Securities ID code: 6859

ESPEC CORP.

Financial Results for Q1 of FY2026
(Fiscal Year Ending March 31, 2027)

August 21, 2026

FY2026 First Quarter Financial Summary

- In terms of orders received, orders were strong in the AI semiconductor field and satellite communications field, the target markets of the medium-term management plan, while Europe and South Korea also recovered. Orders received increased substantially compared with the same period last year and the forecast.
- While net sales increased from the same period last year, the timing of recording sales from large orders for environmental test chambers and energy device equipment was postponed to Q2 due to customers' circumstances, causing net sales to fall below forecast.
- In terms of operating profit, although SG&A expenses increased in line with growth in orders received, operating profit increased year on year due to higher revenue, but fell below forecast mainly due to the postponement of the timing of recording sales in the Equipment Business.

	Year on Year		Comparison with Forecasts	
Orders Received	Increase	Orders increased in the Equipment Business (environmental test chambers, energy device equipment), while orders decreased in the Service Business (laboratory testing services) and the Other Business.	Above	Orders exceeded forecast in the Equipment Business (across all product categories) and the Other Business, but fell short in the Service Business, mainly due to laboratory testing services.
Net Sales	Increase	Net sales increased in the Equipment Business (environmental test chambers) and the Other Business but decreased in the Service Business (laboratory testing services).	Below	All businesses were below forecast. The Equipment Business fell short of forecast mainly because the timing of recording sales from large orders was postponed to Q2, while laboratory testing services in the Service Business fell short.
Operating Profit	Increase	Operating profit rose in the Equipment Business due to higher revenue but declined in the Service Business mainly due to lower revenue from laboratory testing services. The loss in the Other Business narrowed.	Below	Operating profit fell short of forecast mainly due to the postponement of the timing of recording sales in the Equipment Business to Q2, and lower revenue from laboratory testing services.
Profit Attributable to Owners of Parent	Increase	Profit increased due to higher operating profit.	Below	Profit fell below forecast because operating profit fell short of forecast.

■ Shareholder returns Dividend forecast: Interim ¥45, Year-end ¥70, Annual ¥115 Payout ratio: 41.2%
Share repurchases by the Company: Completed the acquisition of 900,000 shares for ¥3.2 billion from November 14, 2025 to July 30, 2026
Announced the repurchase of up to 1,300,000 shares (6.07% of total shares outstanding) for a total of up to ¥6.0 billion from August 7, 2026 to July 31, 2027

Summary of Profits and Losses

(Millions of yen)	FY2025 1Q Results	FY2026 1Q Results	Year on Year
Orders Received	18,921	22,811	+20.6%
Net Sales	12,323	13,922	+13.0%
Cost of Sales	8,125	9,187	+13.1%
Cost Ratio	65.9%	66.0%	+0.1pt
Gross Profit	4,197	4,735	+12.8%
Profit Ratio	34.1%	34.0%	-0.1pt
SG&A	3,862	4,353	+12.7%
SG&A Ratio	31.3%	31.3%	±0pt
Operating Profit	335	382	+14.1%
Profit Ratio	2.7%	2.7%	±0pt
Ordinary Profit	344	527	+53.1%
Profit Ratio	2.8%	3.8%	+1.0pt
Profit Attributable to Owners of Parent	107	155	+43.9%
Profit Ratio	0.9%	1.1%	+0.2pt

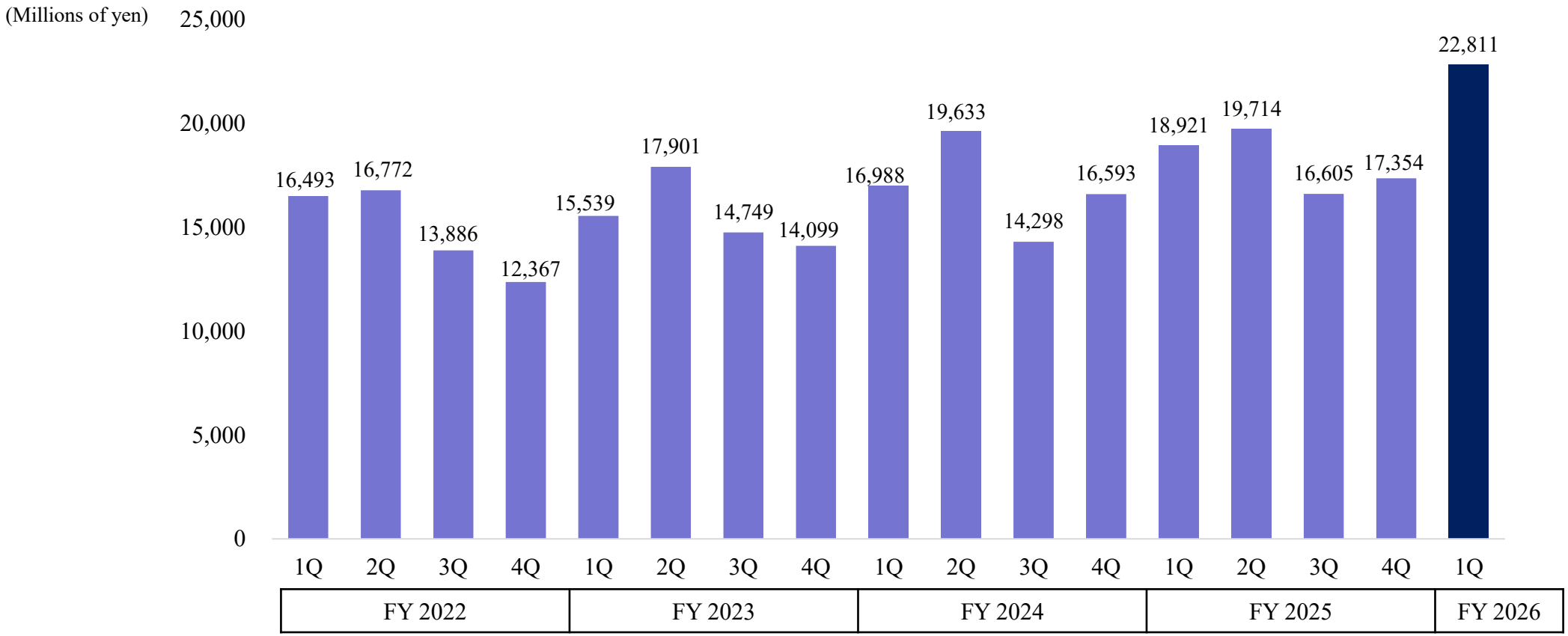
Performance by Segment

	(Millions of yen)	FY2025 1Q Results	FY2026 1Q Results	Year on Year
Equipment Business	Orders Received	15,755	20,341	+29.1%
	Net Sales	10,344	11,963	+15.7%
	Operating Profit	418	480	+14.8%
	Profit Ratio	4.0%	4.0%	±0pt
Service Business	Orders Received	2,266	2,077	-8.3%
	Net Sales	1,832	1,763	-3.8%
	Operating Profit	-41	-74	-
	Profit Ratio	-2.3%	-4.2%	-1.9pt
Other Business	Orders Received	1,025	531	-48.1%
	Net Sales	256	330	+29.1%
	Operating Profit	-41	-20	-
	Profit Ratio	-16.4%	-6.2%	+10.2pt
Elimination	Orders Received	-125	-139	-
	Net Sales	-109	-134	-
	Operating Profit	-0	-3	-
Total	Orders Received	18,921	22,811	+20.6%
	Net Sales	12,323	13,922	+13.0%
	Operating Profit	335	382	+14.1%
	Profit Ratio	2.7%	2.7%	±0pt

Trends in Orders Received per Quarter

Orders received were strong in the AI semiconductor field and satellite communications field (up approx. 20% year on year in the target markets). By area, North America and China performed strongly, while Europe and South Korea also recovered. Quarterly orders received increased significantly, exceeding ¥20.0 billion for the first time.

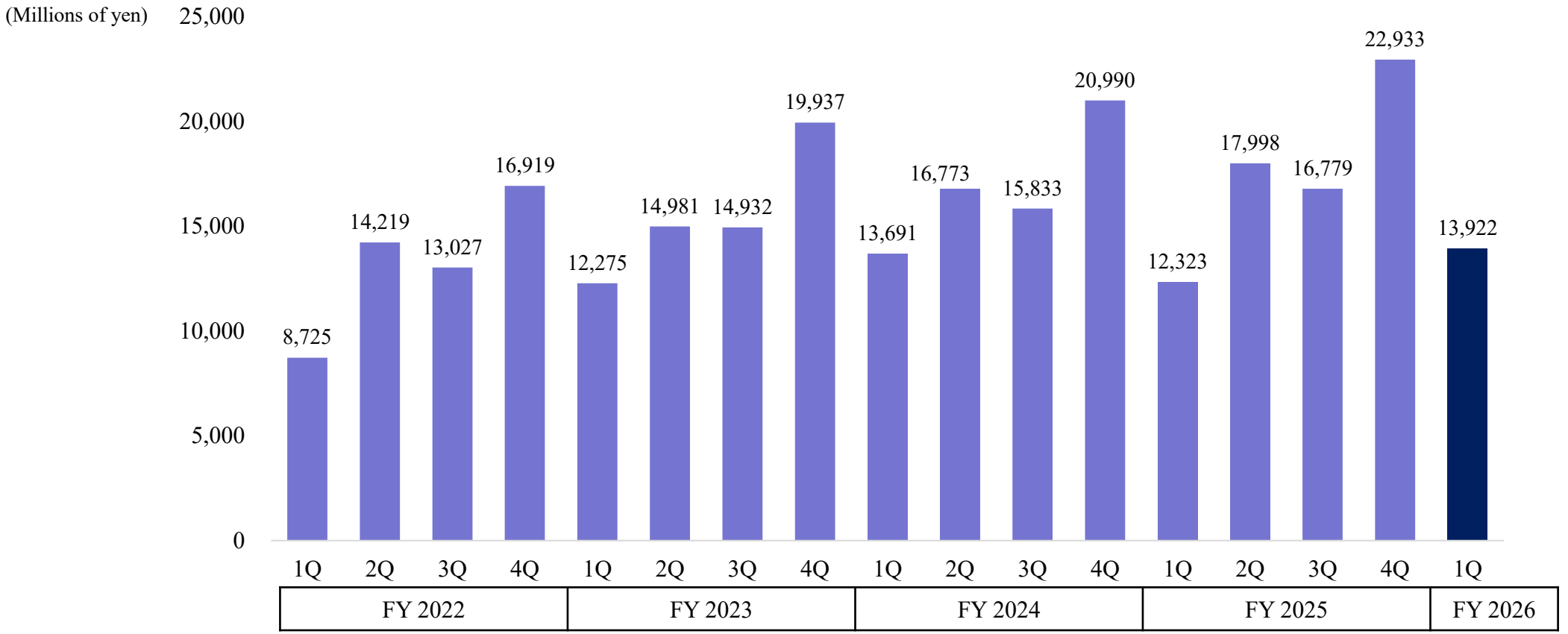
Trends in Orders Received per Quarter



Trends in Orders Received per Quarter

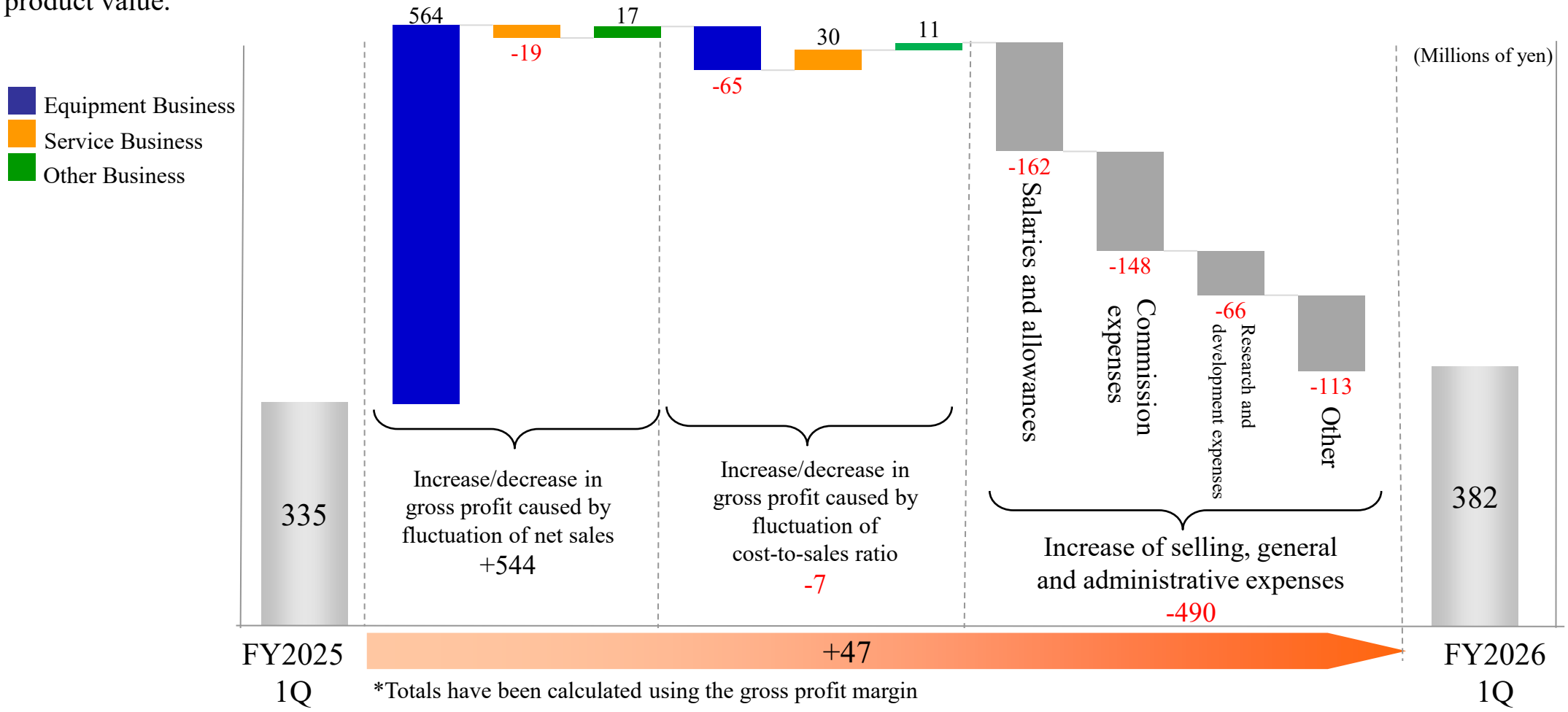
Net sales increased year on year, despite the postponement of the timing of recording sales from large orders for environmental test chambers and energy device equipment to Q2, mainly due to customers' circumstances.

Trends in Net Sales per Quarter



Analysis of Operating Profit Increase and Decrease Factors

- In the Equipment Business, operating profit increased due to higher revenue, although the cost of sales ratio deteriorated primarily in the China market.
- In the Service Business, operating profit decreased due to lower revenue from laboratory testing services, although profitability improved by revising technical support fees for after-sales services.
- SG&A expenses increased due to higher activity costs resulting from growth in orders received and expanded R&D expenses aimed at enhancing product value.



Equipment Business

(Millions of yen)	FY2025 1Q Results	FY2026 1Q Results	Year on Year
Orders Received	15,755	20,341	+29.1%
Net Sales	10,344	11,963	+15.7%
Operating Profit	418	480	+14.8%
Profit Ratio	4.0%	4.0%	±0pt

Environmental Test Chambers

- In Japan, orders received for highly versatile standardized products and customized products remained mostly unchanged from the same period last year. Net sales decreased due to the postponement of the timing of recording sales from large orders to Q2.
- Overseas, orders received significantly increased year on year in North America and China, and also increased in Europe, South Korea, and Southeast Asia. Net sales increased in North America, China, Southeast Asia, and Taiwan, but decreased in South Korea.

Energy Device Equipment

- Orders received increased year on year as orders were acquired for EV battery charge-discharge evaluation systems.
  Net sales decreased due to the postponement of the timing of recording sales from large orders to Q2.

Semiconductor Equipment

- Although testing demand was firm, orders received and net sales both decreased in Q1.

Service Business

(Millions of yen)	FY2025 1Q Results	FY2026 1Q Results	Year on Year
Orders Received	2,266	2,077	-8.3%
Net Sales	1,832	1,763	-3.8%
Operating Profit Profit Ratio	-41 -2.3%	-74 -4.2%	- -1.9pt

After-Sales Service and Engineering

- Both preventive maintenance services and repair services remained firm, with increases in both orders received and net sales year on year.

Laboratory Testing Services and Facility Rentals

- In laboratory testing services, orders received and net sales both decreased year on year due to the impact of restrained investment and changes in development plans in the automotive sector.

Other Business

(Millions of yen)	FY2025 1Q Results	FY2026 1Q Results	Year on Year
Orders Received	1,025	531	-48.1%
Net Sales	256	330	+29.1%
Operating Profit Profit Ratio	-41 -16.4%	-20 -6.2%	- +10.2pt

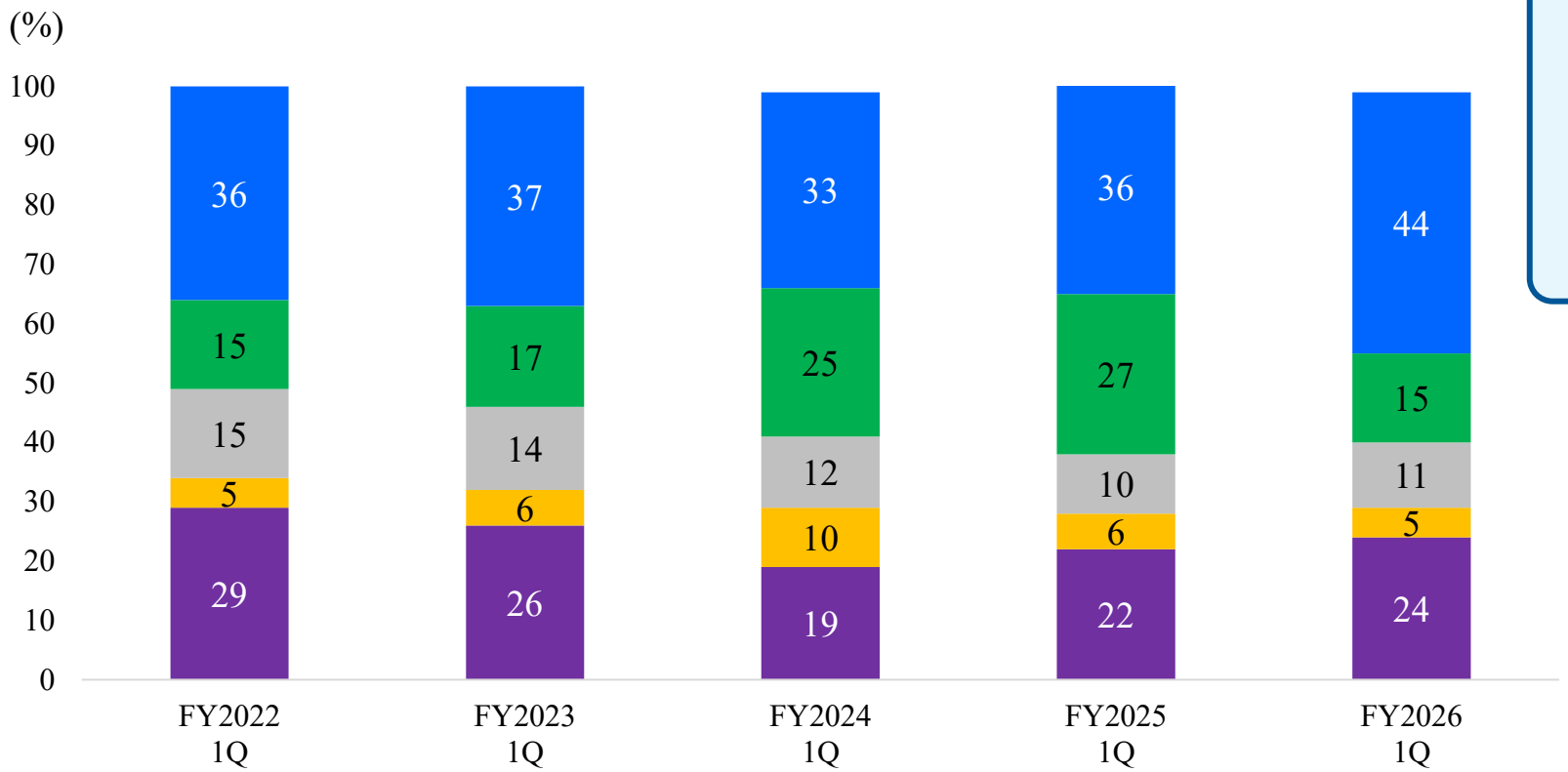
Environmental Conservation and Plant Production Systems

- Orders received decreased compared with the same period of the previous fiscal year, when there were large orders for plant factories. Net sales increased due to the recording of sales from plant factory orders received in the previous fiscal year.

Sales by Market

In the electronic device and equipment market, testing demand related to AI semiconductors remained strong, resulting in a substantial increase.
The automobile market declined significantly due to the postponement of recording sales from large orders to a later period.

Non-consolidated (Equipment Business)



【Relevance to the Target Market】

- AI semiconductors
  →Electronic device and equipment market, Semiconductor market
- Autonomous driving
  →Automobile market
- Satellite communications
  →Electronic device and equipment market

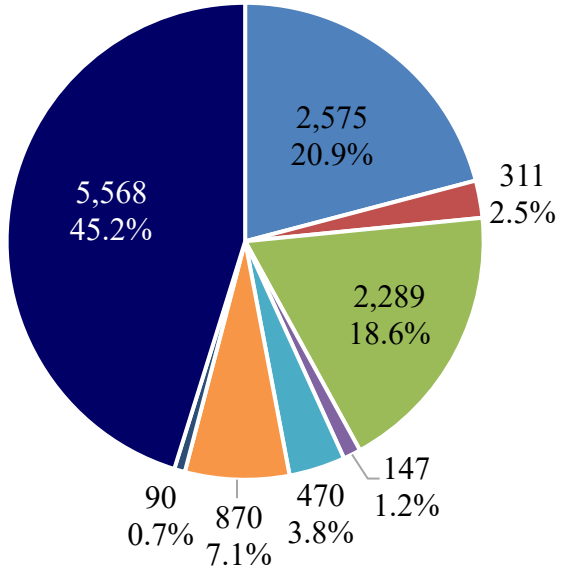
Elcctronic device and equipment market
Automobile market
Semiconductor market
Reserch institute market
Other market

Sales by Region

Net sales increased in North America, China, Southeast Asia & India, Europe, and Taiwan, and decreased in Japan and South Korea.

FY2025 1Q

Overseas sales ratio : 54.8%

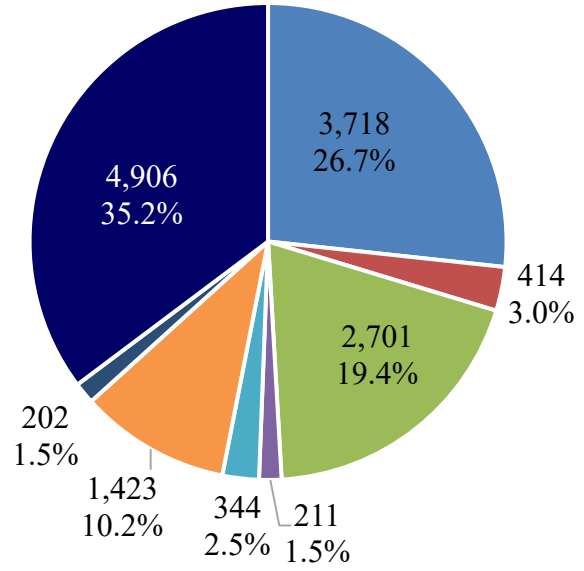




Total : 12,323 million yen
Overseas : 6,754 million yen
Domestic : 5,568 million yen

FY2026 1Q

Overseas sales ratio : 64.8%



Total : 13,922 million yen
Overseas : 9,016 million yen
Domestic : 4,906 million yen

FY2026 Assumed Exchange Rate

Assumed Exchange Rate

	FY2024	FY2025		FY2026
	Full Year Results	1H Results	Full Year Results	Full Year Assumption
U.S. dollar (yen)	152.62	146.03	150.67	155
Euro (yen)	163.87	168.05	174.64	180
Yuan (yen)	21.11	20.29	21.22	22

FY2026 exchange rate sensitivity (Millions of yen)

	Net sales	Operating profit
U.S. dollar	+97	+14
Euro	+15	+8
Yuan	+50	+6

* Impact of a 1-yen depreciation of the Japanese yen (0.1-yen for the Chinese yuan)

Forecasts for FY2026

(Millions of yen)

	FY2025	FY2026				
	Full Year Results	1Q Results	Forecasts			
			1H	2H	Full Year	Year on Year
Orders Received	72,596	22,811	35,800	34,200	70,000	-3.6%
Net Sales	70,034	13,922	33,800	39,200	73,000	+4.2%
Cost of Sales Cost Ratio	45,739 65.3%	9,187 66.0%	21,650 64.1%	24,950 63.6%	46,600 63.8%	+1.9% -1.5pt
Gross Profit Profit Ratio	24,295 34.7%	4,735 34.0%	12,150 35.9%	14,250 36.4%	26,400 36.2%	+8.7% +1.5pt
SG&A SG&A Ratio	17,210 24.6%	4,353 31.3%	9,000 26.6%	9,400 24.0%	18,400 25.2%	+6.9% +0.6pt
Operating Profit Profit Ratio	7,084 10.1%	382 2.7%	3,150 9.3%	4,850 12.4%	8,000 11.0%	+12.9% +0.9pt
Ordinary Profit Profit Ratio	7,473 10.7%	527 3.8%	3,250 9.6%	4,850 12.4%	8,100 11.1%	+8.4% +0.4pt
Profit Attributable to Owners of Parent Profit Ratio	5,879 8.4%	155 1.1%	2,300 6.8%	3,580 9.1%	5,880 8.1%	+0.0% -0.3pt
Basic Earnings per Share (yen)	270.39	7.32	108.93	170.02	278.95	+3.2%
ROE	10.0%	-	-	-	10.0%	±0pt

Segment Financial Forecasts for FY2026

(Millions of yen)		FY2025	FY2026				
		Full year results	1Q Results	Forecasts			
				1H	2H	Full Year	Year on Year
Equipment Business	Orders Received	62,216	20,341	30,700	28,750	59,450	-4.4%
	Net Sales	59,468	11,963	29,350	33,200	62,550	+5.2%
	Operating Profit	6,606	480	3,010	4,060	7,070	+7.0%
	Profit Ratio	11.1%	4.0%	10.3%	12.2%	11.3%	+0.2pt
Service Business	Orders Received	8,294	2,077	4,500	4,700	9,200	+10.9%
	Net Sales	8,327	1,763	4,070	5,080	9,150	+9.9%
	Operating Profit	228	-74	190	650	840	+268.0%
	Profit Ratio	2.7%	-4.2%	4.7%	12.8%	9.2%	+6.5pt
Other Business	Orders Received	2,529	531	850	1,050	1,900	-24.9%
	Net Sales	2,747	330	630	1,220	1,850	-32.7%
	Operating Profit	239	-20	-50	140	90	-62.4%
	Profit Ratio	8.7%	-6.2%	-7.9%	11.5%	4.9%	-3.8pt
Elimination	Orders Received	-442	-139	-250	-300	-550	-
	Net Sales	-507	-134	-250	-300	-550	-
	Operating Profit	10	-3	0	0	0	-
Total	Orders Received	72,596	22,811	35,800	34,200	70,000	-3.6%
	Net Sales	70,034	13,922	33,800	39,200	73,000	+4.2%
	Operating profit	7,084	382	3,150	4,850	8,000	+12.9%
	Profit Ratio	10.1%	2.7%	9.3%	12.4%	11.0%	+0.9pt

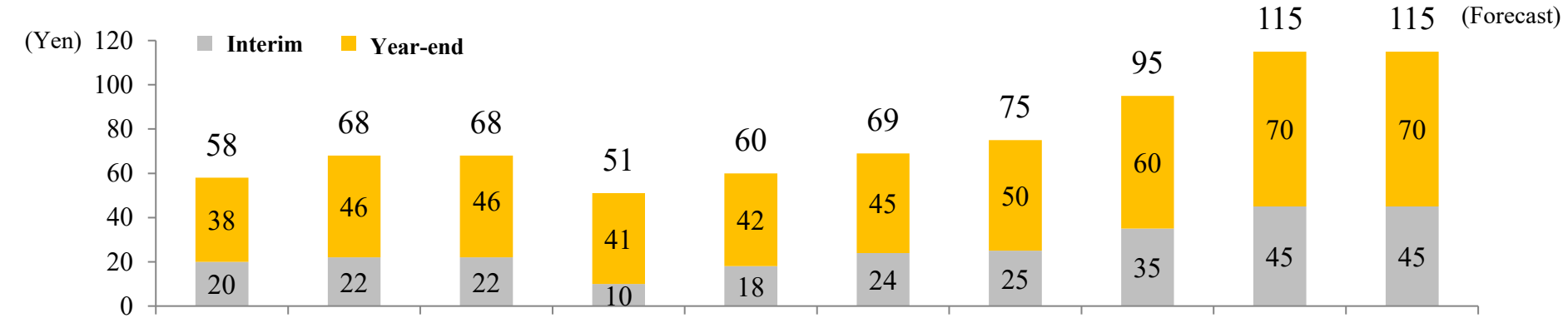
Shareholder Return Policy and FY2026 Dividend Forecast

Shareholder Return Policy

Set the consolidated dividend payout ratio at 40% or more and flexibly carry out acquisition of treasury shares.
During the period of the Medium-Term Management Plan PROGRESSIVE PLUS 2027 (FY2025–2027),
the total return ratio cumulative over the three-year period will be 50% or more, and no dividend reductions will be made.

Dividend per Share and Dividend Payout Ratio/Total Return Ratio

For FY2026, we are forecasting an annual dividend of ¥115 and a dividend payout ratio of 41.2%. On August 6, 2026, we announced a share repurchase (we plan to acquire up to 1,300,000 shares, representing 6.07% of total shares outstanding, for a total of up to ¥6.0 billion, from August 7, 2026 to July 31, 2027). * The FY2026 dividend payout ratio does not take into account the impact of this share repurchase.



(Underlined sections indicate share repurchases by the Company)

Basic policy on treasury share cancellation

The upper limit on treasury share holdings is set at approximately 10% of total shares outstanding, and in principle, any portion exceeding this limit will be cancelled.

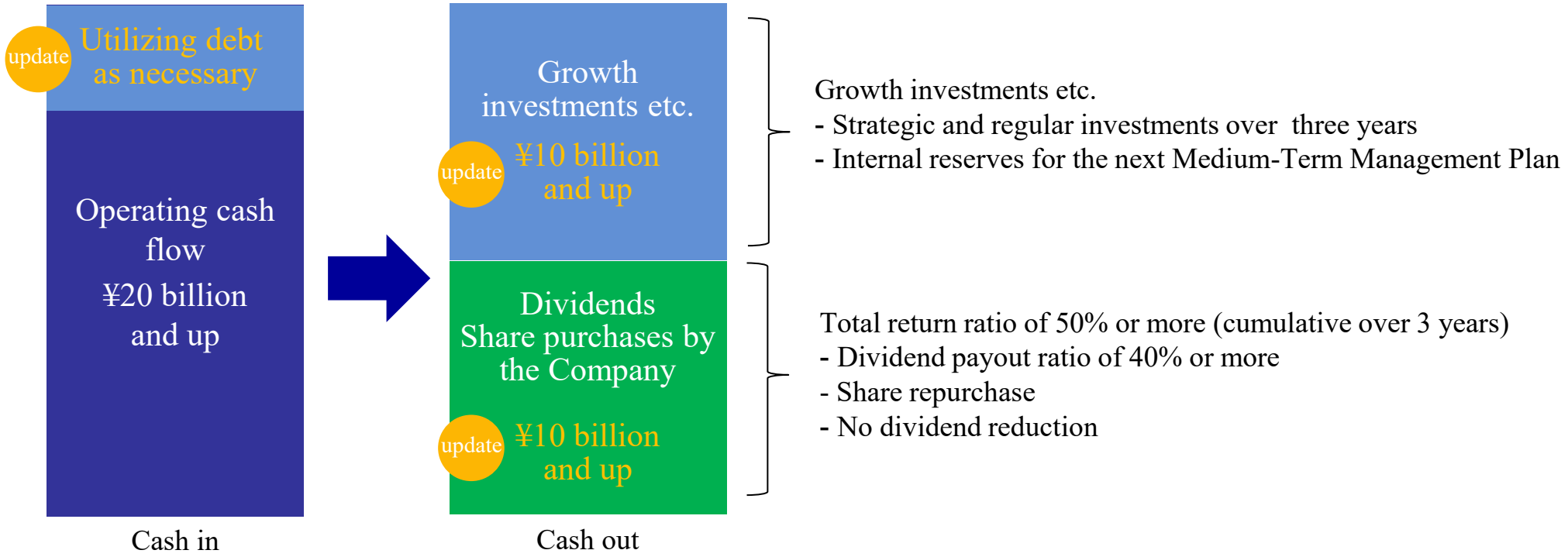
Cash Allocation (FY2025–FY2027)

Cash Allocation Policy

Proactively allocate cash generated over three years to growth investments and shareholder returns

※Updated in May 2026

With an emphasis on capital efficiency, use debt as needed for growth investments and enhancing corporate value.
As part of shareholder returns, we will also flexibly consider and execute share repurchases.



Main Business Initiatives in FY2026

Equipment Business

- Exploration of new needs and acquisition of business opportunities in target markets.
- Development and market launch of high value-added products that meet testing requirements.
- Shortening of product lead times by improving ease of customization.

Global Strategy

Japan : Strengthening sales activities in AI semiconductors and satellite communications, and capturing replacement-demand opportunities.

North America: Strengthening sales in satellite communications and driving earnings growth by increasing production capacity.

China : Strengthening sales in semiconductors, electronic components and devices.

Service Business

After-sales service : Expansion of maintenance contract services, cost reduction through improved utilization rates.

Laboratory testing services: Securing orders for semiconductors, as well as aerospace-related equipment, and improving profitability.

Main ESG Initiatives in FY2026

■ E for Environment

- Advancing the 8th Mid-Term Plan on the Environment Plus II (FY2026–2027)
  Strengthening measures against global warming, promoting biodiversity conservation, promoting resource circulation and strengthening chemical substance management, and enhancing disclosed information (CDP, TCFD, TNFD)

■ S for Society

- Establishing a vision-realization-oriented HR system and promoting internal communication
- Introducing a work-sharing system and promoting health and productivity management
- Commencing operation of a stock compensation system for employees in management assistant positions

■ G for Governance

- Strengthening Group governance
- Implementing supply chain risk measures
- Strengthening risk management

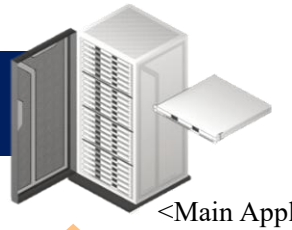
【AI Semiconductor Market, Data centers】
Servers, Semiconductors, Electronic components, Electronic materials

As generative AI spreads throughout society, demand is increasing for environmental testing aimed at evaluating the reliability of AI servers and the semiconductors, storage devices, electronic components, and electronic materials that comprise them.



Data centers

AI Servers



<Main Customers>
- Server manufacturers
- High-performance computing (HPC) manufacturers

<Main Applications>
Durability (environmental resistance) evaluation
Reliability evaluation



For AI Servers:
Walk-in Temperature & Humidity Chamber for High Heat-generation Loads

Semiconductors, storage

GPUs, memory, logic



<Main Customers>
- Semiconductor manufacturers
- Foundries

<Main Applications>
Accelerated stress testing
Screening (inspection)



Rapid-rate Thermal Cycle Chamber

Electronic components

Capacitors, semiconductor boards, power supplies



<Main Customers>
- Electronic component manufacturers
- Semiconductor board manufacturers

<Main Applications>
Electrical characteristic evaluation (conductivity, etc.)
Operational testing



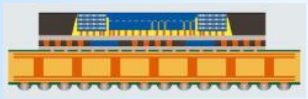
Highly Accelerated Stress Test System (HAST Chamber)



Measurement & Evaluation System

Electronic materials

Board materials, insulating materials



<Main Customers>
- Material manufacturers (base materials, resist materials, molding materials, etc.)

<Main Applications>
Material property evaluation (moisture absorption, etc.)
Storage testing



Burn-in Chamber

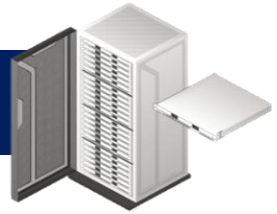
【AI Semiconductor Market, Data centers】
Optoelectronic Integration Technology (Co-Packaged Optics, CPO)

Co-packaged optics (CPO) integrates semiconductors and optical communication components on a common package substrate.
This technology is gaining attention for reducing server power consumption and increasing communication speeds.
Demand for environmental testing is also growing for the development and reliability evaluation of optical components and packaging technologies.

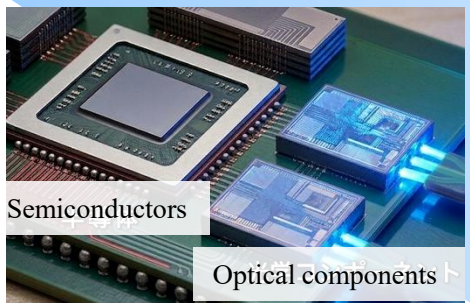


Data centers

AI Servers



Optoelectronic Integration Technology (Co-Packaged Optics)



Semiconductors and optical components integrated on the same package substrate

Semiconductors
GPU・CPU

<Main Customers>
- Semiconductor manufacturers
- Foundries



<Main Applications>
Package reliability evaluations



Thermal Shock Chambers



Rapid-rate Thermal Cycle Chambers

Optical components
Modulators, detectors, connectors

<Major customers>
- Electronic component manufacturers
- Electric cable manufacturers



<Main Applications>
Durability evaluations (temperature and humidity)
Reliability evaluations



High-power Temperature & Humidity Chamber



Bench-top Type Temperature (& Humidity) Chambers

【Satellite Communications Market】
Artificial satellites (Low earth orbit), Satellite-mounted equipment and components

In the field of commercial satellite communications technology led by private operators, demand is increasing for environmental testing to evaluate the reliability of low earth orbit (LEO) satellites and communication equipment, semiconductors, and electronic components installed in artificial satellites.

Artificial satellites
Low earth orbit (LEO) satellites

Altitude: Several hundred to 2,000 km
Ground coverage area: Radius of several hundred km

<Main Customers>
- Communications satellite manufacturers

<Main Applications>
Durability (environmental resistance) evaluation
Reliability evaluation



HALT/HASS Testing System

Satellite-mounted equipment
Power supplies, communication equipment, attitude control systems

<Main Customers>
- Power supply equipment manufacturers
- Communication equipment manufacturers
- Observation equipment manufacturers

<Main Applications>
Durability (environmental resistance) evaluation
Reliability evaluation



Constant-pressure Temperature & Humidity Chamber MZ Series



Thermal Shock Chamber

Satellite-mounted components
Semiconductors, solar panels, batteries

<Main Customers>
- Semiconductor manufacturers
- Electronic component manufacturers
- Battery manufacturers

<Main Applications>
Qualification testing
Screening (inspection)



High-power Temperature & Humidity Chamber



Walk-in Chamber

New Products for the AI Semiconductor Markets

AMR-SPM

Low-Current Conductor Reliability Evaluation System

- In July 2026, we launched the AMR-SPM Low-Current Conductor Reliability Evaluation System which detects minute resistance fluctuations at low currents.
- Supports the reliability evaluation of fine wiring and joints, including microvias and interposers, used in advanced packaging development.



AMR-SPM
Low-Current Conductor Reliability Evaluation System

AMI-SPM

Low-Voltage Insulation Reliability Evaluation System

- In July 2026, we launched the AMI-SPM Low-Voltage Insulation Reliability Evaluation System which detects insulation degradation in the low-voltage range with greater accuracy.
- Supports the application of low voltages of 10 V or less, used in advanced packages and evaluate insulation degradation occurring in the low-voltage range.



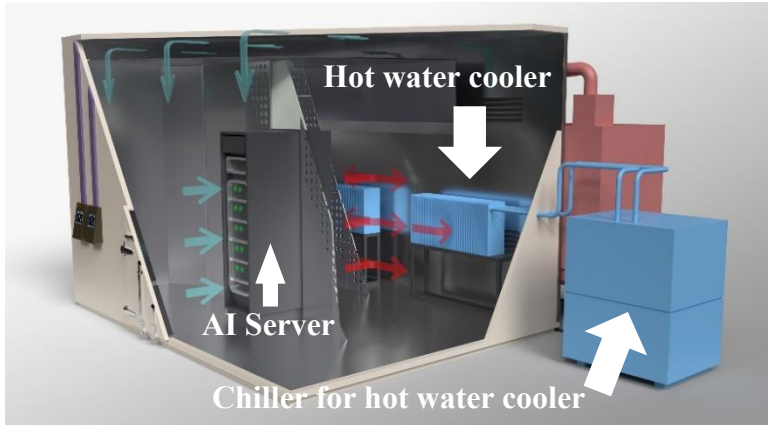
AMI-SPM
Low-Voltage Insulation Reliability Evaluation System

New Products for the AI Server Markets

Walk-in Temperature & Humidity Chamber for High Heat-generation Loads

- In December 2025, we launched two models designed to handle high heat-generation loads for AI server reliability testing.
- Our proprietary control system provides precise temperature and humidity control to support heat-generation loads of 30 kW and 60 kW generated by servers.
- Enables testing compliant with ASHRAE standards used for server reliability evaluation.

【A look inside the test area】



Newly developed air-conditioning system for improved energy and space savings



Walk-In Temperature & Humidity Chamber for High Heat-Generation Loads

TOPICS 3

Kobe R&D Center, a hub for biodiversity preservation activities
Received the Prime Minister's Award for Distinguished Service in the 2026 Greenery Promotion Campaign

- In April 2026, Kobe R&D Center received the Prime Minister's Award for Distinguished Service in the 2026 Greenery Promotion Campaign.
- The site features a forest of approximately 30,000 native trees planted and nurtured by employees, rooftop green space featuring plant species native to the northern Rokko region on the roof of the Technology Development Building, and a biotope consisting of two ponds and a stream.
- In October 2023, the site was certified as a "Natural Symbiosis Site" by the Ministry of the Environment, and registered as an OECM in the international database*.


表彰状

エスペック株式会社 神戸R&Dセンター 殿

貴殿は多年にわたり緑豊かな地域社会づくりに励み緑化の推進に尽くした功績は誠に顕著であります
よってこれを表彰します

令和八年四月二十四日

内閣総理大臣 高市早苗



*OECM (Other Effective Area-based Conservation Measures): Areas outside protected areas that contribute to biodiversity conservation

External Recognition

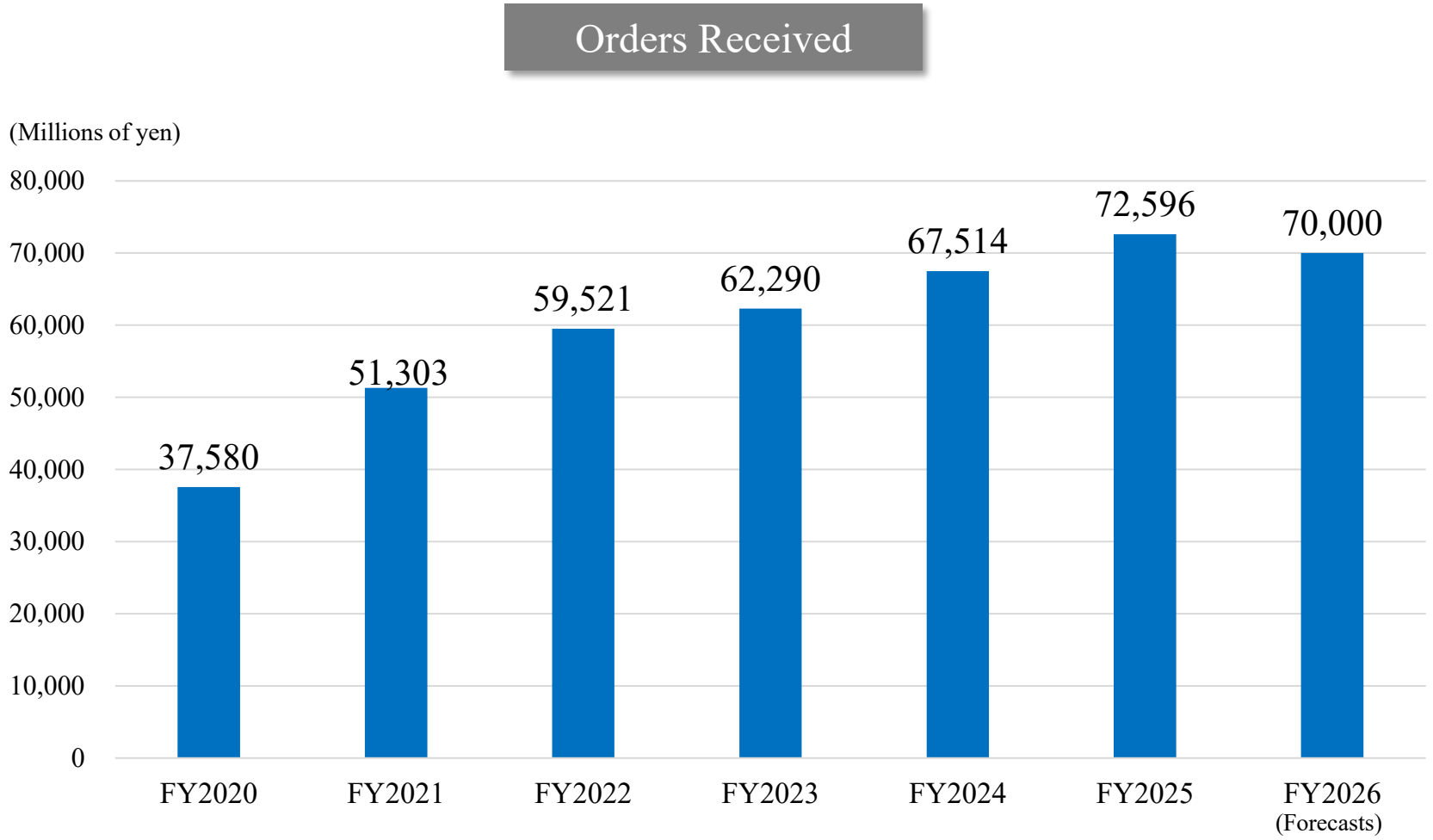
■ ESG-Related Evaluations

- Included in the ESG index “FTSE JPX Blossom Japan Sector Relative Index”
  Included in the ESG index “S&P/JPX Carbo Efficient Index”
- Rated “B” score for the sixth consecutive year in the CDP Climate Change Survey,
  Water Security receives “B⁻” score for second consecutive year
  Selected as Supplier Engagement Leader for four consecutive years, the Top Rank in the Supplier Engagement Ratings
- Received a 3.5-star rating in the NIKKEI Sustainable Management Survey, SDGs Edition
- Received a 3-star rating in the NIKKEI Sustainable Management Survey, Smart Work Edition
- The Kobe R&D Center received the FY2026 Prime Minister’s Award for Contributors to the Green Promotion Campaign.
- Received the Platinum Kurumin certification from the Minister of Health, Labour and Welfare as a company supporting child-raising.
- Earned the “Three Star Certification” under the “Osaka City Leading Company in Women’s Participation” and also certified as a “Company Promoting Ikumen”

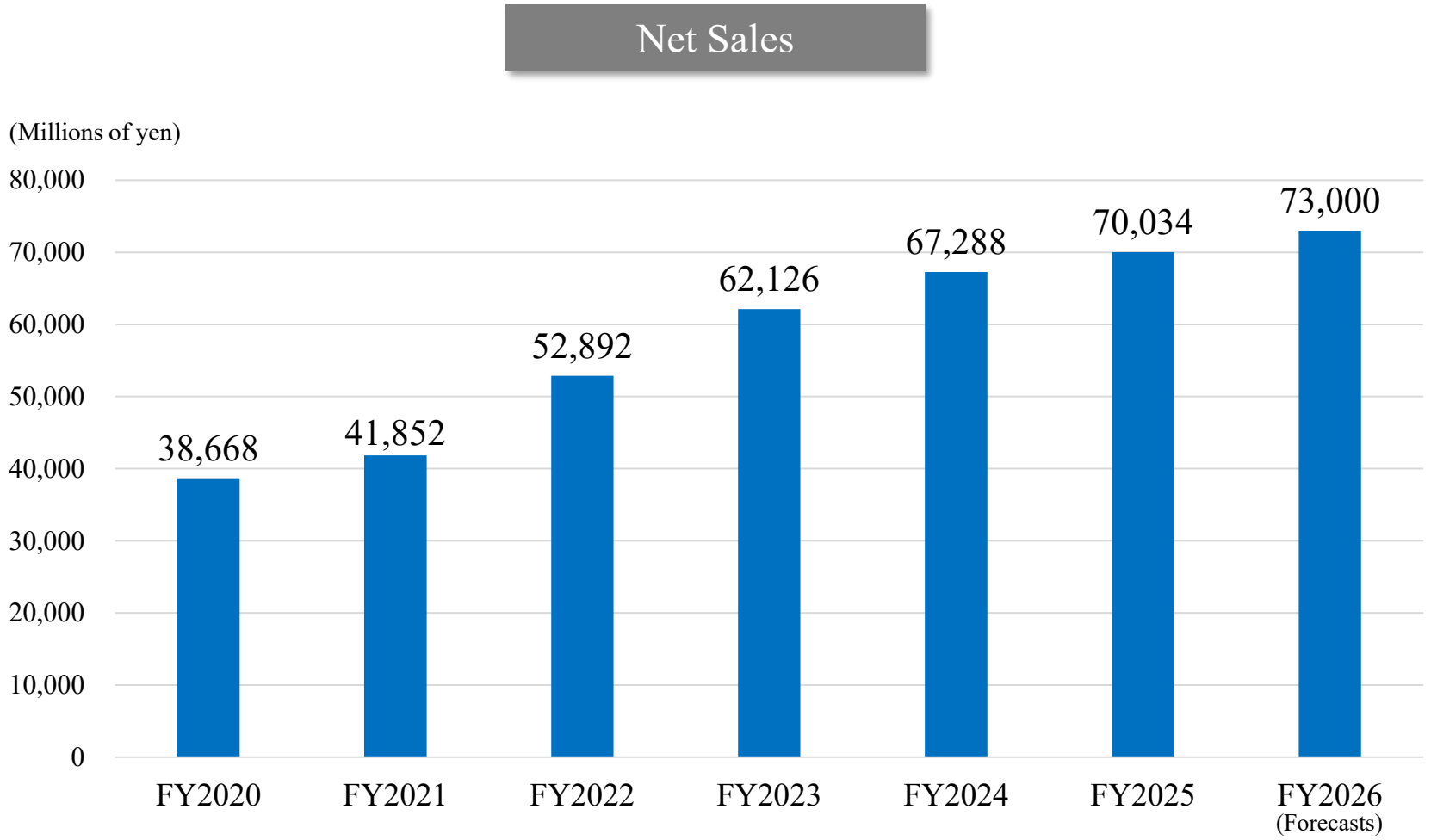
■ IR Website Evaluations

-Awarded a Silver Prize in the Gomez IR Website Ranking (5th in its industry)
- Selected as a Commendation Award of the Internet IR Award of Daiwa IR
- Selected as a “GRADE AAA” company website in the Nikko Investor Relations’ All-Japanese Listed Companies’ Website Ranking

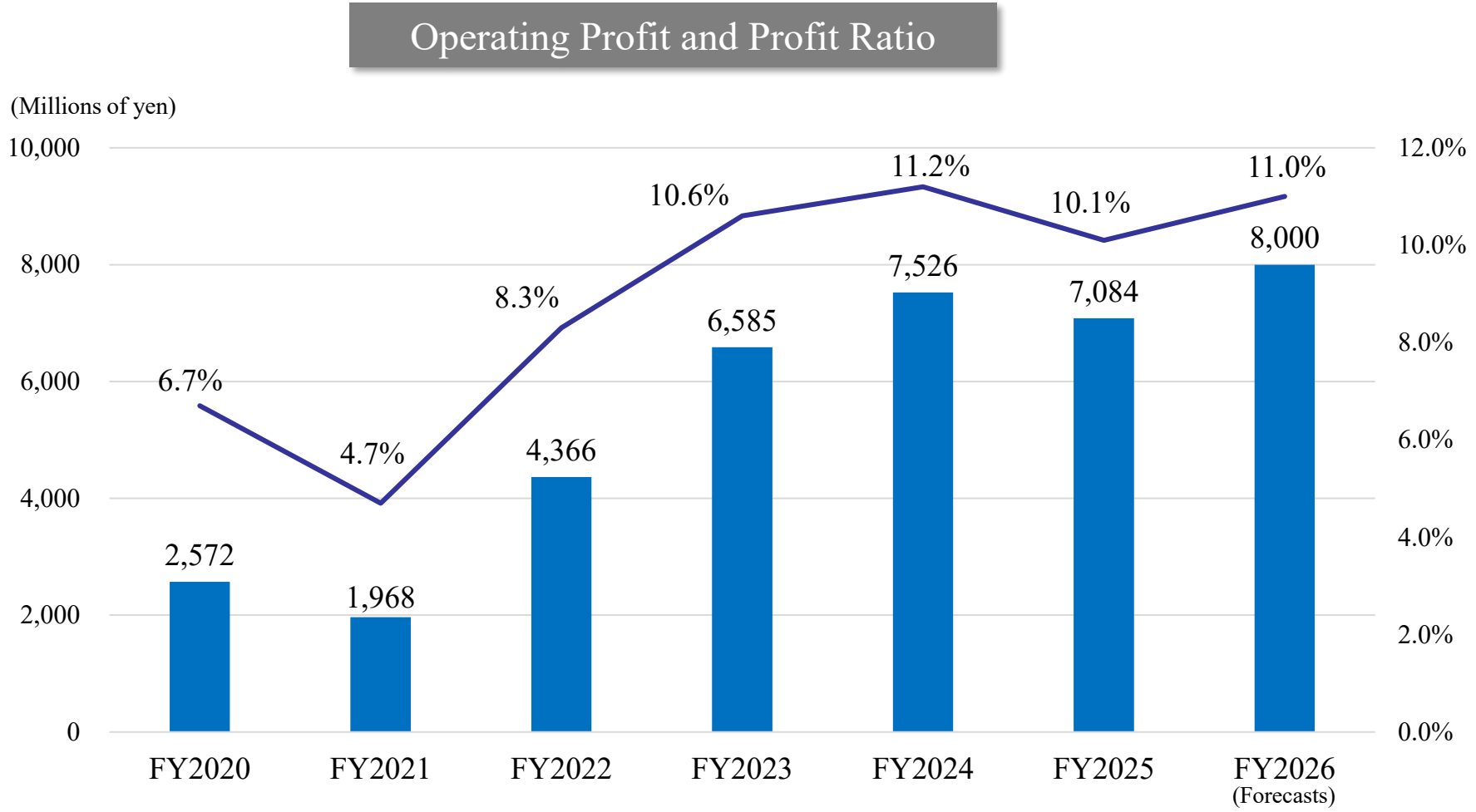
Trends in Orders Received



Trends in Net Sales



Trends in Operating Profit and Profit Ratio



Securities ID code:6859

Reference

Company Presentation and Business Overview

ESPEC CORP.
August 21, 2026

Company Profile

【Industry-leading manufacturer of environmental test chambers】

Name	ESPEC CORP.
Head Office	3-5-6, Tenjinbashi, Kita-ku, Osaka
Representative	President Satoshi Arata
Established	July 25, 1947
Incorporated	January 13, 1954
Paid-up Capital	¥6,895 million
Issued shares	23,781,394 Shares
Employees	1,898 (consolidated)
Main Business	Manufacture and Sales of Environmental Test Chambers, Energy Device Equipment, Semiconductor Equipment and Plant Factory. After-sales Service, Laboratory Testing Services and others.



Head Office

Share of Environmental Test Chambers	Over 30% worldwide, Over 60% domestic

* Market shares are ESPEC estimates

(As of March 31, 2026)

History of Environmental Test

What is Environmental Test

Test to analyze and evaluate effects of environmental factors such as temperature, humidity, pressure, and vibration on various industrial products like electronic components in order to ensure product quality.

1950s
The environmental test was JIS-standardized in Japan for consumer products.




1961 Japan's First Environmental Test Chamber



Low Temperature & Humidity Chamber "Lucifer"

1970s–1990s
"Reliability" and "quality control" became important issues in product development. Demand increased dramatically due to a rapid shift toward computerization and the use of electronic components.





Worldwide Market Share No.1

Over 60% domestic

Over 30% worldwide

* Market shares are ESPEC estimates

Present
Demand is expanding in the development fields of AI/IoT and next-generation automobiles against the backdrop of digitalization and decarbonization.



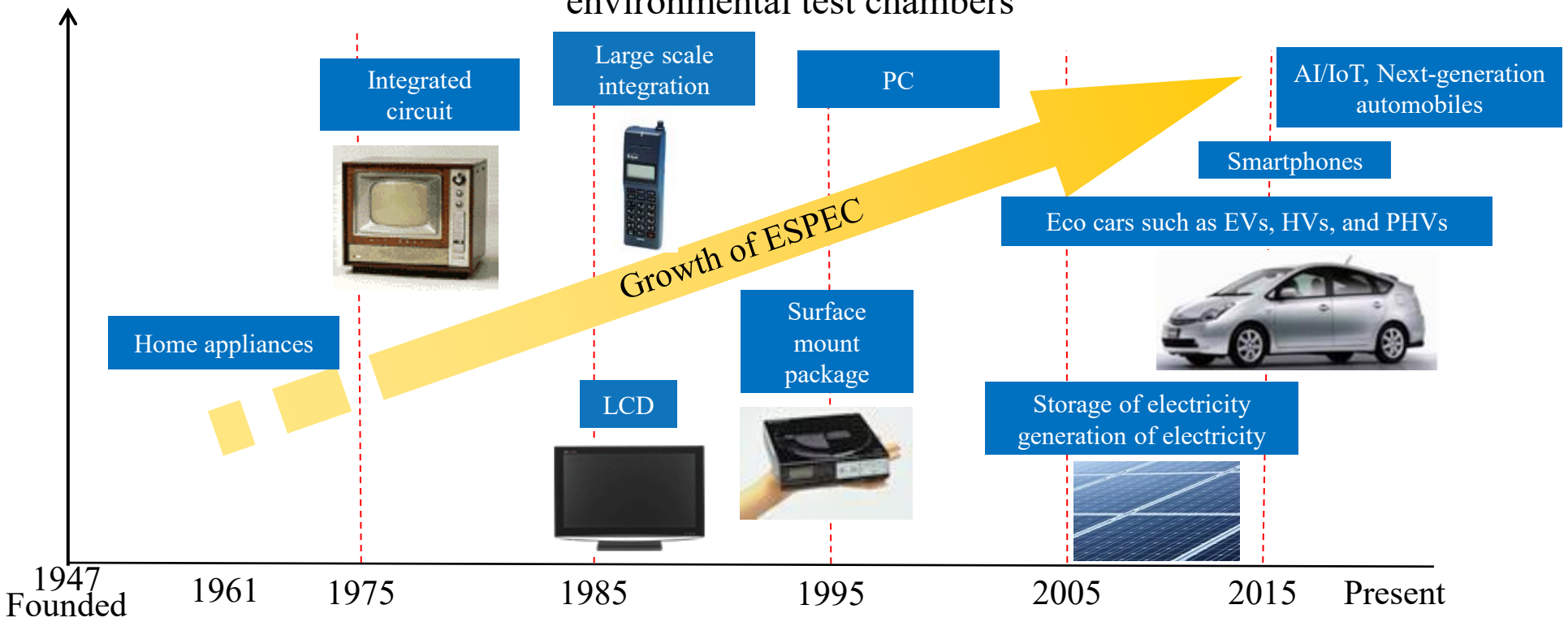
Consecutively selected as a winner of Ministry of Economy, Trade and Industry (METI)
"Global Niche Top Companies Selection 100" (FY 2013, FY 2020)



Temperature & Humidity Chamber "Platinous J series"

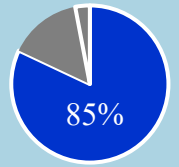
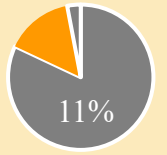
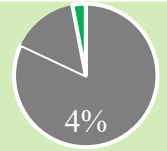
Transition in Business

Expanding business based on the “environmental creation technology” refined during the course of developing environmental test chambers





Summary of ESPEC Business (Per Market / Use)

		Main Products	Market	Use	Sales Composition (FY2025)
Equipment Business	Environmental Test Chambers	- Temperature & humidity chamber - Walk-in type temperature & humidity chamber - Thermal shock chamber - Combined temperature & humidity chamber - Bench-top type temperature & humidity chamber - HALT test system - HAST chamber	- Electronic component and equipment market - Automobile market - Semiconductor market - Satellite Communications market - Pharmaceuticals and foods market	- For R&D about 70% - For credibility and evaluation about 20% - For production and inspection about 10%	
	Energy Device Equipment	- LIB charge-discharge cycle evaluation equipment - LIB safety evaluation system - Fuel cells evaluation system	- Next generation automobile market - Secondary batteries market - Fuel cells market	- For R&D - For credibility and evaluation - For safety evaluation - For production	
	Semiconductor Equipment	- Burn-in system - Semiconductor evaluation system	- Semiconductor market - Electronic component and equipment market - Automobile market	- For R&D - For credibility and evaluation - For production and inspection	
Service Business	After-sales Service and Engineering	- Repairs and preventive maintenance - Inspection and calibration - Construction around equipment	- Electronic component and equipment market - Automobile market - Semiconductor market - Aerospace equipment	—	
	Laboratory Testing Services and Facility Rentals	- Laboratory testing services - Resale - Equipment rental - Calibration		- For R&D - For credibility and evaluation	
Other Business	Environmental Conservation	Reforestation (Tree planting), Waterfront biotope restoration, Urban greening			
	Plant Production Systems	Plant factory, Research seedling cultivation systems			

Business Overview: Equipment Business

Providing comprehensive environmental testing solutions that support the development of advanced technologies

* Market shares are ESPEC estimates

Environmental Test Chambers

Over 60% market share in Japan and over 30% worldwide*

Providing products that support advanced technology development, reliability evaluation, production, and inspection processes across a wide range of fields, including electronic components, electronic devices, automobiles, semiconductors, satellite communications, pharmaceuticals, and foods.

Offering a diverse lineup according to temperature, humidity, pressure ranges, temperature change rate, size, and other requirements



Platinous J Series Temperature & Humidity Chambers



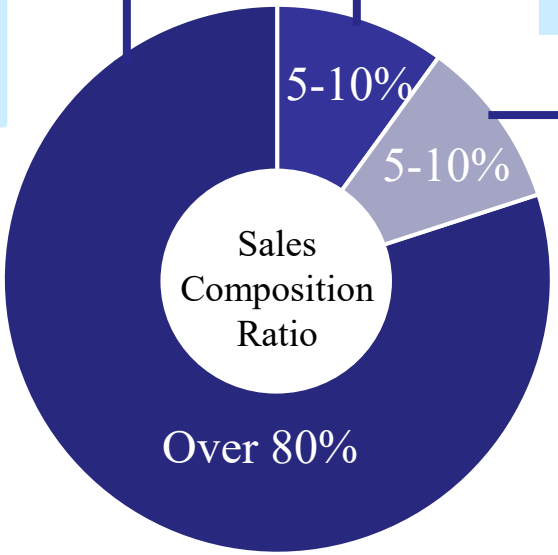
Thermal Shock Chamber



Walk-In Temperature & Humidity Chamber



Bench-top Type Temperature & Humidity Chamber



Semiconductor Equipment

Providing burn-in systems that sort good and defective products in semiconductor inspection processes, as well as measurement systems that evaluate the electrical characteristics of semiconductors, electronic components, and other products.



Measurement & Evaluation System



Burn-in Chamber

Energy Device Equipment

Providing rechargeable battery charge-discharge cycle test systems that evaluate the performance and service life of rechargeable batteries, safety evaluation systems, and fuel cell evaluation systems.



Rechargeable Battery Charge-Discharge Evaluation System



Temperature Chamber For Charge-Discharge Testing

Business Overview: Service Business

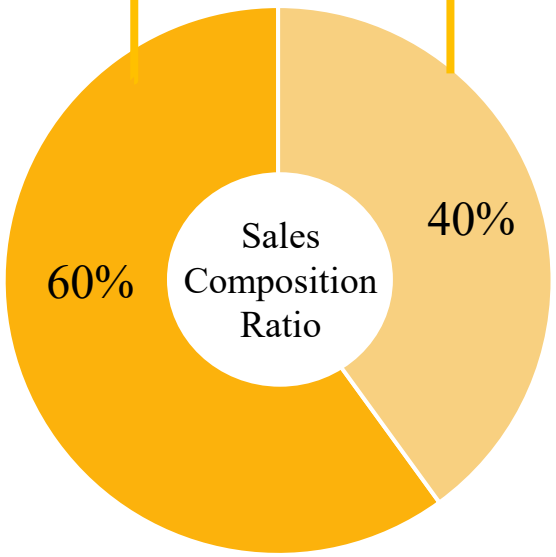
Providing services that resolve customer issues and offering total support for customer testing in accordance with various standards

After-Sales Service and Engineering

- Provide product maintenance and preventive maintenance so customers can use the equipment with confidence.
- Provide installation and relocation, peripheral construction work, and sales of peripheral equipment.
- Provide cloud-based network services.







Laboratory Testing Services and Facility Rentals

- Propose optimal solutions for the evaluation needs specific to each industry and conduct customers' environmental testing on their behalf at the Company's test laboratories.
- Provide rental and resale of environmental test chambers, as well as calibration services for measurement instruments.

Testing areas for laboratory testing services:
- Automobiles
- Rechargeable batteries
- Aviation and electric vertical takeoff and landing aircraft (eVTOLs)
- Electronic components and electronic devices
- Semiconductors, etc.



Five locations in Japan (Utsunomiya, Tokoname, Toyota, Kariya, and Kobe)
Test laboratories established at two locations in China (Shanghai and Suzhou) and one location in Thailand

GREEN POWER

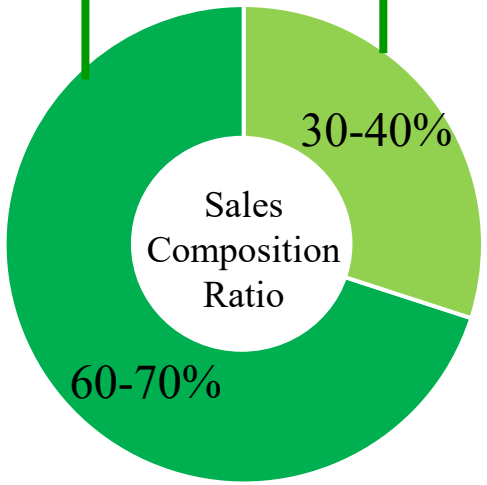
Laboratory testing service in Japan powered 100% by renewable energies

Business Overview: Other Business

Plant Production Systems

Provide plant factories that control light, temperature, humidity, nutrients, as well as seedling cultivation systems for research purposes.





Environmental Conservation

Forest and waterfront development focused on local species.



ESPEC's Strengths

Top Market Share

- Share of Environmental Test Chambers:
  Over 30% worldwide, Over 60% domestic (ESPEC estimates)
- First in Japan to develop environmental test chambers, rapidly established a brand in Japan and overseas and have held the top market share for many years

Technological Capabilities Product and Service Capabilities

- Developed a variety of products with high quality and meeting customer requirements
- Production technology capabilities that enable high-mix, low-volume production
- Total solutions for environmental tests, including products, laboratory testing services and technical support, and after-sales service capabilities

Global Structure

- Provide products globally that comply with the needs of respective countries through an extensive global network

  Consolidated subsidiaries: 13 (9 overseas, 4 domestic)
  Overseas production bases: North America 1 company,
  China 2 companies, South Korea 1 company
  Overseas network: 50 locations (countries or territories), 44 companies

Global Network

Consolidated Subsidiaries
13 companies
(Global 9 companies, Domestic 4 companies)

Global Network
50 locations
44 companies

Business Facilities in Japan: 16
Domestic Agencies in Japan: 46



EUROPE

●ESPEC EUROPE GmbH
-ESPEC IKLIM KABINLERI SATIS VE MUHENDISLIK LIMITED SIRKETI

ASIA

●SHANGHAI ESPEC ENVIRONMENTAL EQUIPMENT CORP. *
●ESPEC ENVIRONMENTAL EQUIPMENT (SHANGHAI) CO., LTD.
●ESPEC TEST EQUIPMENT (GUANGDONG) CO., LTD. *
●ESPEC TEST TECHNOLOGY (SHANGHAI) CO., LTD.
●ESPEC (CHINA) LIMITED
●ESPEC KOREA CORP. *
●ESPEC ENGINEERING (THAILAND) CO.,LTD
-ESPEC ENGINEERING VIETNAM CO., LTD.

JAPAN

ESPEC CORP. *
●ESPEC ASSIST CORP.
●ESPEC MIC CORP.
●ESPEC THERMAL TECH SYSTEM CORP. *
●COSMOPIA HIGHTECH CORP. *

U.S.A.

●ESPEC NORTH AMERICA, INC *

●: Consolidated Subsidiaries
- : Non-consolidated Subsidiaries

*Denotes company with production functions.

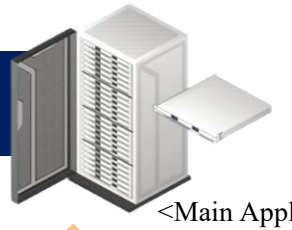
Medium-Term Management Plan (FY2025-2027) Target Markets
【AI Semiconductor Market, Data centers】Servers, Semiconductors, Electronic components, Electronic materials

As generative AI spreads throughout society, demand is increasing for environmental testing aimed at evaluating the reliability of AI servers and the semiconductors, storage devices, electronic components, and electronic materials that comprise them.



Data centers

AI Servers



<Main Customers>
- Server manufacturers
- High-performance computing (HPC) manufacturers

<Main Applications>
Durability (environmental resistance) evaluation
Reliability evaluation



For AI Servers:
Walk-in Temperature & Humidity Chamber for High Heat-generation Loads

Semiconductors, storage

GPUs, memory, logic



<Main Customers>
- Semiconductor manufacturers
- Foundries

<Main Applications>
Accelerated stress testing
Screening (inspection)



Rapid-rate Thermal Cycle Chamber

Electronic components

Capacitors, semiconductor boards, power supplies



<Main Customers>
- Electronic component manufacturers
- Semiconductor board manufacturers

<Main Applications>
Electrical characteristic evaluation (conductivity, etc.)
Operational testing



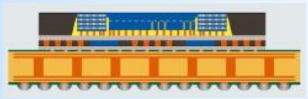
Highly Accelerated Stress Test System (HAST Chamber)



Measurement & Evaluation System

Electronic materials

Board materials, insulating materials



<Main Customers>
- Material manufacturers (base materials, resist materials, molding materials, etc.)

<Main Applications>
Material property evaluation (moisture absorption, etc.)
Storage testing



Burn-in Chamber

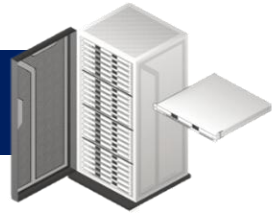
Medium-Term Management Plan (FY2025-2027) Target Markets
【AI Semiconductor Market, Data centers】Optoelectronic Integration Technology (Co-Packaged Optics, CPO)

Co-packaged optics (CPO) integrates semiconductors and optical communication components on a common package substrate.
This technology is gaining attention for reducing server power consumption and increasing communication speeds.
Demand for environmental testing is also growing for the development and reliability evaluation of optical components and packaging technologies.

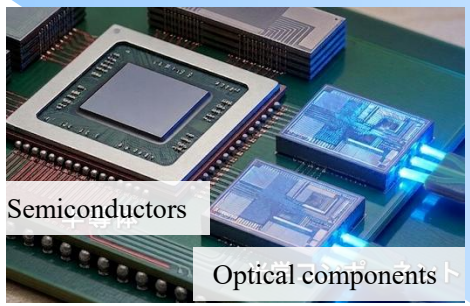


Data centers

AI Servers



Optoelectronic Integration Technology (Co-Packaged Optics)



Semiconductors and optical components integrated on the same package substrate

Semiconductors
GPU・CPU

<Main Customers>
- Semiconductor manufacturers
- Foundries



<Main Applications>
Package reliability evaluations



Thermal Shock Chambers



Rapid-rate Thermal Cycle Chambers

Optical components
Modulators, detectors, connectors

<Major customers>
- Electronic component manufacturers
- Electric cable manufacturers



<Main Applications>
Durability evaluations (temperature and humidity)
Reliability evaluations



High-power Temperature & Humidity Chamber



Bench-top Type Temperature (& Humidity) Chambers

Medium-Term Management Plan (FY2025-2027) Target Markets
【Satellite Communications Market】Artificial satellites(Low earth orbit), Satellite-mounted equipment and components

In the field of commercial satellite communications technology led by private operators, demand is increasing for environmental testing to evaluate the reliability of low earth orbit (LEO) satellites and communication equipment, semiconductors, and electronic components installed in artificial satellites.

Artificial satellites
Low earth orbit (LEO) satellites

Altitude: Several hundred to 2,000 km
Ground coverage area: Radius of several hundred km

<Main Customers>
- Communications satellite manufacturers

<Main Applications>
Durability (environmental resistance) evaluation
Reliability evaluation





HALT/HASS Testing System

Satellite-mounted equipment
Power supplies, communication equipment, attitude control systems

<Main Customers>
- Power supply equipment manufacturers
- Communication equipment manufacturers
- Observation equipment manufacturers

<Main Applications>
Durability (environmental resistance) evaluation
Reliability evaluation



Constant-pressure Temperature & Humidity Chamber MZ Series



Thermal Shock Chamber

Satellite-mounted components
Semiconductors, solar panels, batteries

<Main Customers>
- Semiconductor manufacturers
- Electronic component manufacturers
- Battery manufacturers

<Main Applications>
Qualification testing
Screening (inspection)



High-power Temperature & Humidity Chamber



Walk-in Chamber

Equipment Business/Service Business:
All Weather Simulation Chamber (in the Kobe R&D Center)

Opened the world's first All Weather Simulation Chamber
Encouraging open innovation and strengthening environmental creation technology

(Mar. 2021)

Replicates dynamic climate environments with high-precision control and variation of seven environmental factors (temperature, humidity, snow, fog, rain, sunlight and wind)

■ All Weather Simulation Chamber





Test chamber: Width 6 m x Depth 9 m x Height 3 m
A black coating is applied to suppress the diffuse reflection of light.

■ Examples of tests in dynamic environments



(1) Tests to replicate the change from sleet to snow

Snow with different amounts of water content can be replicated, including snowfall at temperatures around 0°C, which is close to snowfall in a natural environment. By controlling the snow quality and temperature, the laboratory replicates the change from sleet to snow. The laboratory can confirm the performance of automated driving sensors for which snow accretion has become a problem.



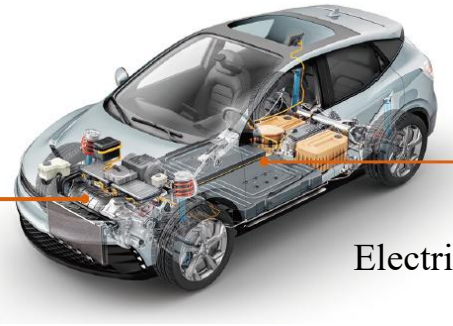
(2) Experiment to replicate the change from rain to fog

The laboratory controls the thickness, temperature and humidity of fog and replicates the change from rain to fog. The laboratory can confirm the performance of automated driving sensors in response to the effects of fog.

Equipment Business: Usage Case with Environmental Test Chambers

Ensure reliability of new technologies and new products by repeatedly testing each component, module and finished product

In-vehicle parts/electrical components
・ECU ・Inverter
・Converter ・Sensor ・Motor etc.



Automotive Batteries
・Lithium-ion battery
・All solid-state battery etc.

Electric Vehicle (EV) image

Representative Examples for Environmental Testing

Device	Process/Test Condition		Our Products
【Power Device】 	Inspection	■Thermal shock test: －40℃⇔＋125℃	Thermal shock chamber
		■High temperature exposure: ＋175℃、＋85℃	(Compact size) Oven
		■Burn-in test	Burn-in chamber
【In-vehicle Sensor】 	Inspection	■Temperature cycle test of printed circuit board: －40℃⇔＋110℃	Temperature & humidity chamber (Platinous) /Oven
		■ Temperature characteristic test after soldering: Linear change between -30℃ and +85℃	Burn-in chamber, Rapid-rate thermal cycle chamber
	Evaluation	■ Thermal shock test : －30℃⇔RT⇔＋80℃、－55℃⇔＋155℃	Thermal shock chamber
【CCD／CMOS】 	Production	■ Diffusion Test: +150℃	Compact size Oven
		■ Drying after cleaning: +85℃	Clean Oven
	Evaluation	■Screening: ＋85℃	Temperature chamber (Platinous)／Burn-in chamber
	Inspection	■Temperature and humidity test: ＋85℃／＋85%rh、＋60℃／90%rh	Temperature & humidity chamber (Platinous)
		■Acceleration test: ＋120℃／100%rh	HAST chamber
		■ Thermal shock test : －40℃⇔＋125℃、－20℃⇔＋85℃	Thermal shock chamber

Equipment Business: Main New Products

Release Date	Name of product	Features
Jul. 2026	Low-Voltage Insulation Reliability Evaluation System AMI-SPM	- Addresses insulation degradation occurring under low-voltage conditions - Enables insulation reliability evaluation in the actual usage environment for increasingly miniaturized advanced packaging
Jul. 2026	Low-Current Conductor Reliability Evaluation System AMR-SPM	- Applies a minute current that does not place excessive stress on samples - Enables both low-current application and high-precision measurement, which are required for joint evaluation in advanced packaging
Dec. 2025	Walk-in Temperature & Humidity Chamber for High Heat-generation Loads	- Handling high heat-generation loads for AI server reliability testing - Enables testing compliant with ASHRAE standards used for server reliability evaluation
Oct. 2025	Highly Accelerated Stress Test System (HAST Chamber) Model supporting large substrates	- Meeting testing demands in the AI semiconductor and autonomous driving markets - Capable of evaluating a large number of samples in a single test, and improving testing efficiency
Apr. 2025	Ultra-Low-Temperature Shock Freezer	- Preservation of perishable food freshness through rapid freezing to an ultra-low temperature of -70℃ - Automatically completes the entire process of food freezing, storing, defrosting and reheating
Apr. 2025	Rapid-Rate Thermal Cycle Chamber High-Performance Model	- Capable of specimen temperature ramp control at a rate of 20K/min - Complies with semiconductor package reliability test standards and international standards for electronics and automotive markets, among others
Jan. 2025	Expansion of Commissioned Measurement Services (Thermal Dependent Warpage Measurement Service / Thermal Image Analysis Service)	- Thermal Dependent Warpage Measurement System: Supports reflow oven temperature environment (up to 260℃) and large substrate sizes - Thermal Image Analysis System: High-speed, high-precision thermal image analysis

Equipment Business: New Product Introduction 1

Highly Accelerated Stress Test System (HAST Chamber) EHS-222M-L

- In October 2025, we added the EHS-222M-L model, which supports testing of large substrates, to the Highly Accelerated Stress Test System (HAST Chamber) lineup
- Capable of evaluating a large number of samples in a single test
- Contributes to shorter development cycles and higher reliability for electronic components

Highly Accelerated Stress Test System
EHS-222M-L



Rapid-Rate Thermal Cycle Chamber TCC-151W-20

- In April 2025, a high-performance model capable of controlling specimen temperature at 20 K/min was added to the lineup of rapid-rate thermal cycle chambers
- Complies with international standards such as semiconductor package reliability test standards and standards for electronics and automotive markets
- Comes standard with low-GWP* refrigerant “R-449A”

Rapid-Rate Thermal Cycle Chamber
TCC-151W-20



* Metric for expressing the warming potential of greenhouse gases relative to carbon dioxide. The smaller the value, the lower the environmental impact.

Equipment Business: New Product Introduction 2

Launched low temperature (& humidity) chambers Platinous J Series ECO Type with low-GWP refrigerant

- In November 2024, launched the ECO Type in the Platinous J Series, the global standard model for environmental test chambers
- Proprietary refrigeration technology reduces power consumption by up to 70% compared to conventional models, contributing to the reduction of greenhouse gas emissions by adopting low- GWP* refrigerant “R-449A”



Low Temperature (& Humidity) Chambers
Platinous J Series ECO Type

First domestic launch by COSMOPIA HIGHTECH of a rapid temperature change device using low-GWP refrigerant

- In October 2024, COSMOPIA HIGHTECH, part of our Group, launched the first domestic rapid temperature change device equipped with low-GWP* refrigerant “R-473A”
- Complies with international test standards and contributes to the reduction of greenhouse gas emissions



Rapid Temperature Change Device Premium Excellent Series
(EC-28PXHH)

*GWP：Global Warming Potential. The smaller the value, the less environmental impact.

Equipment Business: New Product Introduction 3

Commissioned Measurement Services

Contribute to improving the accuracy of thermal analysis CAE and heat dissipation design of semiconductor packages, mounting substrates, etc.

(Expansion in Jan. 2025)

- Thermal Dependent Warpage Measurement Service
  - Visualize the warpage deformation of semiconductor packages and mounting substrates
  - Supports reflow oven temperature environment (-40℃ to +260 ℃)
  - Supports large substrate sizes up to 300 mm
- Thermal Image Analysis Service
  - Visualize the temperature distribution of specimens under constant temperature environment (-40 ℃ to +100 ℃)



Thermal Dependent Warpage Measurement Service

-70°C Ultra-Low Temperature Shock Freezer for delicious rapid freezing

- In April 2025, launched the “Ultra-Low Temperature Shock Freezer” capable of freezing food rapidly at -70°C, preserving freshness even for perishable items
- Enables freezing in a low airflow environment, preventing food from drying out, and allows a seamless process from freezing to thawing and reheating in a single unit



Ultra-Low Temperature Shock Freezer

Equipment Business: Examples of Products Delivered

(Delivered in Jul. 2018)

Walk-in Type Temperature (& Humidity) Chamber, for building materials

Uses:

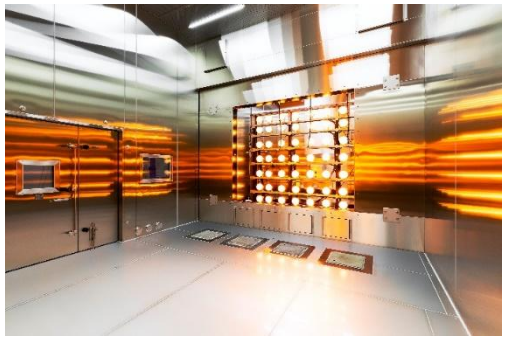
Reproduce the environment inside apartments (temperature and humidity) and outdoors (weather such as rain, snow, and sunlight), conduct performance evaluations and durability tests of building materials for sash, balcony, etc.



Walk-in Type Temperature (& Humidity) Chambers, for use for building materials



Temperature (& Humidity) Chambers are movable so that building materials for testing can be easily changed



Furnished with irradiation equipment and watering (rain) equipment, to reproduce an outdoor weather environment

Equipment Business: Usage Case with Energy Device Equipment

Charge-discharge Cycle Evaluation Equipment

Equipment for ensuring the reliability and safety of lithium-ion secondary batteries for next-generation vehicles (e.g., hybrid and electric vehicles)

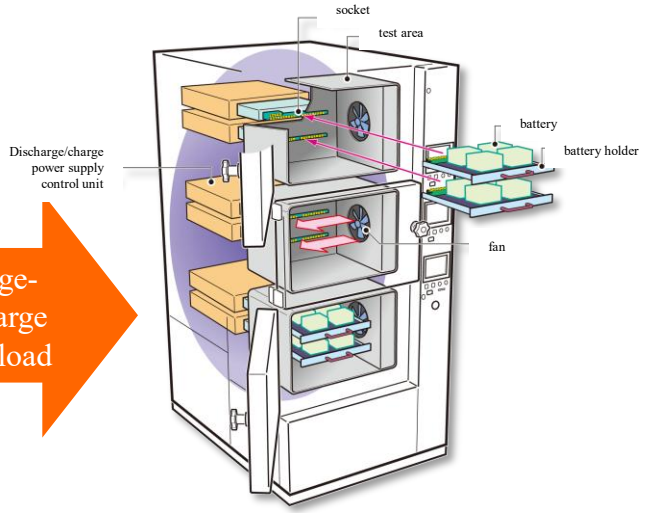


Secondary Battery Charge-Discharge Evaluation System

Secondary Batteries



Charge-discharge cycle load



Checking the charge-discharge characteristics of secondary batteries

Evaluating the performance and life of secondary batteries

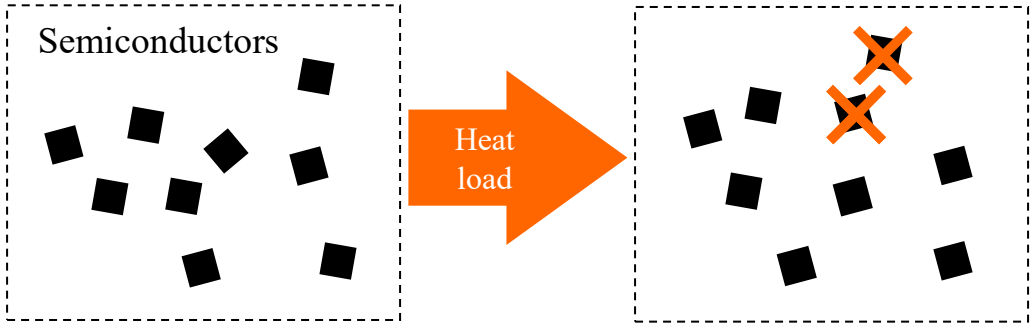
Equipment Business: Usage Case with Semiconductor Equipment

Screening

Eliminate defective products to maintain initial-period quality at the final inspection stage of semiconductor device manufacturing



Burn-In Chamber



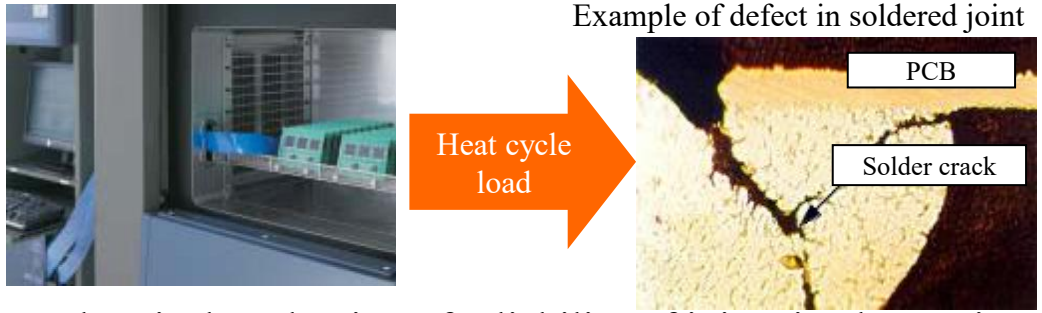
Elimination of latent early failures

Reliability Evaluation

Used to evaluate basic failure patterns to ensure reliability in the development of new technologies



Conductor Resistance Evaluation System



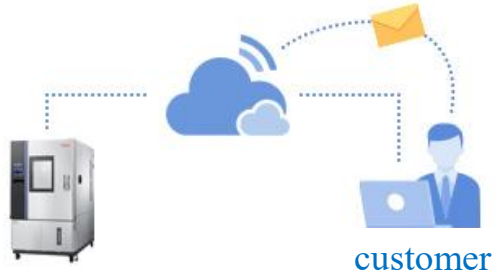
Electrical evaluation of reliability of joints in electronic parts

Service Business: Features of Maintenance Agreement Services

Stable operation of equipment

A service engineer checks and diagnoses equipment once a year, replaces wear parts, and supports the stable operation of equipment.

Remote monitoring of equipment / email notification of abnormalities



The operational status of equipment can be checked from a PC. Email notification when an abnormality occurs.

Reduction of downtime



Quickly solve equipment abnormalities through advance diagnosis using equipment data.

Shift to fixed maintenance costs



Enables fixed maintenance costs with no emergency repair costs incurred. Also reduces the work involved in managing equipment.

Service Business: Laboratory Testing Services

Supporting testing of a wide range of in-vehicle electrical components including automation modules

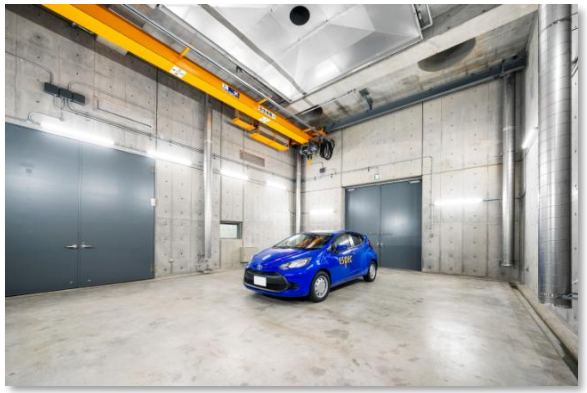
- In September 2019, Toyota Test Center became compatible with all test items set forth by the LV124 German Automotive Manufacturer Testing Standards.
- In April 2025, functions were expanded to simulate the usage environment while EV and automation modules are in operation, and services were newly enhanced for conducting evaluation and measurement.



Toyota Test Center

Aichi xEV Battery Safety Test & Certification Center, One of Japan's Largest Dedicated Automotive Rechargeable Battery Testing Centers

- Opened in February 2025 at the Tokoname site of Aichi Next Generation Mobility Test Lab.
- Supports larger and higher capacity automotive rechargeable batteries with cutting-edge testing facilities.



A safety testing room that can accommodate one car

Other Business: Environmental Preservation/Plant Production Systems

At Expo 2025 Osaka-Kansai
cooperating in venue greening and aquaponics exhibitions

■Provision of planted mats and seedlings at the venue

- Supplying mats planted with Japanese native cogon grass and seedlings of silver grass for the “Grand Ring”, and wild grasses and aquatic plants to border the pond’s edge in the “Forest of Tranquility”.
- Also supplying for the EXPO National Day Hall, Hungary Pavilion, Kuwait Pavilion, Signature Pavilions, etc.



The Grand Ring

■Cooperation in exhibitions at the Osaka Healthcare Pavilion

- Collaboration with the Osaka Metropolitan University R&D Center for the Plant Factory to support aquaponics exhibits.
- Provision of vegetable cultivation technologies and expertise.

What is aquaponics?
A recycling production system that combines hydroponics and land-based cultivation. Bodily waste from fish is decomposed by microorganisms and used as a source of nutrients needed to grow plants. This enables vegetables to be grown either without using chemical fertilizers or reducing the amount of their use.



Aquaponics “Cradle of Life”

Other Business: Examples of Products Delivered

■Arid Land Research Center, Tottori University (Delivered in Mar. 2016)

Products delivered:

Experimental System for Analyzing Responses of Dryland plants to Climate Changes (2 units)
(Simulates the climates of arid lands, including high temperature, low humidity, strong sunlight, and high winds)

Uses:

Plant cultivation experiments and experiments to develop efficient water-usage technologies in arid lands, research to solve issues facing arid lands



Experimental System for Analyzing Responses of Dryland plants to Climate Changes



Experiment in progress
(Testing wheat for drought stress)

Securities ID code:6859

Reference

Sustainability Initiatives

ESPEC CORP.
August 21, 2026

About ESPEC's Sustainability

Guided by our corporate philosophy,
"THE ESPEC MIND," ESPEC will help to solve social and environmental issues through businesses centered on environmental creation technology, with the aim of achieving sustainable growth.

Corporate Philosophy

Our important values that have been passed on since our inception

“THE ESPEC MIND” (Excerpt)

The Origin	Aim for better value exchange as a public institution
Mission	Provide more certain Seikankyo (living environment) via environmental creation technology
Style	Progressive, Reliable, Open, Fair
Declaration	What ESPEC promises society “compliance, ” “ culture, ” “ human rights, ” “ the environment, ” “education/enlightenment. ”

Sustainability Policy and Materiality

Looking toward sustainable growth, we formulated a sustainability policy, and identified materiality (important issues) that must be addressed in order to produce social and economic value.

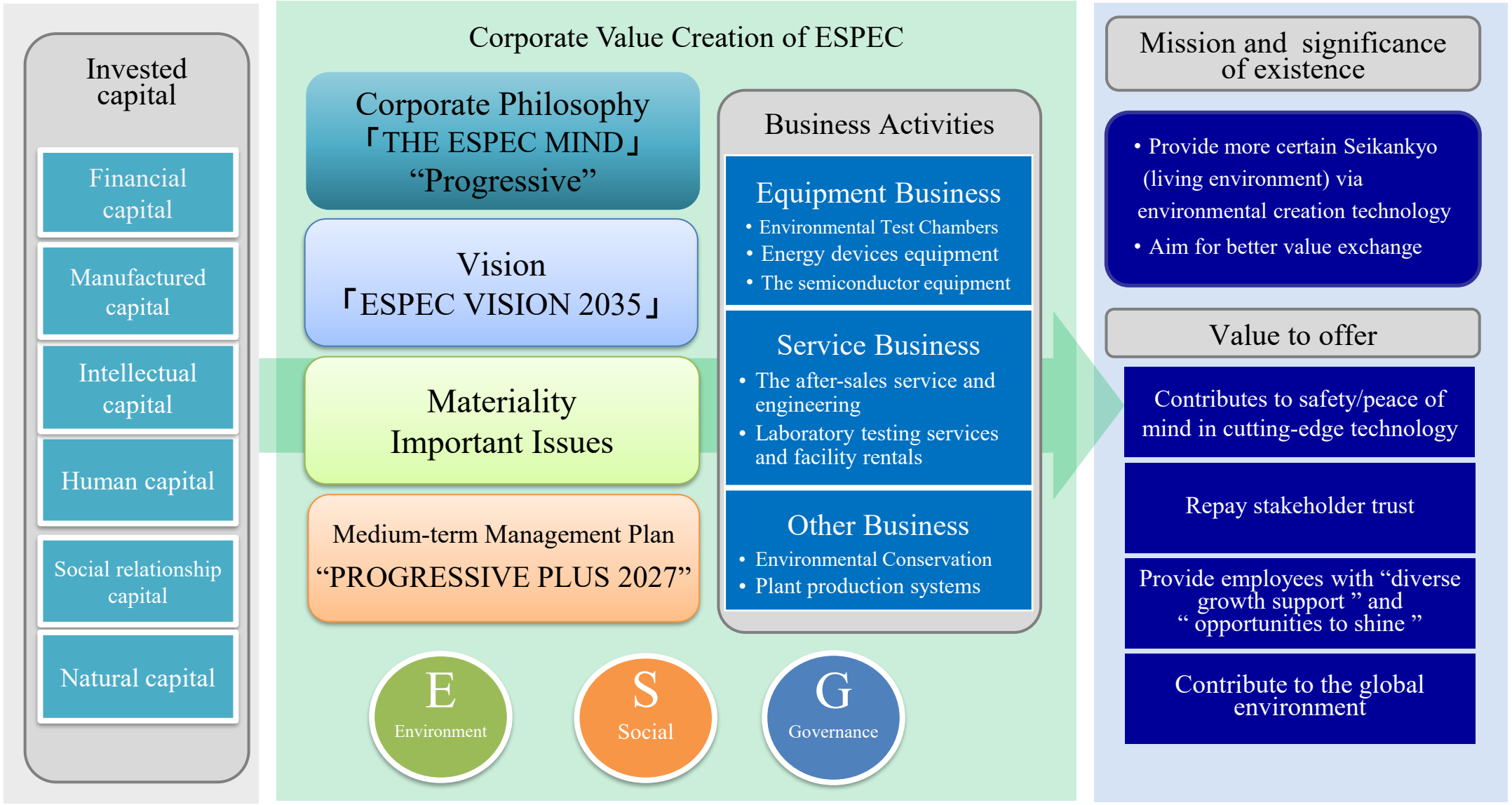
Sustainability Policy

- By putting our corporate philosophy (THE ESPEC MIND) into practice, we are working to create and improve both social value and economic value.
- By maintaining a good exchange of value with our stakeholders, we are aiming for continuing growth.
- Based on ESPEC VISION 2035, we will contribute to solutions for the global environment and social issues through our business activities, centering on Environmental Creation Technology.
- We will engage in active disclosure of information related to sustainability.

Materiality

- Solve social challenges through global business
- Provide products and services with responsibility
- Be environmentally friendly
- Securing and cultivating diverse human resources
- Respect for human rights
- Use of digital technologies
- Enhancement of group governance

Corporate Value Creation Process



ESPEC's Business

Equipment Business

Contribute to the development of advanced technologies
through the supply of products and services leveraging environmental creation technology

•Supply products and services that contribute to the development of advanced technologies to solve social and environmental issues

●Environmental Test Chamber

Supply environmental test chambers that artificially replicate environmental factors such as temperature and humidity, thereby ensuring the reliability of products

●Energy Device Equipment

Supply evaluation systems for secondary batteries and fuel cells installed in eco cars

●Semiconductor Equipment

Supply products such as burn-in chambers and systems for semiconductor inspection and measurement and evaluation systems



Temperature & Humidity Chamber
"Platinous J series"



Drive-In Chamber for Vehicle Testing



Burn-In chamber
for semiconductor inspection



Secondary Battery Charge-Discharge
Evaluation System

ESPEC's Business

Service Business

Contribute to the development of advanced technologies
through the supply of products and services leveraging environmental creation technology

•Supply products and services that contribute to the development of advanced technologies to solve social and environmental issues

●After-sales Service and Engineering

Conduct product maintenance and preventive maintenance so that customers can use systems with peace of mind.





Technical support using IT

●Laboratory Testing Services

Provide laboratory testing services based on technologies and testing expertise developed through environmental tests.





Capable of performing various safety tests for secondary batteries compliant with United Nations regulations and other standards
Battery Safety Testing Center

ESPEC's Business

Environmental Conservation Business

Contribute to biodiversity conservation

Environmental conservation business to restore the natural environment, including reforestation (tree planting) that contributes to biodiversity and CO2 fixation, waterfront biotope restoration to restore natural rivers, and grassland creation using native species.



A forest restored along the approach to Rinno-ji Temple in Sendai



Waterfront biotope restoration on the Sumida River Terrace in Tokyo

Plant Production Systems Business

Contribute to a stable food supply to address global warming and extreme weather

Provide plant factories and research devices that can efficiently produce vegetables by controlling temperature, light, and other factors, as well as systems such as aquaponics that circulate water and nutrients to grow vegetables and fish together.



Plant factory using deep sea water
Produce and sell vegetables high in minerals



Experimental System for Analyzing Responses of Dryland Plants to Climate Change
(Arid Land Research Center, Tottori University)

Products and Services that Contribute to Resolving Environmental and Energy Issues

■ Product lineup to evaluate the performance and durability of secondary batteries, fuel cells, solar batteries and power devices



Secondary Battery Charge-Discharge Evaluation System



Fuel Cells Evaluation System



Temperature Cycle Test System for Solar Battery Modules



Power Cycle Test System for Power Device

■ xEV Battery Safety Test & Certification Center compliant with United Nations regulations on the safety of automotive secondary batteries

- In October 2014, entered into business alliance with TÜV SÜD Japan Ltd., a third-party certification agency
- In September 2015, opened in Utsunomiya City, Tochigi Prefecture, and in February 2025, opened in Tokoname City, Aichi Prefecture



Tochigi xEV Battery Safety Test &Certification Center

■ Laboratory testing services using 100% renewable energies (domestic)

Environment Targets/Mid-term Plan on the Environment

Environment Targets for FY2030

Reduce greenhouse gas emissions by 60% for SCOPE 1+2, 30% for SCOPE 3 (compared with FY2019 levels)

■ In July 2023, received Science Based Targets (SBT) certification from the international SBT Initiative*

*SBT Initiative
An international initiative that encourages firms to set scientifically-grounded targets for reducing greenhouse gas emissions so that the goals of the Paris Agreement may be achieved. Jointly managed by CDP, which is an NGO involved in environmental information disclosure, UNGC (United Nations Global Compact), WRI (World Resources Institute), and WWF (World Wide Fund for Nature).

SCIENCE BASED TARGETS
DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

8th Mid-Term Plan on the Environment Plus II (FY2026–2027)

Reduce greenhouse gas emissions by 57% for SCOPE 1+2 (compared with FY2019 levels)

<Priority Themes>

- Strengthen measures to address global warming (CO2 reduction)
- Promote resource circulation and strengthen chemical substance management
- Promote biodiversity conservation
- Enhance disclosed information

Biodiversity Preservation Initiatives 1

Kobe R&D Center, a hub for biodiversity preservation activities
Received the Prime Minister's Award for Distinguished Service in the 2026 Greenery Promotion Campaign

- The site features a forest of approximately 30,000 native trees planted and nurtured by employees, rooftop green space featuring plant species native to the northern Rokko region on the roof of the Technology Development Building, and a biotope consisting of two ponds and a stream.
- In October 2023, the site was certified as a "Natural Symbiosis Site" by the Ministry of the Environment, and registered as an OECM in the international database*.
- In April 2026, Kobe R&D Center received the Prime Minister's Award for Distinguished Service in the 2026 Greenery Promotion Campaign.




表彰状

エスペック株式会社 神戸R&Dセンター殿

貴殿は多年にわたり緑豊かな地域社会づくりに励み緑化の推進に尽くした功績は誠に顕著であります
よってこれを表彰します

令和八年四月二十四日

内閣総理大臣 高市早苗

Certificate of the Prime Minister's Award for Distinguished Service in the 2026 Greenery Promotion Campaign

*OECM (Other Effective Area-based Conservation Measures): Areas outside protected areas that contribute to biodiversity conservation

Biodiversity Preservation Initiatives 2

Biodiversity conservation activities “ESPEC’s 50-Year Forest”

- In November 2022, started the forest creation for “ESPEC’s 50-Year Forest” using the “corporate forests” system under the Ministry of Agriculture, Forestry and Fisheries in Sanda City, Hyogo Prefecture
- Held a total of three tree-planting festivals by April 2024
- Approximately 400 employees and others participated in planting a total of 12,000 trees over the past two years



The 3rd Tree-Planting Festival
Seeds were selected based on carbon fixation and biodiversity functions.

ESPEC Foundation for Earth Environment Research and Technologies

- Provides funding support every year for research, technology development on global environmental conservation
- Grants totaling ¥173.9 million have been provided to a total of 344 groups over the past 27 years since the Foundation was established in 1977



28th award ceremony

Initiatives to Maximize Human Resources

Improving the quality of corporate culture and organizational management

- Round-up Training Course, Direct Communication sessions, Company-wide event, 1 on 1 meetings, address people with “san” rather than their job titles
- Engagement surveys, personnel assessments, and 360° Surveys
- A performance evaluation system that fosters ambition and growth

Individual growth support

- Career training
- Support for language study
- Recurrent education
- Remote learning

Company

- Diverse growth support
- Providing opportunities to shine

Enhancing corporate value

Sharing the joy of growth
Employees and management joining together in vigorous activity

Employees

- Independent growth
- Work satisfaction

Management strategy-linked human resources development

- Training of next-generation management
- Global human resources
- DX personnel and digital personnel

Diversity and inclusion Ensuring employee health and safety

- Promoting the utilization of women and senior citizen employees
- Promotion of Health and Productivity Management, mental healthcare
- Increasing the rate of disability hires
- Respect for human rights, harassment education

Contributions to Society

ESPEC Smile Club: a donation system featuring employee participation

- Donated to an organization that conducts CSR activities related to children and medical care through the matching gift system in which the Company matches donations made by employees.

- In April 2026, we donated a total of 1,403,900 yen to Japan Heart*, a specified nonprofit corporation.

* Japan Heart: An international medical NGO founded in Japan that provides free medical services both domestically and abroad.

Vegetables harvested at a plantation staffed by workers with disabilities were donated to children's cafeterias

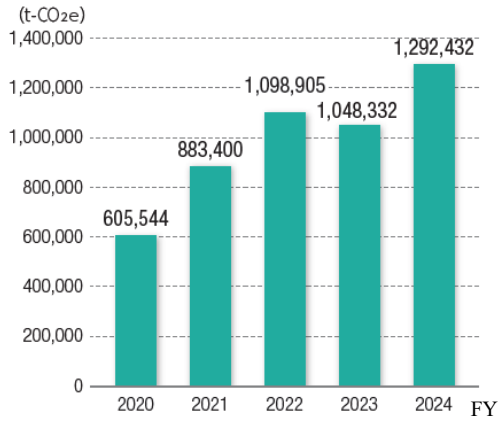
- Periodically donated vegetables harvested at ESPEC Smile Farm*, a plantation staffed by workers with disabilities, to local children's cafeterias

* Opened in November 2021 in a rental farm operated by a company that supports employment of people with disabilities. 4 individuals were hired to work at ESPEC Smile Farm, specifically 3 staff members with disabilities and 1 farm foreman.

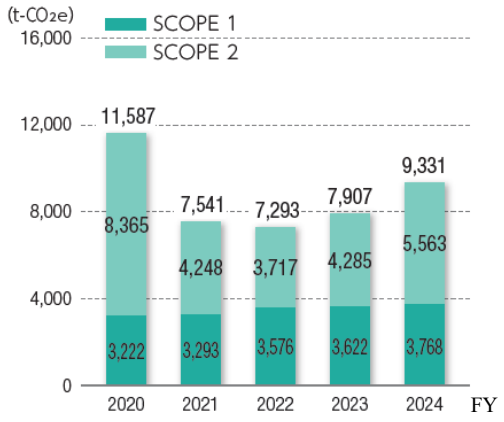


Non-Financial Data 1

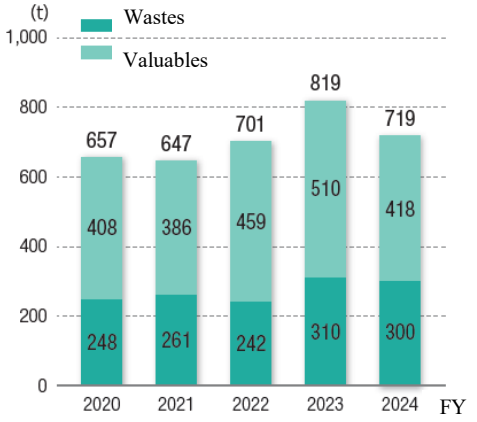
Greenhouse gas emissions
Total of SCOPE 1 + 2 + 3 (consolidated*)



Greenhouse gas emissions
Total of SCOPE 1 + 2 (in-house emissions)(consolidated*)



Total amount of Discharge (non-consolidated)

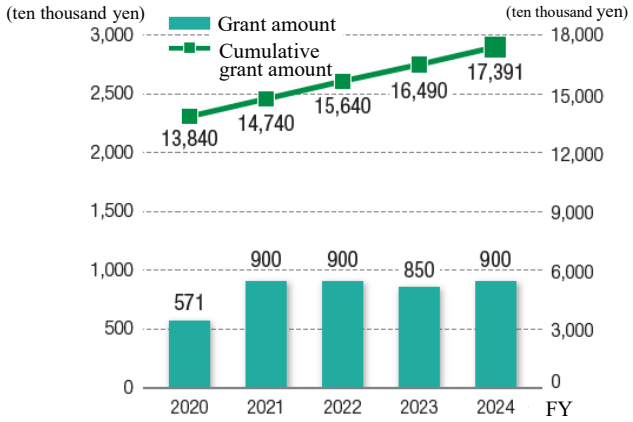


*Excludes the Cosmopia Hightech Corp., which was made a consolidated company in August 2023.

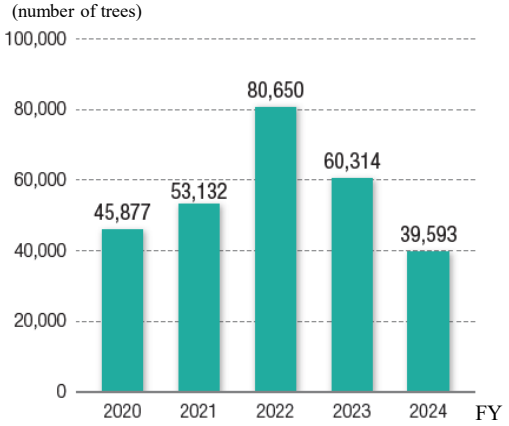
Certification acquisition rate for the Certification Test for Environmental Specialists (Eco Test) (non-consolidated)



Grants from the ESPEC Foundation for Earth Environment Research and Technologies



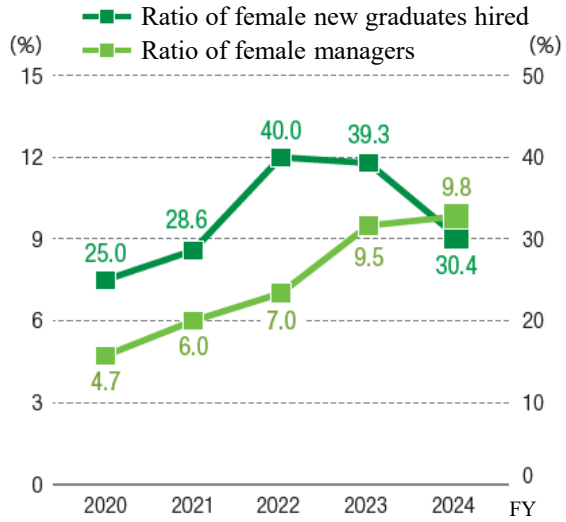
Number of trees planted through environmental preservation business



*Actual results for ESPEC MIC CORP.

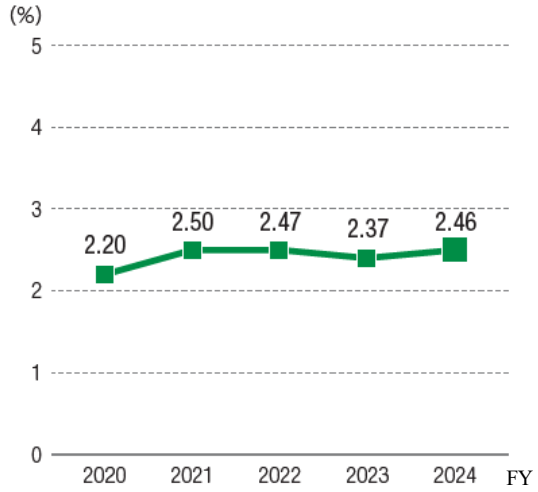
Non-Financial Data 2

Ratio of female managers
Ratio of female new graduates hired
(non-consolidated)



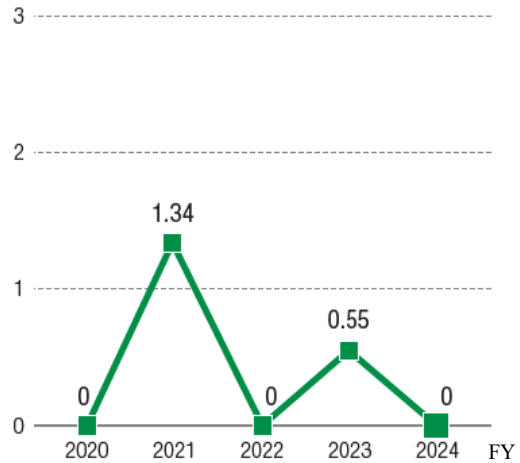
*As of beginning of each fiscal year

Percentage of employees with disabilities
(non-consolidated)



*As of the end of each fiscal year

Frequency rate*
(non-consolidated)



*Number of accidents with sick leave
/total number of worked hours × million hours

Non-Financial Data 3

		Unit	2021/3	2022/3	2023/3	2024/3	2025/3
Number of Employees*1 (Consolidated total)		Persons	1,526	1,628	1,691	1,775	1,860
Number of Employees*1 (Non-consolidated)	Male	Persons	658	643	636	633	663
	Female	Persons	122	127	142	157	175
	Total	Persons	780	770	778	790	838
Average years of service (Non-consolidated)		Years	19.2	19.1	17.2	17.0	15.3
Average age (Non-consolidated)		Years old	43.1	43.0	41.2	41.4	40.3
Turnover rate*2 (Non-consolidated)		%	2.3	1.6	1.4	3.3	2.3
Average overtime hours (Non-consolidated)		Hours	11.0	15.5	22.6	20.1	21.9
Average number of paid holidays taken (Non-consolidated)		%	65.8	69.1	75.1	74.3	77.8
Average wage difference between male and female (Non-consolidated)		%	-	-	70.3	72.5	73.5
Ratio of employees taking childcare leaves (Non-consolidated)	Male	%	12.5	30.8	13.3	52.9	56.0
	Female	%	100	100	100	100	100
Investment in employee education and development (Non-consolidated)		million yen	-	-	101	129	135
Occupational accident (excluding cases without lost workdays) (Non-consolidated)		Cases	0	2	0	1	0
Composition of Board of Directors*3 (Non-consolidated)	Ratio of independent outside*4	%	25	25	40	40	40
	Female ratio*4	%	0	0	20	20	20
Total number of reports to the internal hotlines (Non-consolidated)		Cases	0	0	0	1	0
Number of compliance issues (Non-consolidated)		Cases	2	1	3	2	2

*1 The number of employees is as of the end of each fiscal year.
*2 Retirees are excluded.
*3 The Company has transitioned from a company with an Audit & Supervisory Board to a company with an Audit & Supervisory Committee in June 2022.
*4 The number of female directors (including executive officers) is as of the end of June of each fiscal year.

External Recognition

■ ESG-Related Evaluations

- Included in the ESG index “FTSE JPX Blossom Japan Sector Relative Index”
  Included in the ESG index “S&P/JPX Carbo Efficient Index”
- Rated “B” score for the sixth consecutive year in the CDP Climate Change Survey,
  Water Security receives “B⁻” score for second consecutive year
  Selected as Supplier Engagement Leader for four consecutive years, the Top Rank in the Supplier Engagement Ratings
- Received a 3.5-star rating in the NIKKEI Sustainable Management Survey, SDGs Edition
- Received a 3-star rating in the NIKKEI Sustainable Management Survey, Smart Work Edition
- The Kobe R&D Center received the FY2026 Prime Minister’s Award for Contributors to the Green Promotion Campaign.
- Received the Platinum Kurumin certification from the Minister of Health, Labour and Welfare as a company supporting child-raising.
- Earned the “Three Star Certification” under the “Osaka City Leading Company in Women’s Participation” and also certified as a “Company Promoting Ikumen”

■ IR Website Evaluations

-Awarded a Silver Prize in the Gomez IR Website Ranking (5th in its industry)
- Selected as a Commendation Award of the Internet IR Award of Daiwa IR
- Selected as a “GRADE AAA” company website in the Nikko Investor Relations’ All-Japanese Listed Companies’ Website Ranking

These materials contain forward-looking statements, including the Company's present plans and forecasts of performance, that reflect the Company's plans and forecasts based on the information presently available. These forward-looking statements are not guarantees of future performance, and plans, forecasts, and performance are subject to change depending on future conditions and various other factors.

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Quality is more than a word

