

Investors' Guide (TSE Code: 7701)

Investor Relations Group, Corporate Communication Department Shimadzu Corporation

Actual results may differ from forecasts about future performance indicated in this document, due to fluctuations in economic conditions, exchange rates, technologies, or a variety of other external factors.

- 1. Corporate Overview
- 2. Shimadzu's Science and Technology and R&D Organizations
- 3. Business Overview
- 4. Medium-Term Management Plan
- 5. ESG Initiatives
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Corporate Overview

Corporate Philosophy: Management Principle: Sustainability Charter:		Contributing to Society through Science and Technology Realizing Our Wishes for the Well-being of Mankind and the Earth Create a Bright Future SHIMADZU CORPORATION will engage in company activities and fulfill social responsibilities based on two principles—"solve the challenges of society through business operations" and "engage in activities as a responsible member of society"—while working towards harmony between the earth, society, and people.	
	Company Name and Address	Shimadzu Corporation 1 Nishinokyo Kuwabara-cho, Nakagyo-ku, Kyoto	
	Foundation	March, 1875	
	Capital	26.6 billion yen	
	Net Sales	482.2 billion yen	
	Number of Employees	Unconsolidated: 3,541; Consolidated: 13,898	
	Number of Consolidated Subsidiaries	23 in Japan, 55 overseas (as of March 31, 2023)	Head Office/Sanjo Works (Kyoto)

Corporate Overview History - Kyoto when Shimadzu was Founded

Year	Meiji	History of Shimadzu		World Events	
1868	1	Demand for Buddhist altar fittings decreased due to Meiji restoration, anti- Buddhist sentiments, and other factors.		Kyoto prefectural government office opens.	
1869	2	Core technologiesManufacturing technologies cultivated from manufacturing Buddhist altar fittings		Japan's first elementary school established.	
1870	3		➡	The Physics and Chemistry Research Institute established.	
1875	8	Shimadzu Corporation founded (manufacturing physics and chemistry instruments). Masanao Makimura is appointed Governor of Kyoto Prefecture.			
1877	10	Launches a manned balloon in response to a request by Kyoto Governor Railway service started between Kyoto and Kobe (Kyoto Station opened). Makimura.			

Governor Makimura

Makimura

(1834-1896)

Shimadzu, Sr.

(1839 - 1894)







Head Office, Kiyamachi, Kyoto around 1895



Successful Balloon Flight (1877)



Physics and Chemistry Instruments at the Time of Founding

Corporate Overview History—Foundation of Businesses

Year	Meiji	History of Shimadzu	World Events
1895	28	Establishes new Scientific Specimen Department.	Dr. Roentgen discovers X-rays.
1896	29	Succeeds in producing an X-ray photograph (joint development with the Third Higher School (predecessor to Kyoto University)).	The first Olympic Games held (in Athens).
1897	30	Starts manufacturing storage batteries (GS batteries).	Kyoto Imperial University established.
		Develops an educational X-ray apparatus.	
1909	42	Develops Japan's first medical X-ray system.	

Genzo Jr.











The Third Higher School (predecessor to Kyoto University) Professor Muraoka (1853-1929)



Early X-Ray Image (1896)

Educational X-Ray Apparatus (1897) Radiography Using Medical X-Ray System

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Corporate Overview History—Transition of Businesses

Genzo Shimadzu Jr. started businesses for a variety of things needed by society. Later, those businesses evolved into the current organization of four business segments.



Corporate Overview Global Business Deployment

Operating sites established in 25 countries to serve different needs of each region. (Overseas sales ratio in FY 2022 was 56 %.)



Corporate Overview Changes in Net Sales and Operating Income

- **Excellence in Science Best for Our Customers**
- The ten-year (FY2012 to FY2022) CAGR has been 6 % for Net Sales and 19 % for Operating Income.
- Net Sales and Operating Income hit record high for 3rd consecutive year.
- Record-breaking Net Sales and Operating Income levels are being targeted for FY 2023.



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Shimadzu's Science and Technology and R&D Organizations Shimadzu's Corporate Culture and Strengths

Initiatives for Implementing the Corporate Philosophy "Contributing to Society through Science and Technology"

- Despite changing times, Shimadzu remains steadfastly committed to the corporate philosophy "Contributing to Society through Science and Technology."
- Even for niche markets, Shimadzu serves the needs of all customers.
- Shimadzu constantly strives to increase technology development capabilities for contributing to the advancement and growth of industry.



Shimadzu's Science and Technology and R&D Organizations **R&D Organizations**

Build integrated capabilities for functions ranging from R&D to product/application development.
 Establish Innovation Centers to strengthen partnerships with research, corporate, and academic institutions.



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Business Overview Four Business Segments

Businesses deployed in four business segments: Analytical & Measuring Instruments, Medical Systems, Industrial Machinery, and Aircraft Equipment.



Business Overview Analytical & Measuring Instruments Segment

Cutting-edge analytical technologies are used for research and development or quality control in a wide variety of fields, including pharmaceuticals, environmental testing, and life sciences.

Challenges in Society

Advanced Healthcare

 Healthcare and social welfare costs will increase as birth rates decline and aging populations increase. • Offer solutions for ultra-early and preventive diagnosis of diseases and infectious disease countermeasures (preventive and rapid diagnosis).

Materials

Support improving the reliability of functionally-engineered materials for automobiles, aircraft, and other transport equipment.

Environmental/Energy

Expand use of renewable energies for achieving carbon-neutrality.

Value Provided

• We contribute to maintaining people's health by developing technologies for the early diagnosis of diseases, such as dementia, cancer, and lifestyle diseases. · We contribute to new drug development and productivity improvements by offering advanced analytical technologies.

We contribute to preventing the spread of infections by developing infection testing technologies, such as the novel coronavirus detection kits, and managing data, virus monitoring, and other solutions.



Liquid Chromatograph Mass **Spectrometer System**



Fully Automatic PCR Testing System

 We help ensure the safety and security of food by testing for residual pesticides and water quality, evaluating the presence of regulated substances contained in packaging, and ensuring regulatory compliance.



Gas Chromatograph

materials, mainly for improving fuel efficiency and ensuring the safety of transport equipment, such as by testing the strength or nondestructively analyzing the internal status of various materials.

We contribute to developing new

We contribute to achieving a carbon-free society by supplying systems and application software that are useful for developing clean energy technologies.







Nondestructive Inspection System

EDX-LE Energy Dispersive X-Ray Fluorescence Spectrometer

Online Total Nitrogen and Total Phosphorus Analyzer

Business Overview Analytical & Measuring Instruments Segment

Net Sales and operating income exceeded previous record levels for 3rd consecutive years in FY2022.

Net Sales and operating income exceeded previous record levels for 3rd consecutive years
 Aiming for record high for 4th consecutive years in FY2023.

■ Customers

Pharmaceutical, food, automotive, and chemical companies, healthcare institutions, contract analysis companies, academic/government research institutions

Markets

Market size of about 7 trillion yen. Annual growth rate of 3 to 4 %. 5:5 ratio of instrument vs aftermarket (maintenance/service, etc.) as market size.

Competitors (Mainly U.S. companies)

Thermo Fisher Scientific, Inc., Agilent Technologies, Inc., Waters Corporation, Danaher Corporation



Changes in Results



• Pie chart outer rings indicate FY 2022 results and inner rings FY 2021 results.

Business Overview Medical Systems Segment

Offer healthcare systems with advanced imaging technologies, that cause minimal burden on patients and are easy to use.
 Contribute to the early detection and treatment of infectious diseases, brain/heart diseases, cancers, and other various diseases.

Challenges in Society Provide more advanced examination technologies that can detect physical disorders as early as possible and identify the causes of diseases in more detail.

Value Provided

Used for whole-body diagnostic imaging of bone fractures and pneumonia

General radiography systems are used for whole-body diagnostic imaging of bone fractures and pneumonia. Being applied in image processing technologies in recent years, the range of applications is expanding.

General Radiography System

The ability to perform radiography at the patient bedside or various other hospital locations enables rapid on-the-spot assessment of patient condition. Can also be used for diagnostic X-ray imaging in infections or emergencies.



Mobile X-Ray System

<u>Catheterization support for</u> <u>cardiovascular or</u> <u>cerebrovascular diseases</u>



Angiography System

Used for diagnostic imaging of internal organs and bone disorders, which are increasing due to aging populations



Fluoroscopy System

SCORE PRO Advance



Improving the visibility of medical devices

SCORE RSM



Minimally affected by movement. Imaging with low radiation dose levels

Bone mineral density

measurement

Used to diagnose mental disorders or for stroke rehabilitation



Assist in diagnosing depression by using near-infrared light to measure brain activity. Support rehabilitation applications with visualization of brain activity.

Near-Infrared Imaging System

World's first TOF-PET system dedicated for heads and breasts





TOF-PET System

Enables examinations of not only the head and breast areas but also cancer (head and breast) and dementia more accurately by using this system itself.

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Business Overview Medical Systems Segment

Net sales exceeded previous record levels in FY 2022.

■ Customers

Hospitals and other healthcare institutions

Markets

Market for diagnostic imaging systems is about 3 trillion yen. Of that, global market size for diagnostic X-ray systems is about 700 billion yen. Systems must be approved as a medical device separately in each country. Therefore, regions that are unitary states with large populations are especially important, such as the United States, China, and Japan.

Competitors

Koninklijke Philips N.V., Siemens Healthineers AG, GE Healthcare, Canon, Fujifilm



Excellence in Science & Best for Our Customers

Changes in Results



Business Overview Industrial Machinery Segment

Contribute to industrial development by supplying high-quality and high-performance key components, such as turbomolecular pumps and equipment and parts equipped with sophisticated hydraulic technology.

Challenges in Society Develop sustainable and resilient infrastructure. Implement global initiatives to achieve a carbon-free society.

Value Provided



High-performance pumps used to create vacuum environments. Mainly installed in semiconductor manufacturing equipment.



Turbomolecular Pump

Support advancements in next-generation mobility fields



Used to sinter ceramic materials for automotive parts

Industrial Furnace



Tilting cylinder

<u>Hydraulic motive power sources for</u> <u>industrial vehicles, construction</u> <u>machinery, and agricultural equipment</u>

Hydraulic gear pumps that achieve low noise and low vibration levels



Hydraulic Gear Pump

Regulate the direction, pressure, and flowrate of hydraulic oil flow from hydraulic gear pumps.



Hydraulic Control Valve

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Business Overview Industrial Machinery Segment

■ Aiming to achieve a new record high for record high in FY2023.

Turbomolecular Pump

Customers

Semiconductor production equipment makers and flat panel display manufacturers

Markets

Linked to demand for semiconductor manufacturing equipment

Hydraulic Equipment

Customers

Manufacturers of forklifts, small construction machinery, and agricultural equipment

Markets

Linked to logistics (industrial vehicles), construction machinery, and agricultural equipment markets

Changes in Results



Business Overview Aircraft Equipment Segment

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Contribute to ensuring a safe and secure society by offering components, parts, and systems that integrate advanced technologies with sophisticated precision machining technologies.

Challenges in Society

Tougher public infrastructure. Improve safety, environmental conservation, and comfort in the mobility field.

Value Provided

Air Management System

Air management systems are used to adjust the air temperature and pressure levels inside aircraft. They contribute to ensuring a comfortable environment based on analysis and evaluation technology that continuously optimizes the onboard environment.



High-quality mechanical technology and highly reliable electronic control technology help ensure flight safety.

Power drive unit gearboxes

Flight Control System



Flap actuators

Cockpit Display System





Helmet Mounted Display

Head Down Display



System that projects flight information, such as altitude, speed, and direction in the visual field. It uses sophisticated electronic and optical technologies to minimize the burden on pilots and contribute to flight safety.



Business Overview Aircraft Equipment Segment

Business is split into Defense Field and Commercial Aircraft Field. (Defense: Commercial Aircraft =3:1)

Improve operating margin due to higher gross margin, etc.

Defense Field

■ Customers

The Ministry of Defense, aircraft manufacturers, and engine manufacturers

Markets

Due to business linked to national security, sales do not fluctuate with economic conditions.

Commercial Aircraft Field

■ Customers

Non-Japanese aircraft manufacturers, aircraft engine manufacturers, airlines, etc.

Markets

- Increased demand due to the recovery of passengers needs
- Sophisticated technological capabilities are required for development and manufacturing due to certification requirements based on international standards and high-quality control levels required.

Changes in Results



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What's Our "Purpose" ?

Excellence in Science & Best for Our Customers

- COVID-19 raised the awareness of the importance of Human Life & Well-Being.
- Due to the global Climate Change, the Well-Being of the Earth is now our common concern.



Management Principle: Realizing Our Wishes for the Well-being of Mankind and the Earth

Business Expansion and Transformation into a Company That Provides Total Solutions Across Divisions

	Sustainable Growth with Customers	
FY2026-	Develop Social Value Creation Business Based on Customer and Domain Axis	the Prov √ E
New Medium-Term Management Plan FY2023-2025	Business Expansion and Organizational Change to Focus on Customers (Domain)	✓ (
Become a Com in Collaborat	pany That Solves Challenges in Society ion with Partners All Around the World eating and Implementing Systems	

for Solving Challenges in Society-

- Best for Our Customers -<u>How to Transform into</u> the Customer-Centric Business Structure?

Provide the "DATA" needed by customers by

- Establishing closer relationships
- Communicating in their language of choice



Deliver the "PRODUCTS" based on customer request

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Basic Policy

Be an Innovative Company that solves social issues with global partners ! **Concept:** - Achieve Sustainable Growth by Technology Development & Social Implementation -**Reinforce Key** Strengthen Model Business **Expand Overseas Reinforce & Expand Med-Tech Business & Operation Recurring Business 5** Business - LC, MS, GC, Testing **Business** Machine, and TMP -**Strategies Develop & Create New / Future Business Reinforce the Corporate Governance Strategize International Expand Global** Strengthen Accelerate R&D **Propel DX** Standardization / Reinforce Manufacturing 7 Management (Digital Transformation) **Activities Capabilities Regulatory Response** Foundations Human Resource Strategy: **Financial Strategy: Realizing "Leadership & Diversity" Executing Strategic Investments**

Medium-Term Management Plan/ Business Briefing | SHIMADZU CORPORATION

KPI in FY2025

Financial KPI					
Net Sales	Operating Income	OPM			
550.0	800	14.5%			
bn yen	bn yen				
Capital Efficiency					
ROE >12.5	% ROIC	> 11.0 %			
Shareholder Return					
Maintaining Payout Ratio > 30.0%					

Non-Financial KPI

Climate Action

Reducing CO2 emissions associated with business activities and product use •Corporate Emissions: **10,000**t-CO₂ ⇒ **Zero**

•Reduction Contribution*: **12,000**t-CO₂

(FY2025)

(FY2050)

*Reduction in customers' CO2 emissions by using products certified under our company Eco Products Plus system

Women Empowerment

Ratio of female managers (Consolidated)

12% ⇒ **15%** (FY2030) (FY2025)

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ESG Sustainability Management

- Ever since the company was founded, it has been the aim of Shimadzu to contribute to drug development, water and atmospheric monitoring, healthcare, and public infrastructure.
- In 1992, Shimadzu established the management principle "Realizing Our Wishes for the Well-being of Mankind and the Earth."

Key Concepts of Sustainability Management Contributing to the Well-Being of Contributing to Industry and Society **Corporate Governance** Mankind and the Earth G **E + S** Initiatives to Achieve Advancements in **Contributing to Advancements in Industry Strengthening Corporate Governance** Science and Technology **Contributing to People's Health, Fighting Contributing to Realizing Safe and Secure Building the Group Governance** Infectious Diseases, and Managing Society **Employee Health Initiatives for Achieving Carbon-Neutrality Strengthening Compliance and Building Strengthening Intellectual Property Strategies Risk Management System Consistent with Circular Economy Contributing to Conservation of Responsible Member of Society Mitigating Risks of Natural Disasters Biodiversity**

ESG- Environmental Management Improving the Environmental-Friendliness of All Products

Develop and supply products and services that promote global environmental conservation.



—Striving to Minimize Shimadzu's Global Environmental Impact— Eco-Products Plus

1. At least **25** % lower energy consumption 2. At least **25** % smaller (in terms of weight, volume, and/or footprint) 3. At least **25** % reduction in use of gases, solvents, or other consumables

• Eco-Products Plus products must satisfy one of the above criteria compared to the previous Shimadzu model.



Balance the trade-off between the quantity of CO2 emitted by Shimadzu and quantity reduced due to Shimadzu contributions by offering Eco-Products Plus certified environmentally-friendly models.

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ESG- Environmental Management Reducing CO₂ Emissions to Reduce Environmental Impact of Shimadzu Businesses

Set new CO₂ emission reduction goals in March 2022. We intend to achieve net-zero CO₂ emissions by 2050 (vs FY 2017).
 As a medium-term target, reduce CO₂ emissions by at least 85% by 2030 and by at least 90% by 2040.



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Promoting Diversity Management



Diversity is a source of science and technology

Shimadzu Corporation continues to embody its corporate philosophy of "Contributing to Society through Science and Technology" by positively embracing the diverse thoughts and differences of each employee, and maximizing their talents.



Developing Women Leaders and Supporting Their Careers

-Shimadzu Women Next Career Design training for women close to being promoted to manager

-Establishment of an environment in which women can play an active role, including flexible work systems and a wide range of support systems related to childcare Percentage of female managers (Consolidated)

Percentage of female employees taking childcare leave

Rate of female employees returning from childcare leave

Percentage of female employees taking childcare leave

 $\begin{array}{c} \mbox{FY2022} & \mbox{FY2030} \\ 10.9\% \rightarrow 15\% \end{array}$

100% for 5^{th} consecutive years

100% for 2^{nd} consecutive years

FY2020 FY2022 22.7% →56.7%

ESG- Governance Corporate Governance

Diversity within the Board of Directors enables discussions from various perspectives, which results in appropriate decisionmaking and supervision.

Corporate Governance System





board. The areas of knowledge and experience expected will continue to be reassessed based on external business conditions and company circumstances.
For a description of the skill matrix concept, click the following link.
https://www.shimadzu.com/ir/governance/skill matrix.html

ESG Recognition from Outside Shimadzu

- Selected for inclusion in the ESG index used by the Government Pension Investment Fund (GPIF).
- Recognized for various environmental initiatives and an approach of maintaining dialogues with stakeholders.

Included in ESG Index Used by GPIF

Shimadzu is included in the following four indexes used by the GPIF:

- · MSCI Japan ESG Select Leaders Index
- · MSCI Japan Empowering Women Index
- · S&P/JPX Carbon Efficient Index
- •FTSE Blossom Japan Sector Relative Index

2022 CONSTITUENT MSCI JAPAN ESG SELECT LEADERS INDEX TERMS AND CONDITION





2022 CONSTITUENT MSCI JAPAN TERMS AND CONDITIONS EMPOWERING WOMEN INDEX (WIN)

FTSE Blossom Japan Sector Relative Index

Recognized for an Approach of Maintaining Dialogues with Stakeholders

In 2021, Shimadzu received the **IR Prime Business Award** from the Japan Investor Relations Association for the first time.



Recognized for Environmental Initiatives

CDP scores: B for climate change and B for water security

Eco-First Company

In recognition of advanced environmental conservation initiatives, Shimadzu is the first company in the precision equipment industry to be certified by the Minister of the Environment.

Acquisition of Japan Habitat Evaluation

Program (JHEP) Certification

Forest" (8,000 m²) within the Head

Shimadzu has established a "Shimadzu

Shimadzu earned a AAA Japan Habitat

highest available, from the Ecosystem

Conservation Society-Japan.

Office/Sanjo Works grounds. Consequently,

Evaluation Program Certification score, the





Shimadzu Forest in the Head Office/Sanjo Works Grounds

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Other Changes in Stock Prices

Tokyo Stock Exchange (Prime market)
 Market capitalization: 1,135.7 billion yen (as of December 8, 2023)

Status of Stocks (as of September 30, 2023)

Total number of common stock authorized: 800,000,000 Total number of common stock issued: 296,070,227 Number of shareholders: 38,880

Ratio of Shares by Shareholder Type





Excellence in Science

Other Shareholder Returns

Excellence in Science & Best for Our Customers

Policy: Maintain an payout ratio >30% and continuously return profits to shareholders.

Dividends: 58 yen per share, up for 10 consecutive years (expected payout ratio of 31.1% in FY2023).



•FY 2022 values will be finalized at the annual shareholder's meeting. FY 2023 values are estimates.

Other Major Management Indicators (1)

	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY2022</u>	FY 2023 (Forecast)
Net Sales	393.5	428.2	482.2	510.0
Operating Income	49.7	63.8	68.2	73.0
Operating Margin	12.6%	14.9%	14.1%	14.3%
Profit	36.1	47.3	52.0	55.0
EPS	122.52 yen	160.49 yen	176.64 yen	_
ROE	11.3%	13.2%	12.9%	_
PER	32.69 ×	26.39 ×	23.44 ×	_
PBR	3.52×	3.27 ×	2.88 ×	_
R&D Expenses	15.7	16.3	19.0	22.0
Dividend	34 yen	48 yen	54 yen	58 yen
Payout Ratio	27.8%	29.9%	30.6%	31.1%

*Indicated PER and PBR are for the last business day of each fiscal year.

Other Major Management Indicators (2)

	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY2022</u>
Total Assets	437.6	497.5	560.5	618.9
Total Net Assets	302.8	335.5	381.2	423.5
Equity Ratio	69.2%	67.4%	68.0%	68.4%
Cash Flows from Operating Activities	39.5	63.8	63.4	48.3
Cash Flows from Investing Activities	-16.1	-13.9	-6.0	-34.5
Free Cash Flow	23.4	49.9	57.3	13.8
Cash Flows from Financing Activities	-26.2	-13.0	-15.7	-19.4
Capital Equipment Investment	17.7	14.5	16.4	22.5
Depreciation and Amortization	13.3	15.5	16.2	17.5

SHIMADZU Excellence in Science

Brand Statement "Excellence in Science"

The Shimadzu Group supplies products and services used by customers throughout the world to develop a wide variety of new products, protect or improve the environment, or to improve the health or lives of people. This brand statement expresses our pride in that fact and serves as a pledge to society and ourselves that Shimadzu will remain dedicated to the pursuit of improving technology and accumulating knowledge, so that we can continue to offer outstanding technologies, products, and services and strengthen our reputation for excellence in science.

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