	Construction machinery filters, etc.*		1,467	660	1,300	640	
Air	Air filters		△123	40	80	40	
Operating income mar	rgin		7.1%	3.9%	7.2%	3.2Pt	
Ordinary profit			1,317	650	1,240	590	
Ordinary profit margin	า		7.0%	3.7%	6.4%	2.8Pt	
Net income			47	458	855	397	
Net income margin	Net income margin			2.6%	4.4%	1.9Pt	
	1						
Evenando ratas	(2)(2)	USD	112.4	122.0	145.0	18.9%	
Exchange rates	(ave.)	EUR	130.6	137.0	144.0	5.1%	

*"Construction machinery filters" includes filters for construction machinery, industrial use and process use.

* The healthcare business is included in the product lineup of the construction machinery filter business from the fiscal year ending March 31, 2022, to reflect the degree of impact on YAMASHIN's performance.

Sales Forecast by Product Category



	FY2021 Results		FY2022 Initial budget		FY2 Revised		Difference		
(million yen)		Amount	Composition Ratio (%)	Amount	Composition Ratio (%)	Amount	Composition Ratio (%)	Amount	%
Construction machinery filters		14,169	75.3%	13,273	74.6%	14,807	77.0%	1,533	11.6%
	Line parts	5,633	29.9%	5,733	32.2%	6,401	33.3%	667	11.6%
	Service parts	8,536	45.4%	7,539	42.4%	8,405	43.7%	866	11.5%
Industrial filters *1		1,174	6.2%	653	3 3.7% 772 4.0%		118	18.1%	
Process filters		900	4.8%	1,072	6.0%	950	950 4.9%		△11.4%
Subtotal (Construction machinery filters, etc.*)		16,244	86.3%	15,000	84.3%	84.3% 16,530		1,530	10.2%
Air filters		2,577	13.7%	2,800	15.7%	2,700	14.0%	△100	∆3.6%
Total		18,821	100.0%	17,800	100.0%	19,230	100.0%	1,430	8.0%

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Sales Forecast by Region



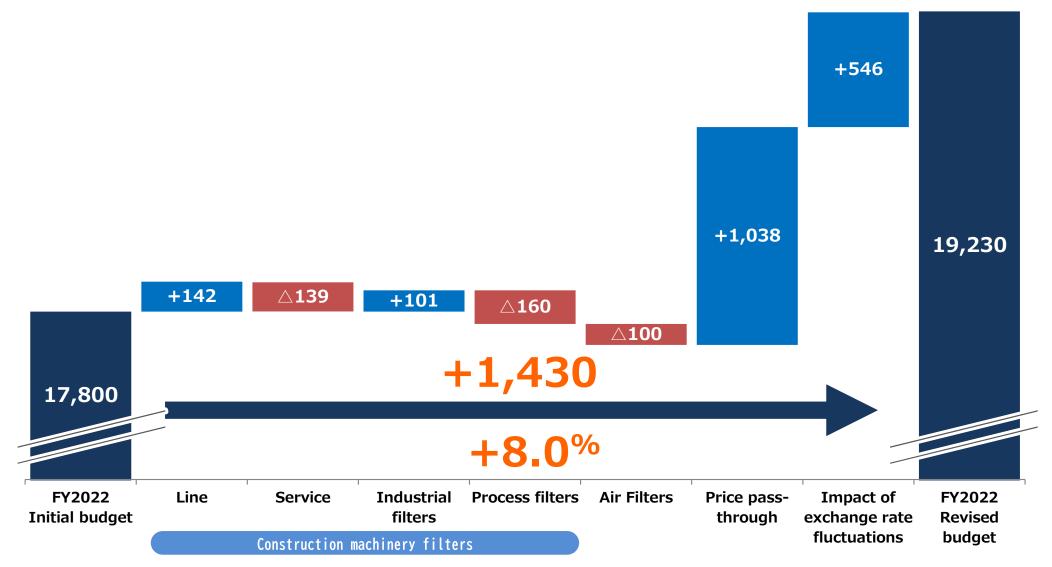
	FY2021 Results		FY2022 Initial budget		FY2 Revised		Difference	
(million yen)	Amount	Composition Ratio (%)	Amount	Composition Ratio (%)	Amount	Composition Ratio (%)	Amount	%
Construction machinery filters, etc. *1*2	16,244	86.3%	15,000	84.3%	16,530	86.0%	1,530	10.2%
Japan	7,946	42.2%	7,079	39.8%	8,141	42.3%	1,062	15.0%
North America	2,939	15.6%	3,135	17.6%	3,680	19.1%	545	17.4%
China	1,711	9.1%	1,507	8.5%	1,470	7.6%	△36	△2.4%
Other Asian countries	1,889	10.0%	1,902	10.7%	1,707	8.9%	△194	△10.2%
Europe	1,755	9.3%	1,371	7.7%	1,477	7.7%	106	7.8%
Others (Middle East, etc.)	2	0.0%	5	0.0%	52	0.3%	46	890.5%
Air filters (Japan)	2,577	13.7%	2,800	15.7%	2,700	14.0%	△100	△3.6%
Total sales	18,821	100.0%	17,800	100.0%	19,230	100.0%	1,430	8.0%

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FY2022 Forecasts : Changes in Sales

(million yen)



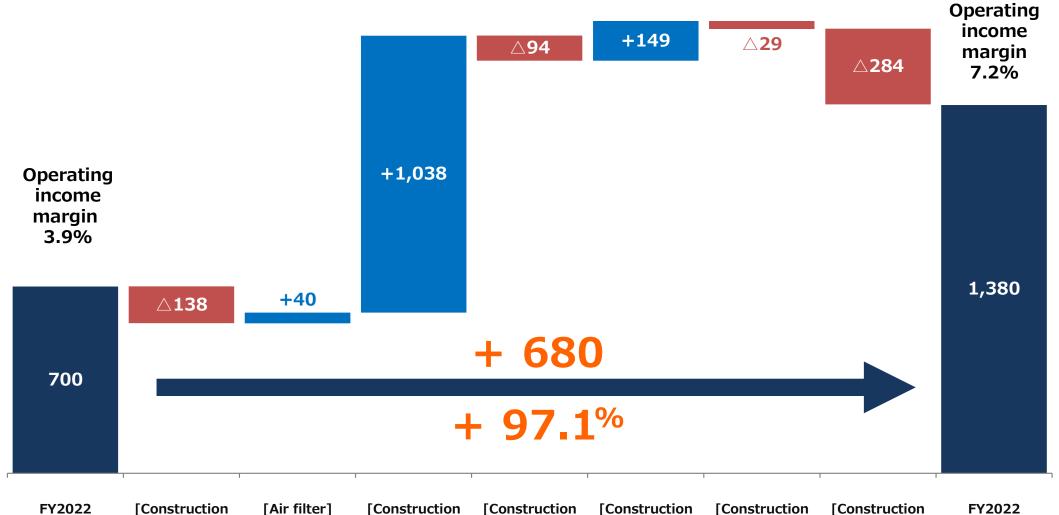


The "Industrial" segment includes the Healthcare product line.

FY2022 Forecasts : Changes in Operating Income



(million yen)



Initial budget

machinery] Decrease in sales volume,

Profit increase due to price pass-through and cost

improvemen

machinery] Increase due to Sea freight cost price pass-

through

machinery]

machinery] Air freight

[Construction machinery] Soaring material costs

[Construction machinery] Impact of exchange rate fluctuations

FY2022 **Revised budget**

etc.



The annual dividend, consisting of the interim dividend of 3.0 yen and the year-end dividend of 3.0 yen, will remain unchanged at 6.0 yen per share.

	FY2019	FY2020	FY2021	FY2022 Forecast
Dividend per share	¥6.0	¥6.0	¥6.0	¥6.0
DOE ^{*1}	2.3%	2.2%	2.1%	2.1%
Total return ratio ^{*2}	72.3%	59.3%	960.4%	57.1%

*1 DOE (Dividend on equity) = (Annual dividend ÷ Shareholders' equity) × 100 = (ROE × Dividend payout ratio)

*2 Total return ratio = (Total dividend + Treasury stock acquired + Shareholder benefit) ÷ Net income

II Market Conditions



Conditions in the Construction Machinery Market

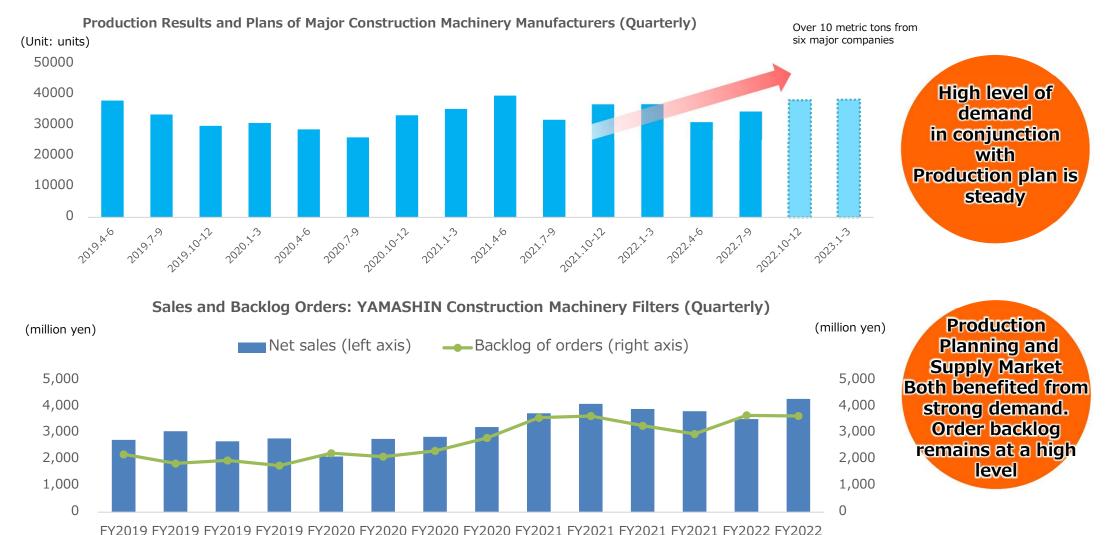
External conditions impacting the construction machinery market



- Demand remained high in the second quarter in all major markets except China, especially in North America and Asia
- Challenges such as shortages in the supply of semiconductors and other components, rising logistics costs, and soaring raw material prices continue
- Demand remains strong despite new concerns such as currency risk

	Q1 FY2022	Q2 FY2022	Future Outlook
Japan	Construction equipment operating hours and demand for new vehicles Remained at a high level Ocean transport costs and prices of key raw materials soared	Demand for construction equipment remained firm Logistics costs and raw material prices continue to rise Sharp depreciation of the yen	Demand for construction equipment remained firm The impact of rising logistics costs and raw material prices, the continuing trend of yen depreciation
North America	Construction equipment operating hours and demand for new vehicles Remained at a high level Ocean transport costs and prices of key raw materials soared	Housing starts are on a downward trend. Construction equipment operating hours and demand for new vehicles have steady growth	Construction equipment operating hours and demand for new vehicles have steady growth Logistics costs Continued impact of raw material price hikes
Europe	Construction equipment operating hours and demand for new vehicles Remained at a high level Ocean transport costs and prices of key raw materials soared	Demand for construction machinery remained firm, and Logistics costs and Raw material prices continue to rise	Russia, prolonged situation in Ukraine. The outlook for demand is uncertain due to logistics costs and raw material price hikes. Continued Impact
Asia	The recovery from COVID-19 has been clear and Construction equipment operating hours Remained at a high level	Demand for construction equipment remained firm Logistics costs and Raw material prices continue to rise	Focusing on India and Indonesia Demand is steady. Logistics costs and continued impact of raw material price hikes
China	Following the spread of COVID-19 infection Sluggish due to lockdowns	Following the spread of COVID-19 infection, Impact of Lockdown, Sluggish due to stagnant economic activity	Due to continued market slump new vehicle sales are expected to fall below the previous year

- Production plan is at high level, although it may be affected by customers' production capacity and difficult-to-source products
- Strong demand has kept the Company's order backlog at a high level.



02

Q3

Q4

Q1

Q2

Q3

Q4

01

Q2

Q3

Q4

Q1

Q2

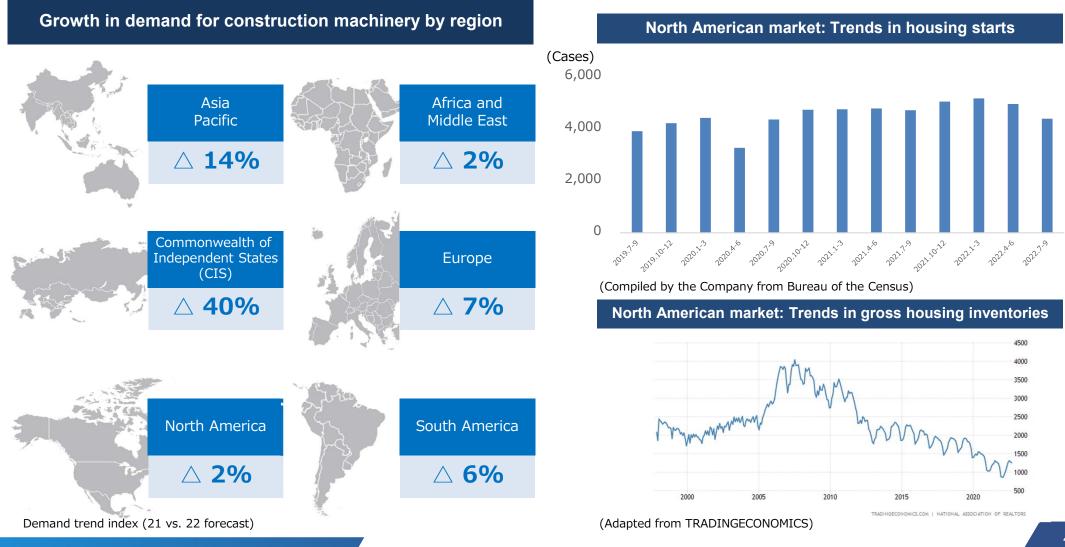
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- Demand was negative year-on-year, but maintained a high level of demand at full customer production capacity
- North American housing starts decline, but housing inventories remain low



North America Market Topics



- Filters for construction machinery transmissions account for more than 90% of the market share
- New field development to expand sales opportunities is determined by the release date.

Share information for a major North American construction equipment manufacturer

■ Hydraulic filter market share								
	2021	2022	Fluctuation					
Rolling Stock Construction Equipment	39%	50%	11%					
Mining and Construction Equipment	20%	37%	17%					
Forestry machinery	30%	45%	15%					

TM filter share

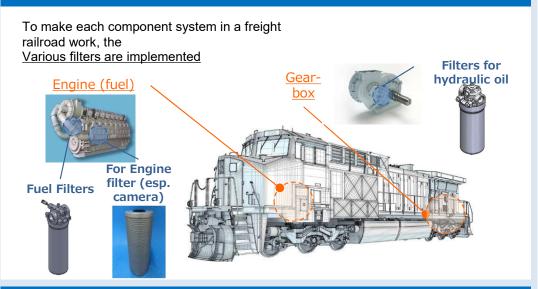
	2021	2022	Fluctuation
Rolling Stock Construction Equipment	88%	94%	6%
Mining and Construction Equipment	54%	68%	14%
Forestry machinery	71%	75%	4%

■ Other filter share

	2021	2022	Fluctuation
Rolling Stock Construction Equipment	17%	40%	23%
Mining and Construction Equipment	12%	33%	21%
Forestry machinery	15%	20%	5%

Progress in cultivating new business areas

Numerous filter hiring opportunities exist for freight railroads



First freight railway model to be adopted

Supply to start in April 2023

The range of hydraulic filters is wide, and the business areas in which our customers are involved are also wide.

The introduction of our fuel and hydraulic filter technologies for freight railways was <u>highly evaluated and decided upon</u>. In addition, we are actively expanding into other industrial machinery such as the agricultural field.



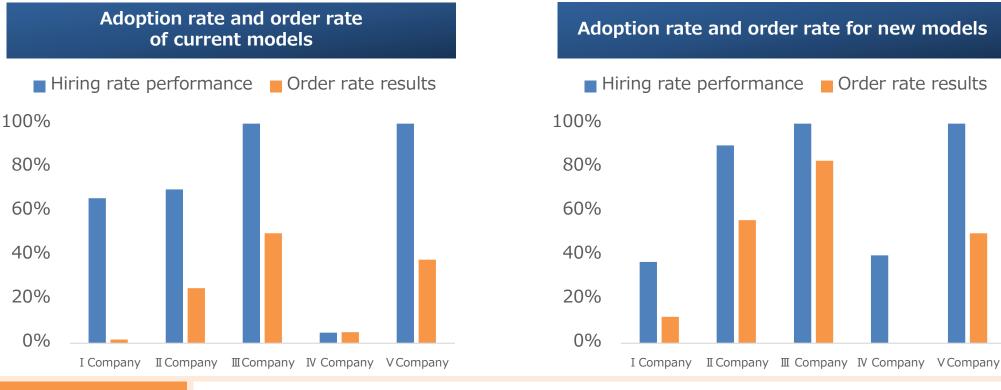
- Sporadic lockdowns are expected to reduce demand by more than 20% in 2010 compared to last year
- Export share is expected to increase in the future as we seek growth opportunities in overseas markets

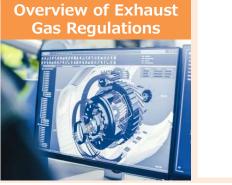


China Market Topics



- Emission regulations are expected to start as scheduled in December 2022
- Both adoption rate and order rate are expected to steadily increase from models compliant with emission regulations.



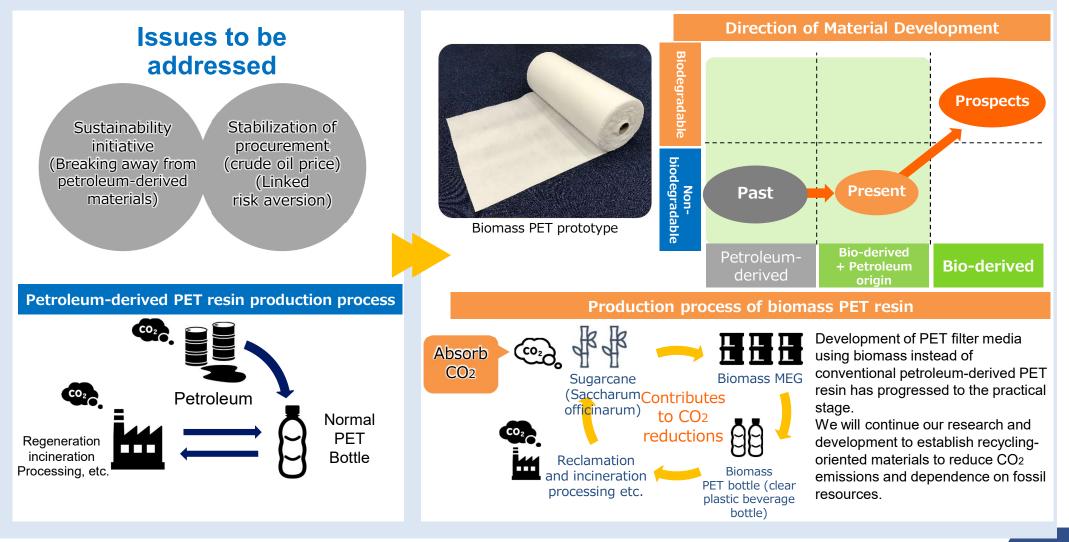


From December 2022 Exhaust gas regulation started

- The regulation values have become stricter since the current Tier 3 exhaust gas regulations, to the same level as the current emission regulations in Europe and the U.S.
- Excavators, wheel loaders, bulldozers, asphalt paving machine, forklift truck etc. sold on or after December 1
- On the machine side with the engine, <u>remote monitoring related</u> <u>matters</u> were <u>added</u> to provide location information

New Technology Topics

- The Specialist in Filtration
- Development of biomass PET filter materials progressed to the practical stage from conventional PET resin derived from petroleum
- We will continue research and development to introduce biodegradable materials that have a low environmental impact
- Began aggressively proposing solutions to customers with high environmental awareness

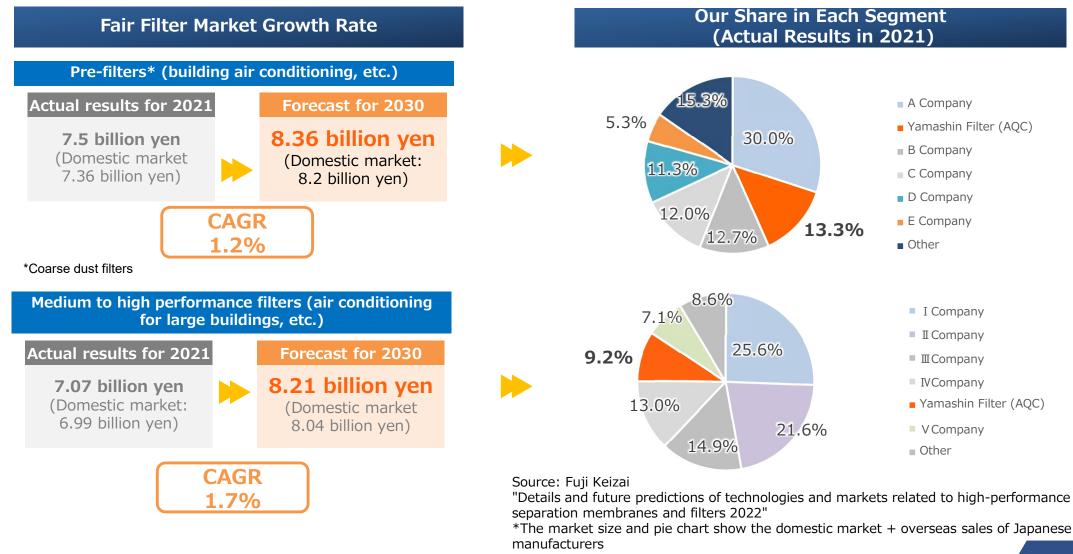


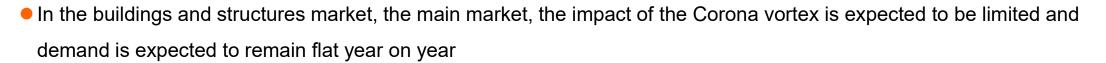


Conditions in the Air Filter Market



- Achieves top market share in pre-filters and medium-to-high-performance filters by providing a wide variety of products, quick delivery, and small-lot customization capabilities
- Wide coverage of air filter distributors enables us to sell our products through various routes





• Increasing need to control maintenance costs in response to soaring costs of various types

		Market environment					
	Market Overview		Previous period		Forecast for the current term		
Buildings	Air filters for outdoor air intake units, indoor air conditioning, etc. installed in offices, commercial buildings, etc.		Repeat orders in urban areas are stable, but new orders are slow.		Although some small and regional properties have been postponed, there is a nationwide recovery trend centered on large properties.		
General factories	Air filters for outdoor air intake units, indoor air conditioning, etc. installed in factories	-	Movement in large-scale renovations is slow, but there is positive movement in necessary capital investment.	-	Moderate recovery trend mainly in small properties		
Semiconductor factories	Chemical Filter Replacement Market		Capital investment remains strong.		Capital investment continued to be favorable but has reached a slight plateau.		
Environmental equipment	Air filters for residential air conditioning and air purifiers used in homes		Housing-related sectors continue to be affected by the Wood Shock, but are c a recovery trend.		The impact of the Wood Shock has almost disappeared; orders increased in the second half of the 3Q and are on a recovery trend.		
Vehicles	Air filters for air conditioning of railways, etc. Air filters for construction machinery dust		Orders for construction machinery filters were firm Orders for railroad filters were in line with plans.	I.	Sales of railroad products remained flat. Construction machinery filters are recovering, although there is a review of the schedule due to order adjustments.		

The Specialist in Filtration

Efforts to expand sales (Sales progress of Nano WHELP)



- Highly evaluated for filter performance and environmental friendliness
- The reliability of the MERV14 standard and the scarcity of acquisition by Japanese manufacturers make it highly competitive

New NanoWHELP®

World's first nanofilter air filter





Product Features

- YANAMSHIN NANO FILTER[®] performance and <u>sustained low</u> pressure drop
- The only medium to high performance filter from a Japanese manufacturer

<u>MERV14 certification</u>, the highest level for building air conditioning

- In addition to high performance, it is also <u>effective in reducing</u> <u>CO2 emissions.</u>
- <u>Reduce CO₂ by 22%</u> (compared to our own products)

Collection efficiency of 96% for PM2.5 Initial efficiency 80% or more



Status of New Introductions



At K Hospital, Chiba, Japan Outside air intake filters throughout the building changed to NanoWHELP®95

Customer Challenges

Uses a high cleanliness HEPA filter

- Insufficient ventilation airflow
- Cost is at a premium

Solutions with our products

Highest cleanliness required In the operating room NanoWHELP® is a medium performance filter, which fulfills both requirements such as cleanliness and ventilation air volume

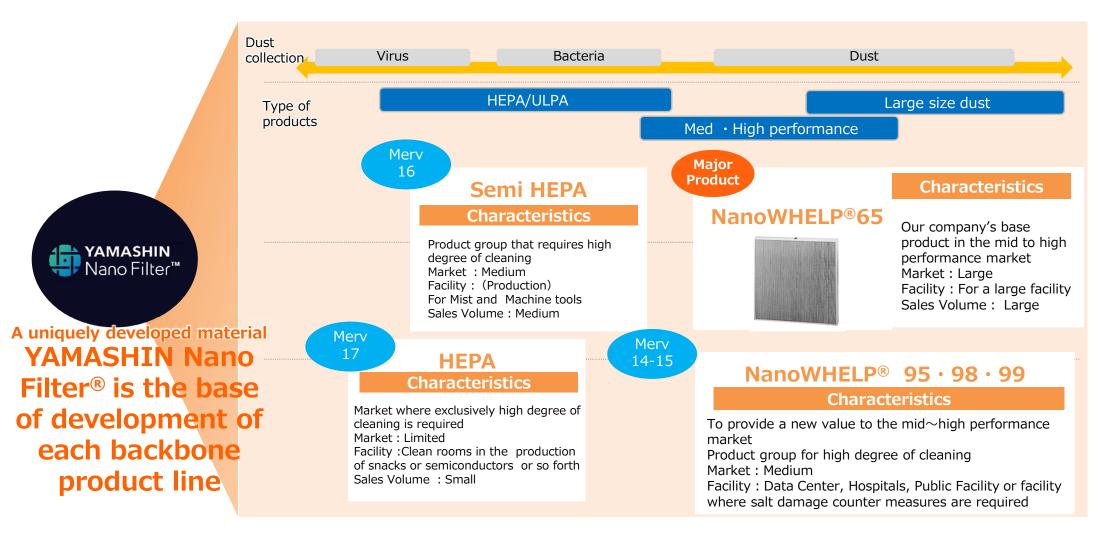
Many facilities are well served by mid- to high-performance filter product lines Ongoing proposal activities in consideration of the balance

between performance and cost

Initiative for Sales Expansion



- Sales expansion of the NanoWHELP[®] series using the market's only proprietary nanofiber filter media
- Create sales channel directly to the users to enhance product development that better meet their needs



III Future Strategies

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Our Mission



SUSTAINABLE GALS

Achieving SDGs through our business activities

ESG management implementation

Support for recommendations

TCFD TASK FORCE ON CLIMATE-RELATED FINANCIAL ISCLOSUBES

> Environ Air ment quality Health

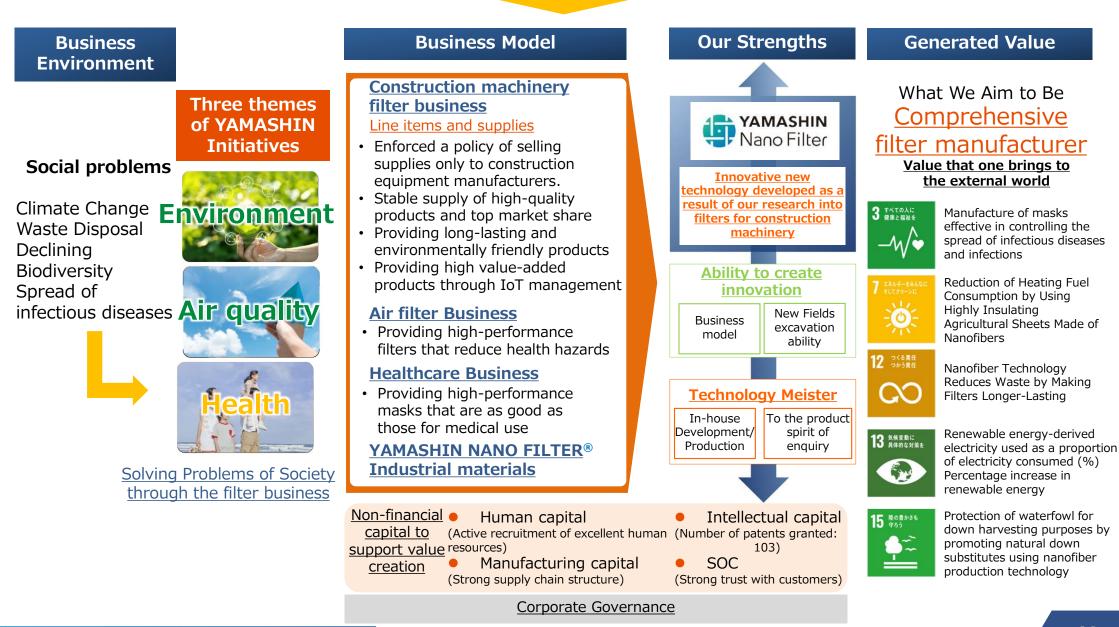
Roka jini tsukafuru"

Contribute to society through filtration business

Yamashin Filter's Value Creation (ESG Initiatives)

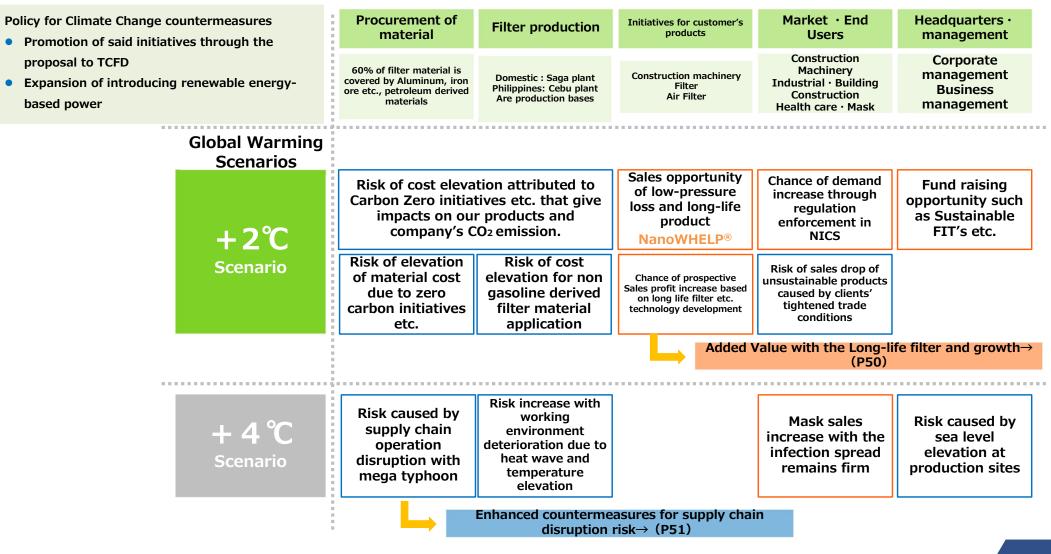


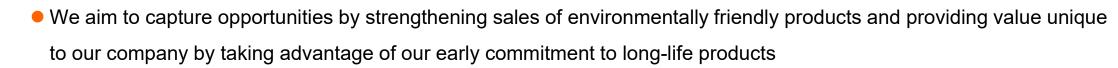
 Fulfilling our social responsibility as a listed company engaged in filter manufacturing and providing sustainable value <u>Realization of our management philosophy: "Rokaji ni tsukafuru" (Contribute to society through filtration business)</u>





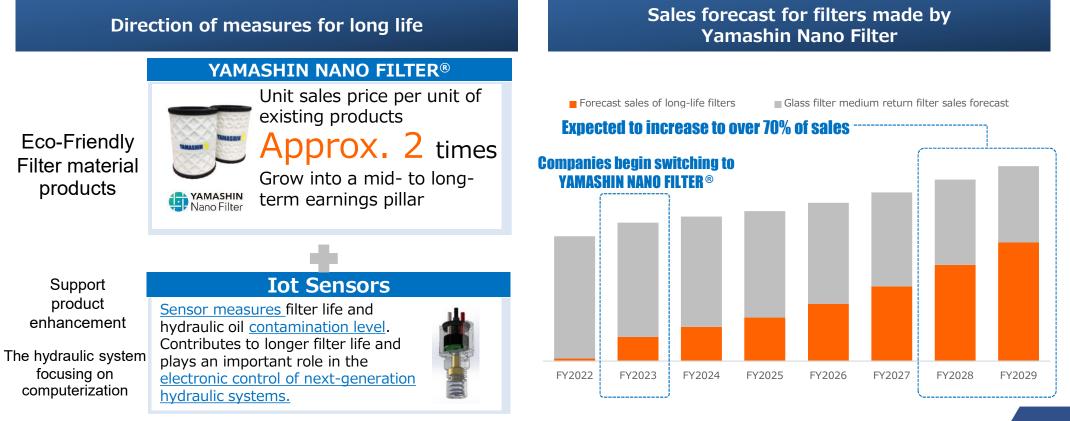
• With regard to the "Environment", which has particularly high potential to impact our business, we have identified prospective risks and opportunities for each global warming scenario, incorporating those to our mid-long term strategical policies to implement for various initiatives





Long life filters, etc. Through technological development First-mover advantage opportunity

- Supply products compliant with greenhouse gas reduction standards
- Providing products that use less fossil fuels
- Long life reduces replacement opportunities



The Specialist in Filtration



 Substantially reduced risk of operational slowdown with the start of operations at the new plant in Vietnam

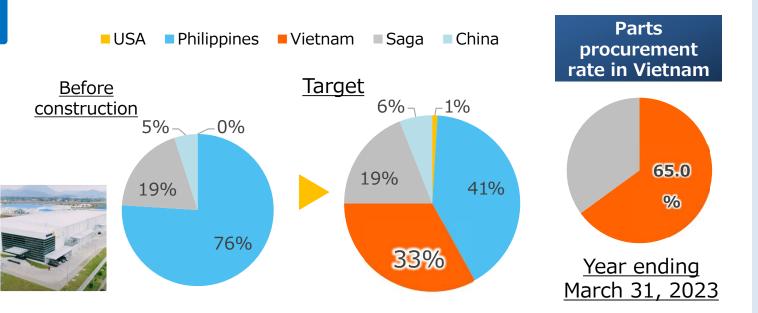
Due to large typhoons, etc., Supply chain fragmentation. Risk of operational slowdown

- Transition to a multiple production system in light of climate change risks
- Improvement of local parts procurement rate
- Diversification of country risk

Strengthening the supply chain

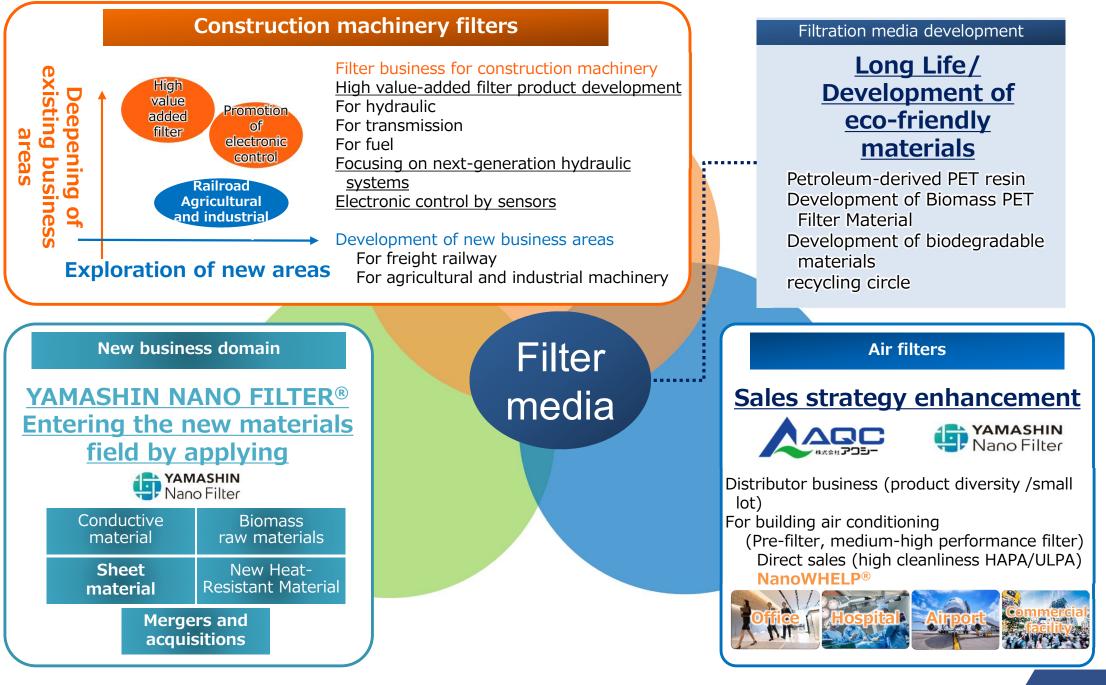
Completed construction of a new plant in Vietnam

Hedging risk by shifting from a centralized production system to a multiple production system, and improved local procurement rate of materials to meet the customer's needs by more flexible response is possible



Our Goal is to Build a New Portfolio





REFERENCE MATERIALS 1 BASIC COMPANY INFORMATION

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About Us | Overview of Our Filter Products



YAMASHIN Group purchases glass fibers and non-woven fabrics, which are the main materials to manufacture filter media (the key parts of filters). Our Group also purchases metal processed products and resin processed products used in filter components to manufacture construction machinery filters, industrial filters, process filters and air filters. From May 2020, we started to sell filter masks and mask inner sheets made from our proprietary synthetic polymer nanofibers.

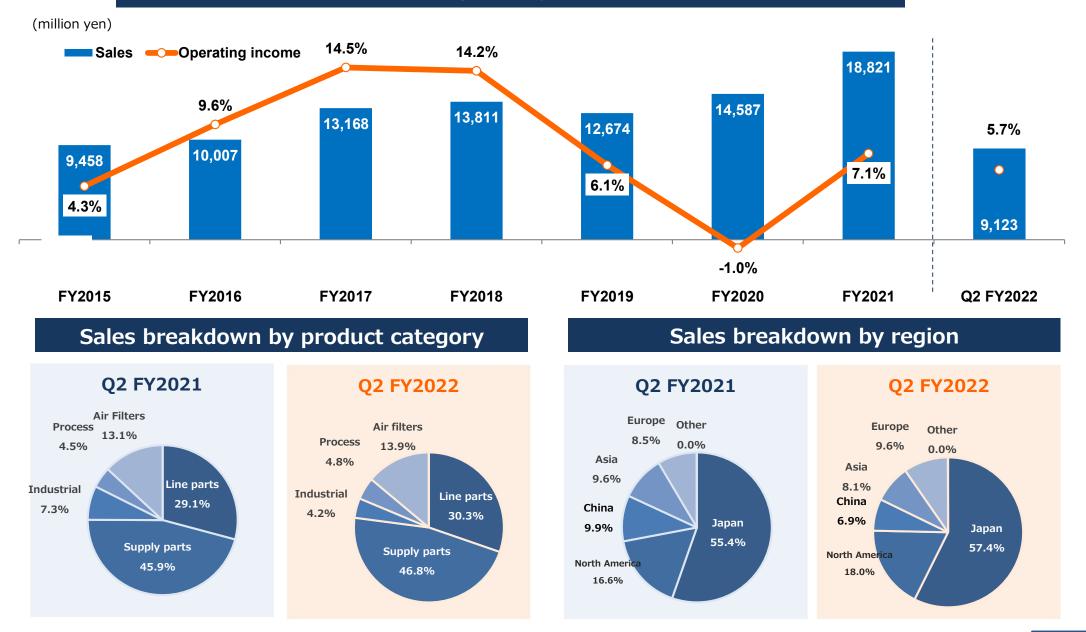
Field	Products	Product Image	Composition ratio (Forecast of FY2023)
Construction Machinery Filters	Filters used for filtering hydraulic oil in hydraulic circuits, diesel oil for fuel, and lubricating oil for engine drive, which are indispensable for driving construction machinery. Applications: Various types of construction equipment		
Healthcare	Highly performance masks and replacement inner sheets that utilize the characteristics of synthetic polymer-based nanofibers, such as high filtration performance, excellent sealing performance, and high air permeability. Applications: For general consumers in Japan and around the world		
Industrial Filters	Filters used for filtration of hydraulic oil and lubricating oil in hydraulic units applied in various industries. Applications: Machine tools, refrigeration compressors, agricultural machinery, ships, railway vehicles, aircraft, and helicopters		
Process line Filters	Filters required for filtration and separation in the manufacturing process of customer products Applications: Electronic components, precision components, liquid crystal displays and food industries, etc.		
Air filters	Coarse dust removal air filters, medium- to high-performance air filters Applications: Dust removal, deodorization, etc. for general buildings, hotels, various factories, etc.		

REFERENCE MATERIALS 2 FINANCIAL HIGHLIGHTS

Financial Highlights



Net sales, Operating income ratio



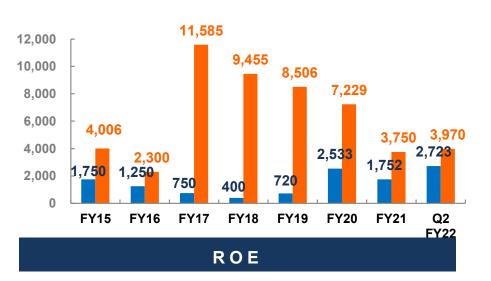
Financial Highlights

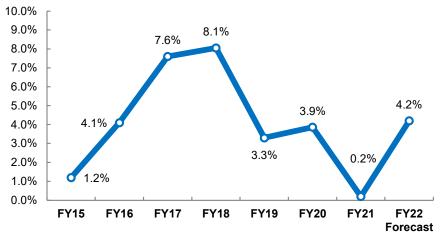


Interest-bearing debt, cash equivalents short-term investment securities, etc.

(million yen)

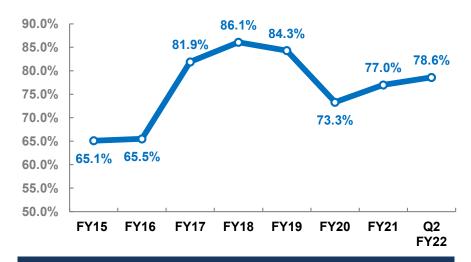
Interest-bearing debt balance Cash equivalents and short-term marketable securities, etc.



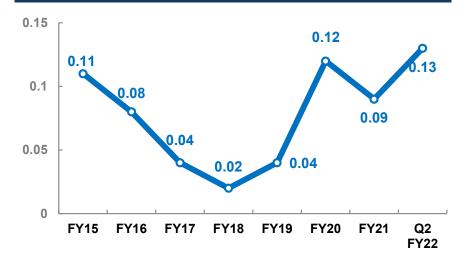


 Calculated based on the assumption that the capital increase through third-party allotment in FY2017 was implemented in FY15.

Shareholders' Equity Ratio



D/E Ratio

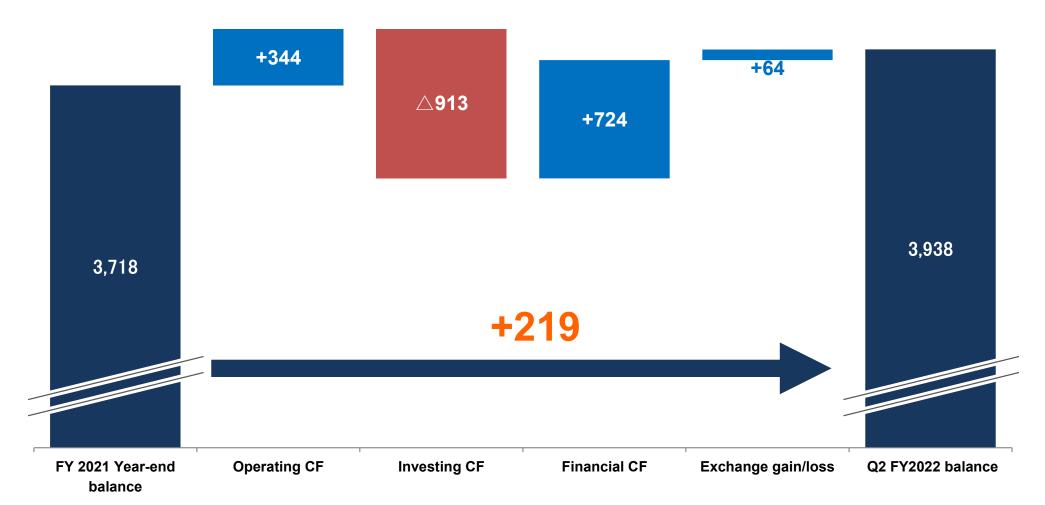


• Calculated based on the assumption that the capital increase through third-party allotment in FY2017 was implemented in FY15.

Changes in Cash Balance

(million yen)





*Long-term deposits with maturities of less than one year (¥32 million at the end of FY3/2022 and ¥32 million at the end of Q2 FY3/2023)

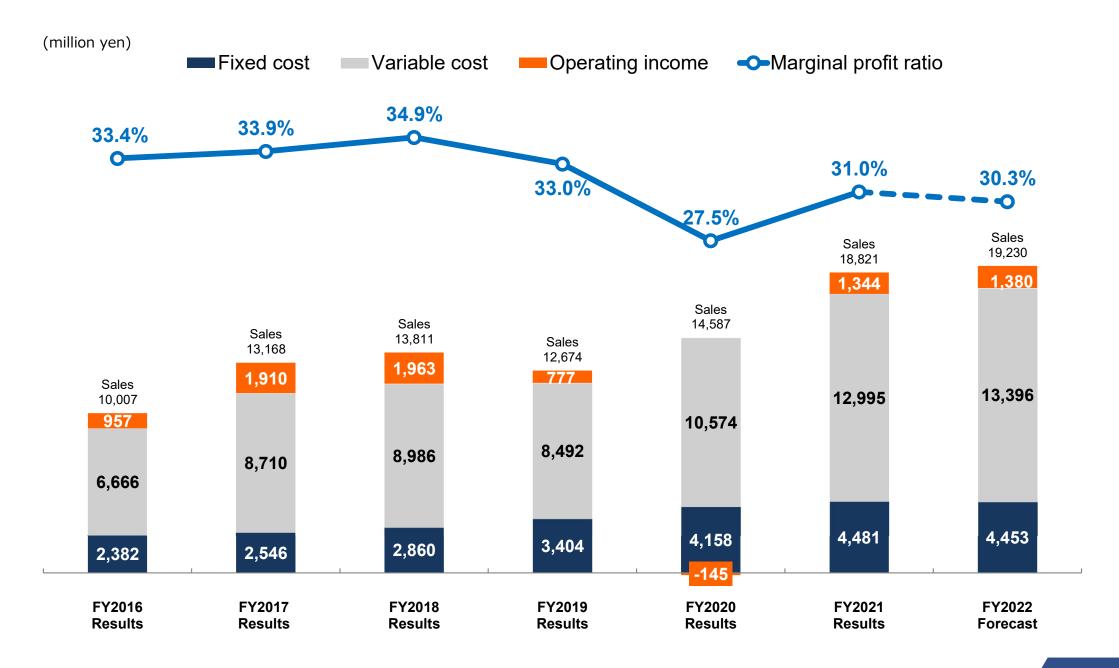
Cash and cash equivalents are not included in the ending balance of cash and cash equivalents.



(million yen)

	Incoming Outgoing		ing	Net	Average	Average In case of yen appreciation (10%)			In case of yen depreciation (10%)			
Currency	Amount by currency	Composi -tion ratio	Amount by currency	Composi -tion ratio	Amount by currency	during the term (JPY)	If yen is appreciated ▲10% (JPY)	Difference	Affected amount (YTD)	If yen is depreciated +10% (JPY)	Differenc e	Affected amount (YTD)
JPY	¥9,700	66%	¥9,100	58%	¥600	-	-	-	-	-	-	-
USD	\$31.1	28%	\$39.7	34%	\$∆8.6	¥134.0	¥120.58	¥∆13.40	¥115.22	¥147.38	¥13.40	¥∆115.22
EUR	€3.8	4%	€2.4	2%	€1.4	¥138.7	¥124.87	¥∆13.9	¥∆19.42	¥152.61	¥13.87	¥19.42
PHP	PP0.0	0%	PP291.4	5%	PP∆291.4	¥2.5	¥2.21	¥∆0.2	¥71.68	¥2.71	¥0.25	¥∆71.68
THB	₿60.90	2%	⊮21.00	1%	₿39.90	¥3.8	¥3.41	¥∆0.4	¥∆15.12	¥4.17	¥0.38	¥15.12
VND	0.00 ₫	0%	228.40 ₫	1%	∆228.40 ₫	¥0.6	¥0.52	¥∆0.1	¥13.13	¥0.63	¥0.06	¥∆13.13
Total	-	100%	-	100%	-	-	-	-	¥165.49	-	-	¥∆165.49







(million yen)



*Sales do not include healthcare sales.



The forward-looking statements in this document, including the forecast of results of operations, are based on information currently available to YAMASHIN. Actual results may differ from these forecasts due to a variety of factors, including market trends and business conditions.

For inquiries regarding these materials, please contact our Public Relations & Investor Relations manager

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