

TOYOBO INVESTORS GUIDE (FY 3/24)

TOYOBO CO., LTD. (3101)



Ikuo Takeuchi
President & Representative Director

Skuo Takenchi

Aiming to be a sustainable company that contributes to the sustainability of society

With our corporate philosophy of "Jun-Ri-Soku-Yu" (adhering to reason leads to prosperity) as its starting point, our Group's vision is to become a group that continues to create the solutions needed by people and the planet with our materials and science. In May 2022, we formulated our Sustainable Vision 2030, which aims to achieve sustainable growth. This sustainable growth means that we contribute to the sustainability of the planet and society through our products, services and technologies, and thereby achieve sustainable growth for ourselves.

To date, our group has taken numerous challenges and strived to provide products and services that respond to changes in the social environment surrounding us with the understanding and support of our stakeholders. Now, at this time, I am strongly convinced that our mission is to address these pressing issues and contribute through our business to the realization of a sustainable society, that is, a "prosperous" society where people can live with peace of mind, and that it is my mission to lead this endeavor, which will lead to a sustainable increase in the corporate value of our group.

In order to continue to be a corporate group that is required by people and the planet, the Toyobo Group will not be afraid to change, will enjoy change and will create change.



- I. Company Profile (page 4~13)
- II . Sustainable Vision 2030,
 2025 Medium-Term Management Plan (page 14~18)
- ■. Expanding Businesses in 2025 Medium-Term Management Plan (page 19~22)
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TOYOBO

I. Company Profile

- Basic Information
- Corporate Philosophy Framework "TOYOBO PVVs"
- Net Sales and Product Example by Segment
- Products Topics
- Domestic and Overseas Bases, Ratio of Net Sales by Region
- Our History

Basic Information



Company Name: TOYOBO CO., LTD. (Oct. 1, 2012, Change the company name from Toyo Boseki)

Established : May 3, 1882

Incorporated: June 26, 1914

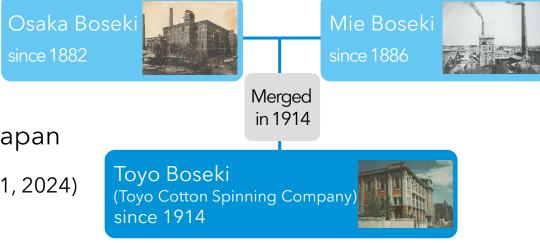
Paid-in Capital: 51,730 million yen

Head Office: 1-13-1 Umeda, Kita-ku, Osaka 530-0001, Japan

Number of Employees: 10,668 (Consolidated) (As of March 31, 2024)

Business Profile : Original business is cotton spinning.

Currently, manufacture, processing, and sales of various products in the fields of film, life sciences, and environmental and functional materials.



140th anniversary in May 2022

Renewal of corporate logo (from April 2022)



Corporate Philosophy Framework "TOYOBO PVVs"



The TOYOBO Group philosophy

"Jun-Ri-Soku-Yu"

was a personal maxim of our founder Eiichi Shibusawa, an industrialist who contributed greatly to Japan's modernization. It has been the foundation of Toyobo Group's business ever since.



Founder Eiichi Shibusawa



Handed down from our founder, Eiichi Shibusawa

Corporate Philosophy Framework TOYOBO PVVs

We systematized "Jun-Ri-Soku-Yu" in 2019.

Principle

"Jun-Ri-Soku-Yu"

Adhering to reason leads to prosperity

Vision

We will continue to create the solutions needed by people and the earth with our materials and science.

Values

We welcome change, enjoy change, and

create change.

TOYOBO Spirit: Challenge, Reliability, Collaboration

Net Sales and Product Example by Segment

95.7

115.3

Others

12.2

Net sales

¥ 414.3 bn.

(FY 3/24)

34.6

TOYOBO

Functional Textiles and Trading

Ratio of net sales 23.1%

◆Airbag fabrics◆Functional textiles◆Apparel fabrics





Airbag fabrics

Apparel fabrics

Environmental and Functional Materials Ratio of net sales 27.8%

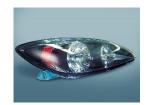
● Resin and chemicals ● Environment and fiber



Industrial adhesives



Thermoplastic polyester elastomer



High-performance polyester resin



Reverse osmosis membranes for seawater desalination



VOC recovery equipment



High-performance fibers



Three-dimensional cushion material

Films Ratio of net sales 37.8%

● Industrial film● Packaging film



Polarizer protective films for I CDs



Food packaging



Mold releasing film for MLCC



Recycled PET film



Transparent vapor-deposited film

Life Science Ratio of net sales 8.3%

- BiotechnologyMedical materials
- Contract manufacturing of pharmaceuticals



156.5

Fully automated Enzymes gene analysis system



Artificial kidney hollow fiber



Bone regeneration inducing materials

Products Topics

TOYOBO

By Segment



Films made from recycled PET

We reduce carbon emissions by approx. 20% by increasing the amount of recycled resin from PET bottles to approx. 80%, at the highest percentage in the world.



Polarizer protective films for LCD TVs

A super retarder polyester film that converts light emitted by liquid crystal into a state that is closer to natural light.

LCD TV market share: Approx. 60% (Our estimate)



Enzymes for biochemical diagnostic reagents

Blood glucose (Diabetes), Cholesterol (Arteriosclerosis), Creatinine (Renal function) etc.

Enzyme market share: Approx. 25%, 2nd in the world

(Our estimate)



Reverse osmosis membranes for seawater desalination

It has excellent chlorine resistance and prevents microbial contamination. It produces high-quality water for domestic use in the Middle East/Arabian Gulf region from high temperature seawater that contains high concentrations of salt.

Share in the above region: Approx. 20% (Our estimate)



VOC recovery equipment for collecting solvents

More than 1,500 units delivered domestically and internationally. Using activated carbon fiber.

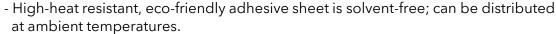
Top share for absorption type (Our estimate)
Introduction of LIB separator plants is progressing.

New Technologies and Products (News in FY3/24)

Practical use of "vitrimers"*

*Highly functional polymer with reforming, self-adhesive and self-healing.
"Vitrimer" is a registered trademark of FONDS ESPCI PARIS.

- Adhesive applications for electronic components on flexible printed circuit boards, etc.
- Demand has increased due to the advent of high-speed data communications and electrification of automobiles.



- Plan to start providing samples, manufacturing and selling the product around the first half of 2024.

MEL (mannosylerythritol lipid)

- Selected for NEDO "Research and Development of Technologies to Promote Biomanufacturing"

 MEL is surfactant of natural origin produced by microorganisms. Start development of revolutionary production systems to expand fields of MEL application.
- Aimed fields of MEL application
 Agricultural spreading agent (reduction of chemical pesticide use)
 Blending agents for feed (reduction of methane gas emissions from cow burps)
 Coating agent for sanitary materials

Development of exosome purification kit "CATAROSEV"

- Consisting of a purification membrane with tiny pores and an ion-exchange function, a cleaning liquid, eluate and other elements
- Success in purifying and recovering circulating exosomes at high yield in the body with highly efficient
- Preparing to provide samples to corporations and research institutions that are aiming to use exosomes in pharmaceuticals and cosmetics to facilitate its early commercialization



Domestic and Overseas Bases, Ratio of Net Sales by Region



Bases in Japan (As of April 1, 2024)



for our textile business **Shogawa Plant**

A domestic base

R&D departments with accompanying facilities

Tsuruga Research and Production Center



Odate Membrane Plant

A new film production base **Utsunomiya Plant**

Research Center (Otsu)

Compliant with GMP of Japan, the United States, and Europe

Otsu Pharmaceuticals Plant

Kyushu Sales branch

Nagoya Branch



Tokyo Branch

The main plant of our film business **Inuyama Plant**

Head Office (Osaka)

A production base for functional resins and fine chemicals

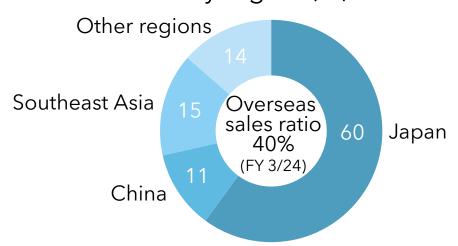
Takasago Plant

Number of overseas bases



North America Central and South America

Ratio of net sales by region (%)

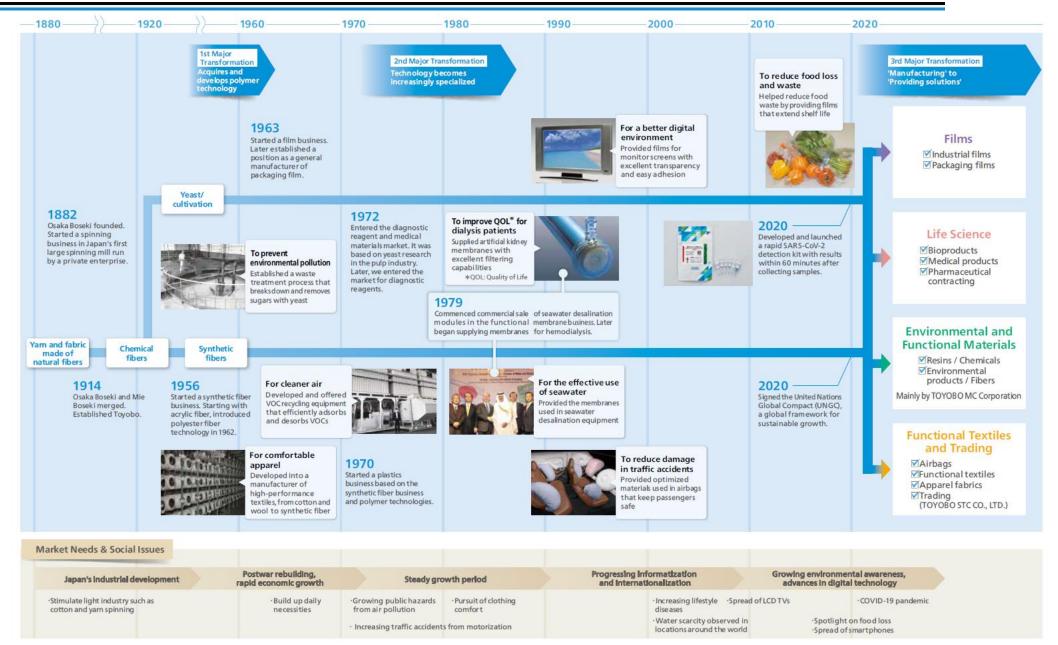




Green products and manufacturing Iwakuni Production Center

Our History (1) The Evolution of Toyobo and its Technology TOYOBO





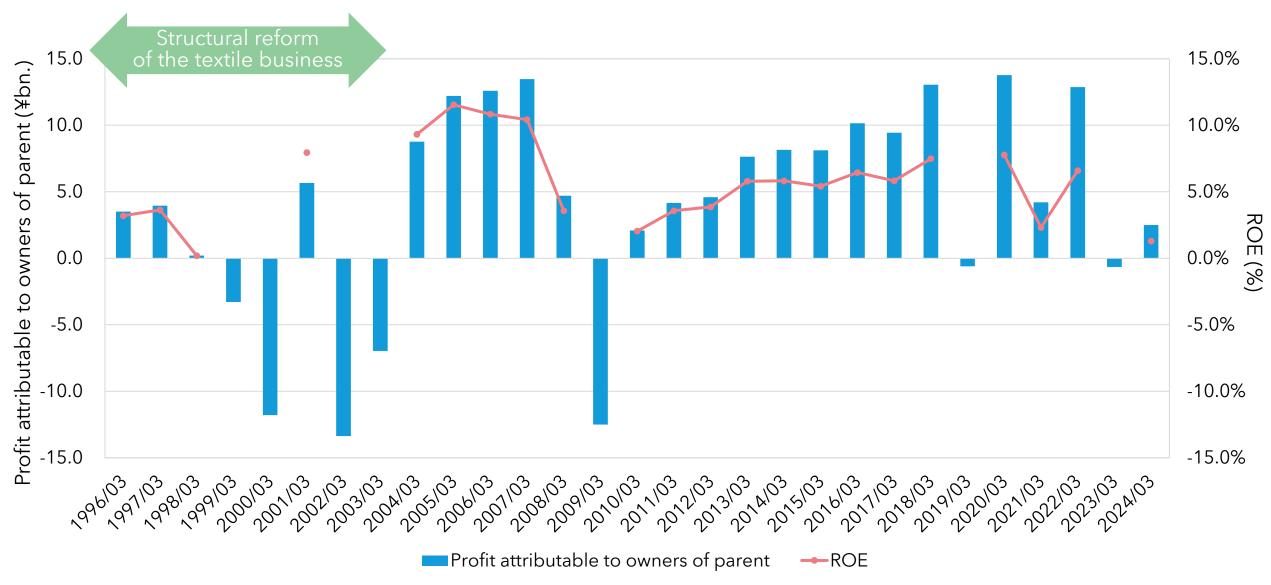
Our History (2) Changes in Profitability





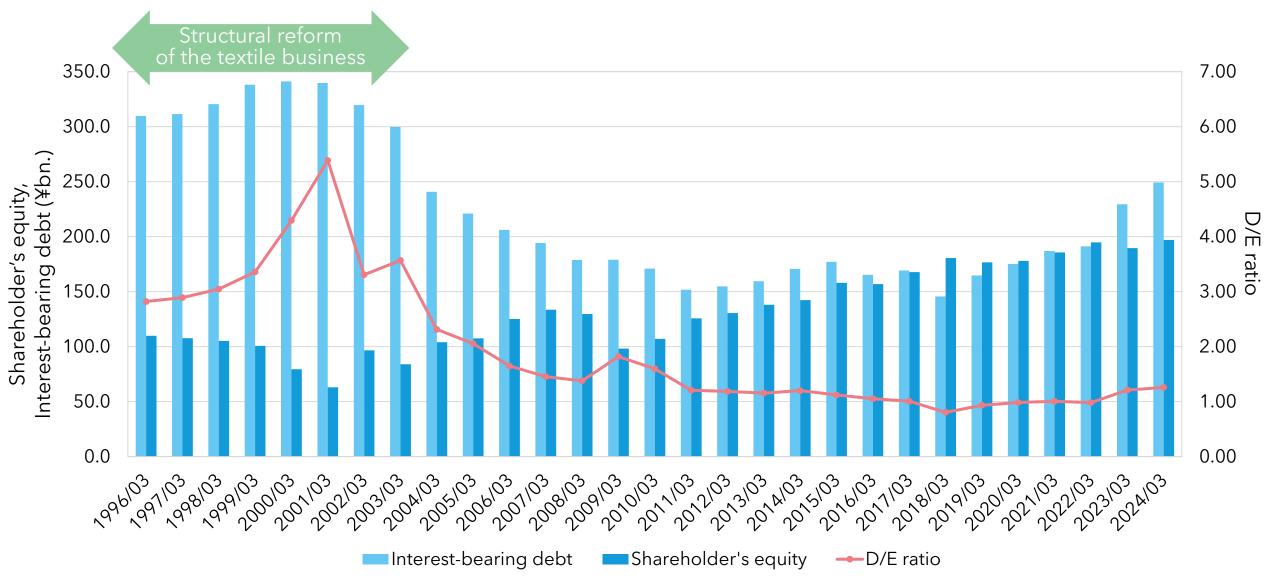
Our History (3) Changes in Capital Efficiency





Our History (4) Changes in Financial Position





FOYOBO

- II. Sustainable Vision 2030, 2025 Medium-Term Management Plan
 - Sustainable Vision 2030
 - 2025 Medium-Term Management Plan (FY 3/23 to FY 3/26)

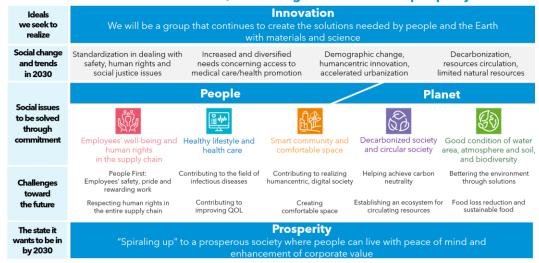
Sustainable Vision 2030, 2025 Medium-Term Management Plan (FY 3/23 to FY 3/26) (1)



Formulating the long-term "Sustainable Vision 2030" and 2025 Medium-Term Management Plan (FY 3/23 to FY 3/26) in May 2022

Total picture of the Sustainable Vision 2030

"Jun-Ri-Soku-Yu", or adhering to reason leads to prosperity



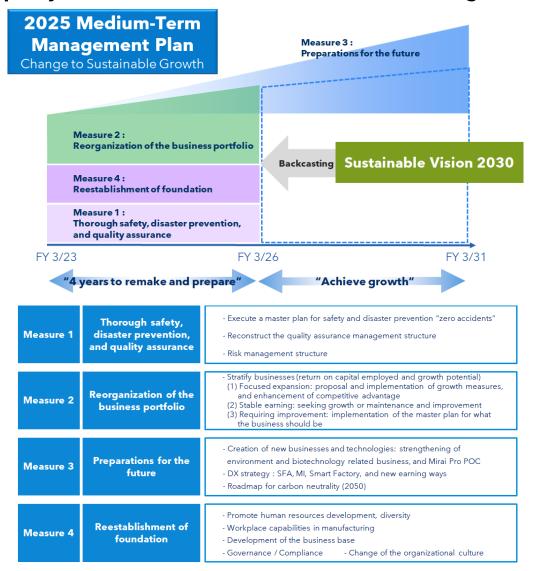
Where we'd like to be in 2030

Realization of a "prosperous" society where people can live with peace of mind and a spiral increase in corporate value

- 1. Contributing to solving social issues through business operations
- 2. Sustainable growth (solid foundation and track for future growth)
- 3. People First (safe working environment where employees can work with peace of mind, pride and rewarding work, self-growth)

Sustainability indices	Financial indices			
Serious incidents	ZERO	Consolidated sales	600 billion yen	
Employee engagement score	Over 70 %	Operating profit margin	Over 8.3 %	
GHG emissions cut (over FY 3/14) Carbon n	Over 46% eutrality in FY 3/51	ROE	Over 9%	
Ratio of green materials in main business operation*	60%	ROIC	Over 7%	

Basic policy and 4 measures of 2025 Medium-Term Management Plan



2025 Medium-Term Management Plan (FY 3/23 to FY 3/26) (2)

Review of first half (FY 3/23 to FY 3/24)

■ Decline in earning power

Deterioration in earnings

Operating profit: 20.0-25.0 billion yen \rightarrow 9.0 billion yen (FY 3/24)

- Deterioration in terms of trade (reduced marginal profit ratio) × sales volume decrease
- + fixed cost/expense increase (offense/defense)
- Deterioration of performance in packaging film and nonwoven materials
- → Change in positioning of business portfolio
- Delay in announcement of investment results and growth strategies (new equipment launch)

Deterioration in financial structure, partly due to upfront large-scale investment D/E ratio: under 1.0 times \rightarrow over 1.2 times (FY 3/24)

- Decline in earning power (= decrease in operating cash flow) + large-scale investment (films, life science, etc.) → negative free cash flow (increase in interest-bearing debt)
- Delays in reorganization of business portfolio caused increase in total assets and capital employed
- Steady progress of "Thorough safety, disaster prevention, and quality assurance," "Preparations for the future," and "Reestablishment of foundation."
- Thorough safety, disaster prevention, and quality assurance: Steady progress toward unwavering trust
- Preparations for the future: Narrowing down of main themes in business development, progress on DX, response to carbon neutral
- Reestablishment of foundation: Human resources investment (training etc.), infrastructure maintenance, uptrend in organizational culture improvement

Change in positioning of business portfolio

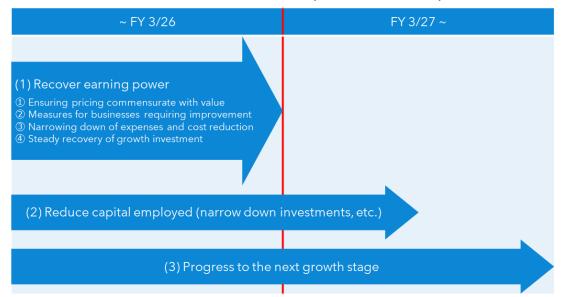
Assess and stratify each business into 4 quadrants with 2 axes: "Profitability" and "Growth potential"

• Profitability: Return on capital employed (ROCE) = Operating profit / Capital employed **Target hurdle rate of 6.5%



- Determine whether the business is a "stable earning business" or a "business requiring improvement," taking into account not only the hurdle rate but also qualitative information.
- The entire Group's capital efficiency indicator is ROIC, and the management indicator for each business is ROCE.

Action for the second half onward (from FY 3/25)



Action for the second half onward (1) Recover earning power: basic policy

① Ensuring pricing commensurate with value	- Follow up on execution of pricing by management: shift price setting from cost based to value based
② Measures for businesses requiring improvement	 Packaging film: Production system revision, early expansion of eco-conscious products, sales expansion for overseas Nonwoven materials: Reorganization of domestic business, production system revision Airbag fabrics, contract manufacturing of pharmaceuticals: Execution of the roadmap to profitability Textiles: Returned to profitability in FY 3/24 → pursue capital efficiency improvement
③ Narrowing down of expense and cost reduction	 Increase in cost competitiveness of business sites and plants Reduction in cost of indirect materials and services Increase in operational efficiency and productivity
④ Steady recovery of growth investment	- Profit increase by realizing effects of growth investments and development investment

2025 Medium-Term Management Plan (FY 3/23 to FY 3/26) (3)



Amount of R&D investments

Action for the second half onward (1) 4 Steady recovery of growth investment

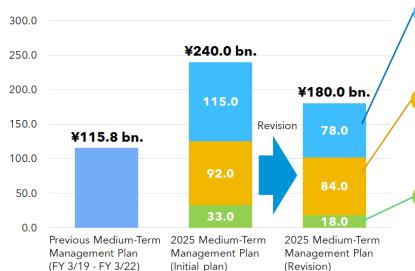
Segment		Investment	Time to realize investment results			
Segment	Details	amount (¥bn., round number)	FY 3/24	FY 3/25	FY 3/26	FY 3/27~
Films	- OPP film equipment (Inuyama) - Processing equipment Unit 2 of mold releasing film for MLCC (Tsuruga) - Equipment of mold releasing film for MLCC (Utsunomiya)	7.0 6.0*1 20.0				
Life Science	- Equipment for raw enzymes for biochemical diagnosis (Tsuruga) - Equipment for reagents for PCR testing and genetic diagnostic reagents (Tsuruga) - Integrated production plant for artificial kidney hollow fiber (Akita)	7.0 6.5 5.0				
Environmental and Functional Materials	- Equipment for high performance resin (Takasago) - Equipment for high performance resin (Iwakuni)	8.0 *2				

Action for the second half onward (2)

**!: Total with Unit 1 **2: Total investment amount of JV

Reduce capital employed: narrow down investments

Revision of CAPEX to reduce by 60.0 billion yen (May 2024)



Growth Investment ¥78.0 bn.

- Industrial film, processing line
- Dialyzer integrated plant
- New wing for biotechnology etc.

Postpone implementation, mainly of projects related to packaging film

Investment for remaking ¥84.0 bn.

- Sophisticate the core system
 Strengthen the foundation, business
- Strengthen the foundation, business maintenance and renewal
- Renewal of business infrastructure

Steady execution after careful examination of priority order

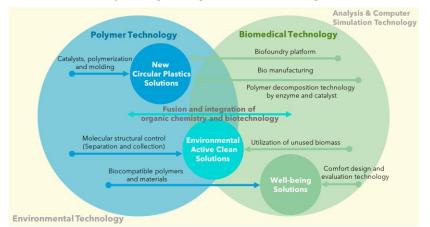
Safety, disaster prevention and environmental investments ¥18.0 bn

- Safety, disaster prevention and quality assurance measures
- In-house power generation,
 gas cogeneration etc.

Steady execution of investments for safety, disaster prevention, and quality assurance

Action for the second half onward (3) Progress to the next growth stage

New domains by integrating core technologies



25.0 20.0 15.0 11.9

5.0

0.0

Annual amount of R&D investments (billions of yen/year) (including intellectual property-related expenses)

FY3/19-FY3/22 FY3/23-FY3/26FY3/27-FY3/31

New creation in three areas

New Circulation Plastics Solution	Conversion to renewable polymer - Highly efficient chemical recycling of used plastics (establishment of R Plus Japan, Ltd., utilization of Anellotech Inc.'s technology) - 100% biomass new plastic such as PEF (Polyethylene furanoate)
Environmental Active Clean Solution	Providing new eco-conscious materials and services - Practical use of "vitrimers"* which is eco-friendly, solvent-free and high-heat-resistant adhesive materials - Energy savings in seawater desalination process using FO membranes (forward osmosis) - Expansion into energy conservation, salt making, wastewater treatment, and recovery of valuable substances using BC membranes (treating high-concentration salt water) - Material for organic photovoltaics: Outstanding energy-saving technology. Achieve the world's highest level of conversion efficiency in a dim room
Well-Being Solutions	Medical materials and devices that meet Unmet Medical Needs - Acute blood purification membrane: Ascites filtration and concentration membrane (CART), therapeutic devices for sepsis - Biocompatible polymer: Polymer that can provide characteristics such as antithrombogenicity, inflammation prevention, and antibiofouling for plastics, metals, medical devices, etc.
	Providing value to the next-generation medicine - "Catarosev": Purification kit to recover exosomes with high efficiency, purity and yield
Cross-domains	Providing petroleum-free and sustainable materials through "biomanufacturing" - MEL: Providing surfactants produced by microorganisms as agricultural spreading agent, blending agents for feed, coating agent for sanitary materials, etc. X Selected for NEDO "Research and Development of Technologies to Promote Biomanufacturing"

2025 Medium-Term Management Plan (FY 3/23 to FY 3/26) (4)

Initial plan: May 2022



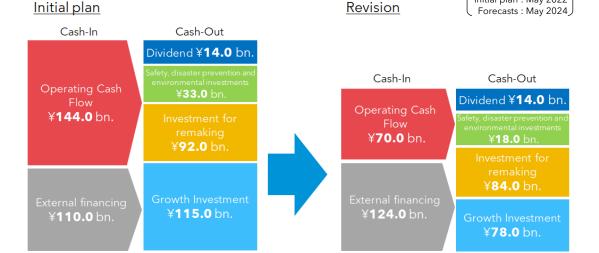
Financial indicators

iancial indicators						casts : May 2024	
	FY 3/22	FY 3/23	FY 3/24	FY 3/26		FY 3/26	
	Results	Results	Results	Forecasts		Initial plan	
Net sales (¥bn.)	375.7	399.9	414.3	450.0		450.0	
Operating profit (¥bn.)	28.4	10.1	9.0	25.0		35.0	
(Ratio to sales) (%)	7.6	2.5	2.2	5.6		7.8	
EBITDA (¥bn.)*1	48.5	29.1	28.8	51.0	4	63.0	
Profit attributable to owners of parent (¥bn.)	12.9	- 0.7	2.5	9.0		15.0	
ROE (%) *2	6.8	-	1.3	≧ 4.5	T	≥ 7.0	
ROIC (%) *3	5.1	1.7	1.3	≧ 4.0	,	≧ 5.0	
D/E ratio	0.98	1.21	1.26	< 1.40		< 1.20	
Net Debt / EBITDA ratio *4	3.4	5.8	7.5	< 5.0		< 5.0	
CAPEX (FY 3/2)	CAPEX (FY 3/23-FY 3/26 cumulative) (¥bn.) 180.0						

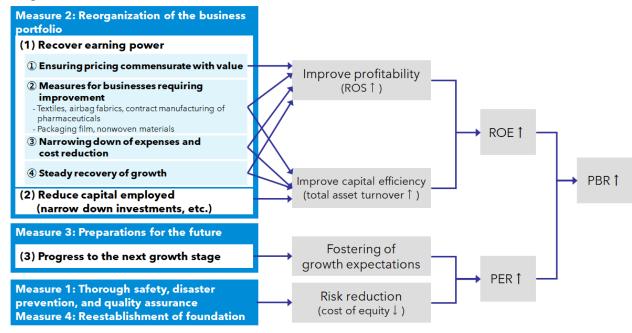
^{*1} Operating profit + Depreciation (includes goodwill) *2 *Profit / Beginning and ending balance average shareholder's equity *3 *NOPAT / (Interest-bearing debt + Net assets) *4 (Interest-bearing debt - Cash and deposits) < Ending > / EBITDA

Cash flow allocation (FY 3/23 to FY 3/26)

CAPEX: Prioritization of safety, disaster prevention, and environmental response, and revision according to decrease in operating cash flow



Management that is conscious of cost of capital and stock price: improvement of ROE and ROIC



Shareholders returns

The policy during the term of 2025 Medium-Term Management Plan

Aim for a total return ratio of 30% (share buybacks are also included as an option), based on continually provide a stable dividend, in a comprehensive consideration of such factors as sustainable profit levels, retention of earnings for future investment and improving the financial position.

TOYOBO

- Ⅲ. Expanding Businesses in 2025 Medium-Term Management Plan
 - Films Business
 - Life Science Business
 - Environmental and Functional Materials Business

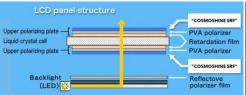
Films Business

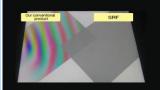
TOYOBO

Main Products

Industrial Film

Materials: Polyester, etc.





Polarizer protective films for LCDs "COSMOSHINE SRF"

- Polyester-based super retarder film.
- Elimination of coloration (rainbow pattern) caused by birefringence
- Our strengths: Handling ability (superior dimensional stability, low degree of warping), price competitive
- LCD TV share: Approx. 60% (Our estimate)
- Future Development: Pursue thickness reduction

Mold releasing film for MLCC

- Our strengths: Integrated manufacturing from film forming to coating, film forming technology that realizes superior smoothness, lineup from general-purpose items to high-end products
- Final products: Developed for automotive and smartphone applications
- Share: Approx. 25 % (Our estimate), a world-leading share

Packaging Film

Possesses multiple materials: Polyester, Nylon, Polypropylene, Polyethylene Applications: Food packaging films, laminating films for cans, etc. Share: Top share overall in Japan (Our estimate)

Transparent vapor-deposited film "ECOSYAR"

- Binary vapor deposition of alumina and silica. Both flexibility and gas barrier property
- Extend food's best before date
- Market: Growth rate of 10% per year globally

Recycled PET film "CYCLE CLEAN"

- Uses of 80% recycled resin, reduces CO₂ emissions by approx. 20%

Growth strategy

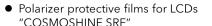
To be the world's leading green film maker

Increased production and expansion of highly functional film * Compared to FY 3/22

Mold releasing film for MLCC

- New inline coating equipment 7
- Processing equipment Unit 2
- Horizontal recycling

Approx. 2.5x increase in production capacity



- Establish system for increased production through thinner films and modification of existing production lines



New manufacturing equipment to be built at the Utsunomiya Plant

Development of new highly functional film

- Expand implementation of PEN film (wind power generation (isolation), sealers for fuel battery cells)
- Development of post-"COSMOSHINE SRF", post-mold releasing film for MLCC (semiconductor process, eco-conscious, foldable)



New MIRAI fuel cell unit

Contribute to decarbonized and circulating society

- Expand into new markets
- ~ Eco-Conscious Products ~
- Shift from can coating to laminate films. Shift from release paper for labels to release films
- Expand development of areen film
- Resource conservation through volume reduction by using film with high rigidity (operation of new equipment for OPP film)
- 100% bio-based resin film
- Film using recycled raw materials
- Recycling of used processing film from within and outside the Company

Net sales target (¥bn.)



Operating profit target (¥bn.)



Life Science Business

TOYOBO

Main Products

Biotechnology

Our strengths: Technology for making high-functionality proteins

Enzymes, research reagents, diagnostic systems for genetic testing

- Example of enzymes: PCR enzymes
- →amplify rapidly, copy accurately, highly resistant to contaminants Share: Domestic approx. 15%
- ← Pre-Corona approx. 5% (Our estimate) Top 3 in Japan Example of research reagents: Detection kit for COVID-19
- → Short time testing is possible

Enzymes for biochemical diagnosis

(Blood glucose, Cholesterol, Creatinine etc.)

- Genetic recombination technology for microorganisms →functional modification and mass production of enzymes, Large product lineup
- Share: Approx. 25% (Our estimate) (2nd in the world)
- Overseas sales ratio: Approx. 70%

Medical materials

Hollow-type separation membranes: Separation membranes with microscopic pores in the cross section of the hollow fiber Our strengths: Membrane production technology (control of pore size, design of cross-sectional structure)

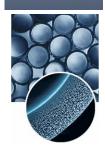
Artificial kidney hollow fiber

- Excellent biocompatibility due to cellulose-based membranes
- Share: Global 6% (domestic approx.20%, China13%, etc.)

Virus removing membranes

- Membrane that separates antibodies and viruses for use in the final manufacturing process for antibody drugs. Hollow-fiber structure allows for a large treatment volume





Enlarged cross-sectional view of hollow fiber

- Antibody drugs are a growing market tripling in size over the ten years period

Growth strategy

Global Niche Category Leader Strategy

Biotechnology business

- Raw enzymes for biochemical diagnosis
- Production capacity expansion, approx. 1.5x increase in production capacity (from 2024), and expansion of overseas development
- Expansion of solutions business for infectious diseases
- New equipment for raw materials for genetic diagnostic reagents Approx. 3x increase in production capacity (from 2024)
- Development of biotechnology in other markets
 - Biomanufacturing (agricultural spreading agent)

Medical materials business

- Increase production of artificial kidney hollow fiber while closely watching overseas development
- Integrated production plant jointly with Nipro Corporation (from 2024, Odate City, Akita Prefecture)
- Expansion of applications for acute blood purification membranes and process membranes
 - CART membranes (ascites filtration and concentration). virus removing membranes, filtration membranes for culture media
- Expansion of biomaterials business

FY 3/25

Expected

- Antithrombogenic polymer "SEC ONE SURFACE"

FY 3/26

Forecast

Establishment of Medical Research Laboratory

- Located in Research Center (Otsu City, Shiga Prefecture)
- Opening ceremony on 8 April 2024
- Strengthen research and development system for medical products



Integrated production plant for ČTA dialvzer

FY 3/26

Forecast

FY 3/31

- Located in Nipro Corp. Odate Factory (Odate City, Akita Prefecture)
- Our company make hollow fibers from raw materials

Net sales target (¥bn.) Operating profit target (Ybn.) 20.0 100.0 80.0 0.08 15.0 12.0 60.0 40.0 10.0 38.0 (Initial plan 43.0) 4.0 40.0 (Initial plan 7.0) 5.0 20.0

FY 3/31

0.0

XFY 3/26 Forecast as of May 2024 (Initial plan as of May 2022)

FY 3/25

Expected

Environmental and Functional Materials Business

TOYOBO

Main Products

VOC recovery equipment

- VOC recovery system using high-performance activated carbon fiber
- Purification and recovery of industrial wastewater
- Accelerate global development in the LIB growth market due to the shift to electric vehicles

"VYLON", "HARDLEN"

- Resins used as a film adhesive and an adhesion promoter for polyolefin. Adhesiveness, durability, etc.
- Expand sales of LIBs and FPCs to overseas markets

Engineering plastics

- Automotive parts applications account for the majority
- Features include light weight, heat resistance, good appearance, etc.
- Weight reduction and higher performance according to the trend of shifting to electric vehicles. Expand sales of products overseas

Reverse osmosis membranes for seawater desalination

- Excellent chlorine resistance, prevents microbial contamination
- Producing high quality domestic water in the Middle East Gulf countries with high temperature and high-density seawater

High-performance fibers

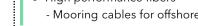
- "IZANAS": Strength, light weight, water resistance, shock absorption, etc.
- "Zylon": World's highest level of strength, modulus of elasticity, heat resistance, etc.
- Expanding to floating offshore wind power generation.







0.0



FY 3/25

Expected

Growth strategy

Becoming a new functional materials manufacturer with a presence in global markets

Resin and chemicals business

- Engineering plastics
 - EV response, expansion of OEM for overseas companies
- "VYLON" "HARDLEN"
 - Lithium-ion battery pouch applications, high-speed transmission applications (low dielectric)
 - Practical use of "vitrimers" (adhesive sheets for electronic materials)

* "Vitrimer" is a registered trademark of FONDS ESPCI PARIS

Environment and fiber business

- VOC recovery equipment
 - For lithium-ion battery separator plants
- Water treatment membrane
- FO membranes (energy savings in seawater desalination process, osmotic pressure power generation), BC membranes (wastewater treatment etc.)
- High performance fibers
 - Mooring cables for offshore floating wind power generation

FY 3/26

Forecast

Joint venture company between Toyobo Co., Ltd. and Mitsubishi Corporation in functional materials

TOYOBO MC Corporation

started operations

- Investment ratio: Toyobo Co., Ltd. 51%, Mitsubishi Corporation 49%
- Aims: Combining our product and technology development capabilities with Mitsubishi Corporation's broad industry knowledge and management expertise
- Launch date: April 1, 2023

12.5

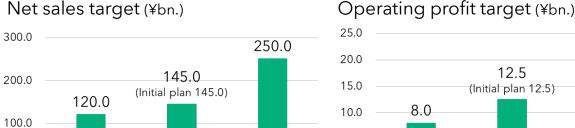
FY 3/26

Forecast

Environmental and Functional Materials Business, which are "stable earning businesses", aims to expand and grow with TOYOBO MC Corporation

20.0

FY 3/31



FY 3/31

XFY 3/26 Forecast as of May 2024 (Initial plan as of May 2022)

FY 3/25

Expected

TOYOBO

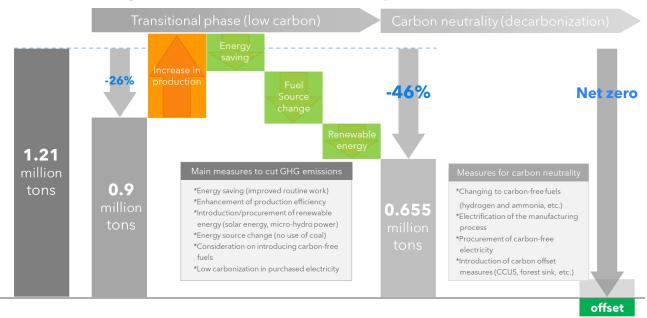
IV. ESG

- Environment
- Social
- Governance

Environment: Climate Change

TOYOBO

◆ Roadmap for Carbon Neutrality (Scope1,2)



FY 3/14 FY 3/21 FY 3/31

♦ Initiatives to Reduce GHG Emissions

● Fuel conversion (away from coal)
Renewing our in-house thermal power generation plant at the Iwakuni Production Center (construction completed in October 2023)

Reduction rate GHG (compared to FY 3/14) emissions (thousand Results **Targets** tonnes-CO₂) (FY 3/23) (FY 3/31) 712 Scope1 At least 26.4% 46% 182 Scope2 Scope3 5,290

FY 3/51

- Conversion from coal to liquefied natural gas and RPF*
 - *Solid fuel made mainly from used paper and waste plastic
- Expected to reduce GHG emissions of 80 thousand tonnes per year
- → Equivalent to approx. 40% of FY 3/14 emissions at the Iwakuni Production Center
- Introduction of renewable energy Installation of solar power generation equipment at the Inuyama Plant (in operation since March 2023)

◆ External Evaluation

 Selected as constituent of all six Japanese ESG indices adopted by GPIF

FTSE Blossom Japan Index

FTSE Blossom Japan Sector Relative Index

MSCI Nihonkabu ESG Select Leaders Index

MSCI Japan Empowering Women (WIN) Select Index

S&P/JPX Carbon Efficient Index

Morningstar Japan ex-REIT Gender Diversity Tilt Index



FTSE Blossom Japan Sector Relative Index



FTSE Blossom Japan



2024 CONSTITUENT MSCI JAPAN EMPOWERING WOMEN INDEX (WIN)



- Selected as Supplier Engagement Leader (2021, 2022)

CDP's Supplier Engagement Rating assessment evaluates a company's engagement with their supply chains on climate change issues.



*CDP is a British not-for-profit organization that runs a global disclosure system on supply chain environmental impacts

Validated by SBT Initiative (December 2022)
 GHG emission reduction targets certified
 by the SBT initiative as science-based targets



< Targets approved by SBTi >

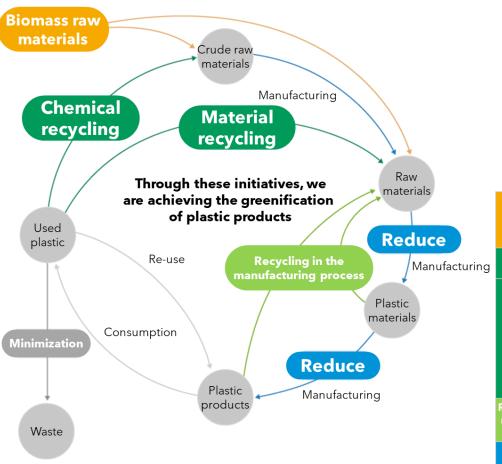
GHG emissions by FY 3/31 compared to FY 3/21 Scope1,2 27.0% reduction, Scope3 12.5% reduction

Plastic Resource Circulation and Eco-Conscious Products



♦ Our group-wide efforts for plastics resource circulation

In Sustainable Vision 2030, we set a target of ratio of green materials in films business operation for 60% in 2030. Through this greening, we will contribute to reducing the use of petroleum-derived resources and making them alternative.



Percentage of green films

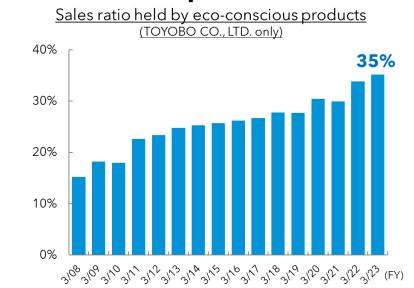
Results FY 3/23 11 % Targets FY 3/31 60 % FY 3/51 100 %

In FY 3/23, we studied the calculation method of the green ratio and calculated the actual results.

Examples of film products related to resource circulation

resource circulation				
Biomass raw materials	Plant-derived raw materials ● "BIOPRANA" 100% biomass resin ● PEF (Polyethylene furanoate)			
Chemical recycling	Chemical recycling to crude raw materials ● R Plus Japan, Ltd.			
Material recycling	Use of recycled resin "CYCLE CLEAN" "SPACECLEAN" "Crisper" "KAMISHINE" "RESHINE" Enabling recycling through use of mono-material "PYLEN EXTOP" "ECOSYAR" Resistant to thermal degradation even after repeated recycling "TOYOBO GS Catalyst"			
Recycling in the manufacturing process	"KAMISHINE NEO" Recycling of mold releasing film for MLCC			
Reduce	Volume reduction, thickness reduction ● "SPACECLEAN" "PYLEN EXTOP" Food loss reduction ● "ECOSYAR"			

♦ Eco-conscious products



"ECO-PARTNER SYSTEM"

Our unique system to certify products that meet evaluation standards from five aspects* as eco-conscious products (in operation since 1998) Considering expanding the scope of application to include group companies

*Preventing climate change, resource conservation, waste reduction, reduction of chemical substance use, biodiversity and other

Hollow fiber reverse osmosis membranes (RO membranes)

- Possible to produce fresh water from seawater with low energy. Substantial reduction in CO₂ emissions by comparison with the multi-stage flush method.

- Made mainly from biomass material

VOC* recovery equipment

*volatile organic compounds

- Contributes to the reduction of emissions and recovery and reuse of organic solvents such as methylene chloride, ethyl acetate, toluene, and IPA etc.
- Incorporates "K-FILTER", unique activated carbon fiber. Enables high quality solvent recovery and energy savings.



Social: Human Capital and Respect for Human Rights

TOYOBO

♦ Human resource management

Each individual can work with a sense of growth, pride, and satisfaction.

4 policies of new human resource system (from July 2022)

- Promoting and supporting capacity building
- Treating and evaluating in accordance with job responsibilities
- Enhancing management skills
- Encouraging the active participation of diverse professional human resources

♦ Promotion of diversity

Initiatives	Results (FY 3/24)	Targets (FY 3/26)
Ratio of women in managerial positions	5.5 %	5.0 % or above
Ratio of men employees taking childcare leave Average number of days	97.7 % 19.3 days	Over 80 % 14 or more days (20% increase from FY3/21)

Main measures implemented

- Women leader development seminars (cumulative number of participants: 189)
- Maintain women's share of new graduate recruitment at a level of at least 40%
- Notification to men employees taking paternity leave and their superiors, and interviews before and after the leave
- Babysitter support system, establishment of a nursery within the company $% \left(1\right) =\left(1\right) \left(1\right)$



◆ Employee engagement (from 2021)

Launched a survey on organizational climate and job satisfaction, targeting all officers and employees

	Results (FY 3/23)	Targets (FY 3/26)
Employee engagement score	55 %	Over 70 %

♦ Respect for human rights

Respect basic human rights of all stakeholders, including officers and employees, in accordance with TOYOBO Group Human Rights Policy

- Survey on human rights of our group (non-consolidated in FY 3/23)
- At our domestic (non-consolidated) business sites, we conducted a Labor and Human Rights survey
- For technical intern trainees from overseas, we surveyed at relevant business sites
- Human rights-related education and training
- CSR procurement survey
- For risk assessment, we conduct questionnaire surveys every other year aimed at major business partners worldwide, based on our CSR Procurement Guidelines. (FY 3/22, FY 3/24)
- Expansion of target suppliers to group companies (approximately 500 companies) in FY 3/24



Evaluation scores of CSR procurement survey (FY 3/22)

◆ External evaluation

First certified as a top tier company Outstanding Health and Productivity Management (March 2023)

A joint program between the Ministry of Economy, Trade and Industry and Nippon Kenko Kaigi. This program recognizes companies of varied size that practice particularly outstanding health and productivity management

d 健康経営優良法人 Health and productivity ホワイト500

Certified as the Eruboshi Certification (second level) (December 2021)

The Eruboshi Certification is awarded to companies that demonstrate outstanding implementation of initiatives related to participation and advancement by women in the company under the Act on Promotion of Women's Participation and Advancement in the Workplace.

Certified as a Platinum Kurumin (July 2023)

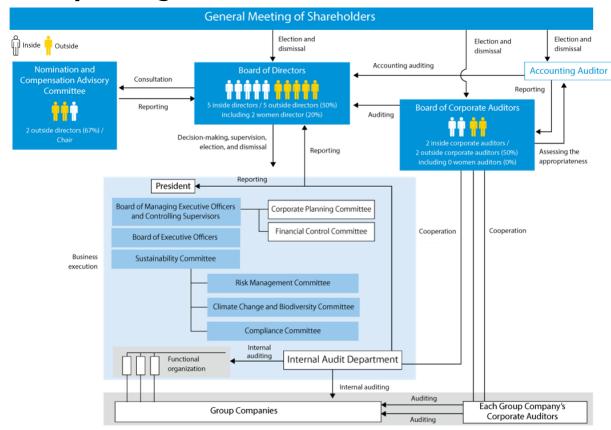
The Platinum Kurumin certification is awarded to companies that have achieved a higher level of initiative, such as the introduction and use of systems to support a balance between childcare and work



Governance



◆ Corporate governance structure (as of June 2023)



♦ Initiatives to strengthen corporate governance

- From 2022, increased the number of independent outside directors by one to five. The ratio of outside directors was increased to 50%, and monitoring was strengthened. Management skills enhanced.
- From 2023, increased the number of female outside directors by one to two.

Skill matrix for Directors (as of June 2024)

			Of the experi	ence and back	ground requir	ed by the com	pany, skills the	at are particula	ırly beneficial
	Name	Position	Corporate Management	Production/ Technology/ Development	Marketing/ Sales	Finance/ Accounting	Environment / Society	Governance/ Risk Management /Compliance	IT/DX
	Seiji Narahara	Chairman & Director	0			0	0	0	
	Ikuo Takeuchi	President & Representative Director, CEO & Co-COO	0		0		0	0	0
Inside	Taichi Sakai	Representative Director, Senior Managing Executive Officer		0			0	0	0
	Takahito Sagara	Director, Managing Executive Officer		0	0			0	0
	Takehiko Inada	Director, Managing Executive Officer	0			0	0	0	
	Takafumi Isogai	Outside Director		0			0		
0	Kimie Sakuragi	Outside Director			0		0	0	
Outside	Masaaki Harima	Outside Director					0	0	
de	Hiroshi Fukushi	Outside Director	0	0	0				0
	Shoko Takase	Outside Director		0	0				0

♦ Officer compensation system

Basic compensation: Short-term incentive compensation*: Long-term incentive compensation = 6:3:1 (guideline of ratio)

(Fixed portion by position) (Reflect the previous fiscal year's company-wide performance and the performance of the department under charge)

(Compensation for granting restricted shares)

*Short-term incentive compensation

- EBITDA is used as a KPI for company-wide performance (linking it to the goals of 2025 Medium-Term Management Plan)
- Performance of the department under charge is taken into account the degree of operating income achieved, ROA, EBITDA, and other factors in the department under charge.
- The Board of Directors decided to incorporate sustainability indices into short-term incentives for executive compensation from July 2024.

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V. Stock Information

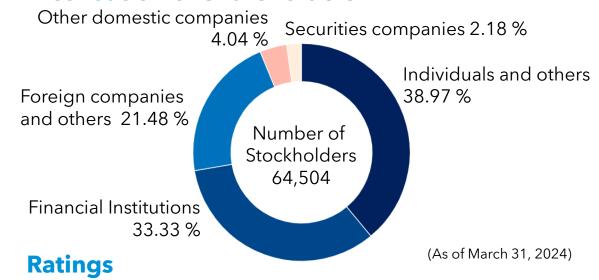
Stock Information



Stock Listings	The Prime market of the Tokyo Stock Exchange
Stock Code	3101
Common Stock	Authorized: 200,000,000 shares Issued: 89,048,792 shares (Including 949,992 shares of treasury stock)
Paid-in Capital	51,730 million yen

Distribution of Shareholders

(As of March 31, 2024)



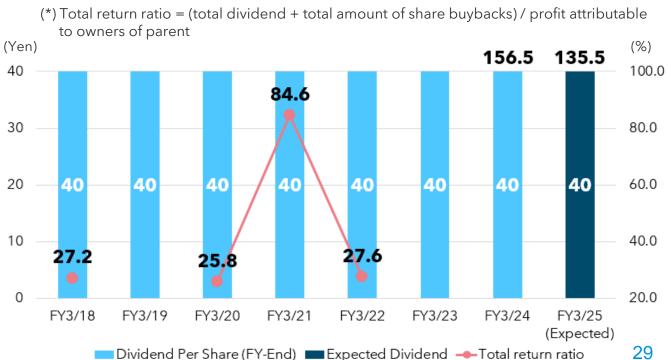
Rating Agency	Rating Date	Rating
Rating & Investment Information (R&I)	January 30, 2024	A-
Japan Credit Rating Agency (JCR)	February 27, 2024	Α

Stock Prices (Highest / lowest stock prices for the past five years)

Fiscal year	FY 3/19	FY 3/20	FY 3/21	FY 3/22	FY 3/23
Highest (yen)	1,684	1,687	1,505	1,134	1,182
Lowest (yen)	903	1,033	1,046	979	980

Basic Policy Regarding Earnings Distribution

Target total return ratio (*) of 30%.



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W. Links

Links



Investor Relations TOP https://ir.toyobo.co.jp/en/ir.html

- ✓ Business Results Presentation https://ir.toyobo.co.jp/en/ir/library/presentation.html
- ✓ Sustainable Vision 2030 https://www.toyobo-global.com/sustainability/group_sustainability/vision/
- ✓ 2025 Medium-Term Management Plan (FY3/23-FY3/26) https://ir.toyobo.co.jp/en/ir/library/plan.html
- √ 2023 Integrated Report (Year Ended March 31, 2023) https://ir.toyobo.co.jp/en/ir/library/integrated.html
- ✓ Business Briefing (Films Business, Life Science Business, Environmental and Functional Materials Business)

 https://ir.toyobo.co.jp/en/ir/library/meeting.html
- ✓ Factbook https://ir.toyobo.co.jp/en/ir/library/fact.html
- ✓ Company Brochure https://www.toyobo-global.com/pdf/company/profile/companyguide.pdf



The business performance forecasts and targets included in the business plans contained in this presentation are based on information known to the Company's management as of the day of presentation. Please be aware that the content of the future forecasts may differ significantly from actual results, due to a number of unforeseeable factors.

TOYOBO CO., LTD.

