



Securities ID code:6859

ESPEC CORP.

**Results Briefings for
Fiscal 2012 Ended March 2013**

May 23, 2013

www.espec.co.jp

Table of Contents

Summary of ESPEC Business (Per Market / Use)

Financial Result for the Fiscal 2012 Ended March 31, 2013

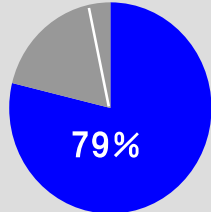
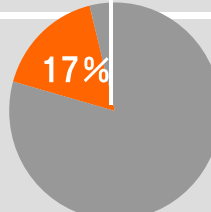
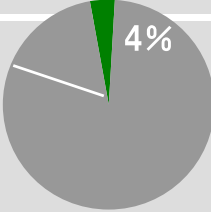
Analysis per Segment for the Fiscal 2012 Ended March 31, 2013

Management policy for the Fiscal 2013 Ending March 31, 2014

Business Plan for the Fiscal 2013 Ending March 31, 2014

Reference

Summary of ESPEC Business (Per Market / Use)

		Main Products	Market	Use	Sales composition (2013/3)
Equipment Business	Environmental Test Chambers	<ul style="list-style-type: none"> • Temperature & humidity chamber • Walk-in type temperature & humidity chamber • Thermal shock chamber • Vibration combined environmental test system • Bench-top type temperature & humidity chamber • HAST chamber 	<ul style="list-style-type: none"> • Electronic component and equipment market • Automobile market • Semiconductor market • Medicine, Cosmetics, Foods and others 	<ul style="list-style-type: none"> • For R & D • For credibility and evaluation • For production and inspection 	
	Energy Device Equipment	<ul style="list-style-type: none"> • Advanced battery tester • LIB electrode oven 	<ul style="list-style-type: none"> • Secondary batteries • Solar battery • Next generation Automobile 	<ul style="list-style-type: none"> • For R & D • For credibility and evaluation • For production 	
	Semiconductor Equipment	<ul style="list-style-type: none"> • Burn-in system • Semiconductor evaluation system • Instrumentation system 	<ul style="list-style-type: none"> • Semiconductor market • Automobile market 	<ul style="list-style-type: none"> • For production and inspection • For development and evaluation 	
	FPD Equipment	<ul style="list-style-type: none"> • Single processing system vertical clean oven • Low Oxygen Clean Oven (Temperature Property: Maximum 500°C) 	<ul style="list-style-type: none"> • LCD market • Organic Electro-Luminescence market 	<ul style="list-style-type: none"> • For production (Annealing, baking, drying) 	
Service Business	After-sales Service and Engineering	<ul style="list-style-type: none"> • After-sales service • Construction around equipment 	<ul style="list-style-type: none"> • Electronic component and equipment market • Automobile market • Semiconductor market 	—	
	Commissioned Tests and Facility Rentals	<ul style="list-style-type: none"> • Commissioned test • Equipment rental • Resale • Calibration 		<ul style="list-style-type: none"> • For R & D • For credibility and evaluation 	
Other Business	Environmental Engineering Business	Reforestation (Tree planting), Waterfront biotope restoration, urban greening			
	New Business	Plant factory, developing and creating new businesses as a major source of profit			

ESPEC

*Financial Result for the Fiscal 2012
Ended March 31, 2013*



Financial Highlights

The company posted a decrease in net sales due to sluggish investments made by our customers in Japan, but posted an increase in operating income.

Profit and Losses

- In the first half, the amount of orders received remained strong due to active investments made by automobile-related manufacturers.

In the second half, the amount of orders received decreased sharply due to sluggishness in the Japanese market including electronics manufacturers.

As a result, both the amount of orders received and sales decreased.

- The operating income increased due to the improvement in the cost of net sales ratio and a decrease in selling, general and administrative expenses.

The net income decreased due to the increase in tax expense.

Balance Sheet and Cash Flow

- Total assets increased by approx. 1 billion yen due to the increase in cash and deposits and short-term investment securities, etc.
- Both net assets and total assets increased. The equity rate increased by 1.4 points to 76.2%.
- Cash increased by approx. 3.63 billion yen, reflecting the increase in operating cash flow and investment cash flow.

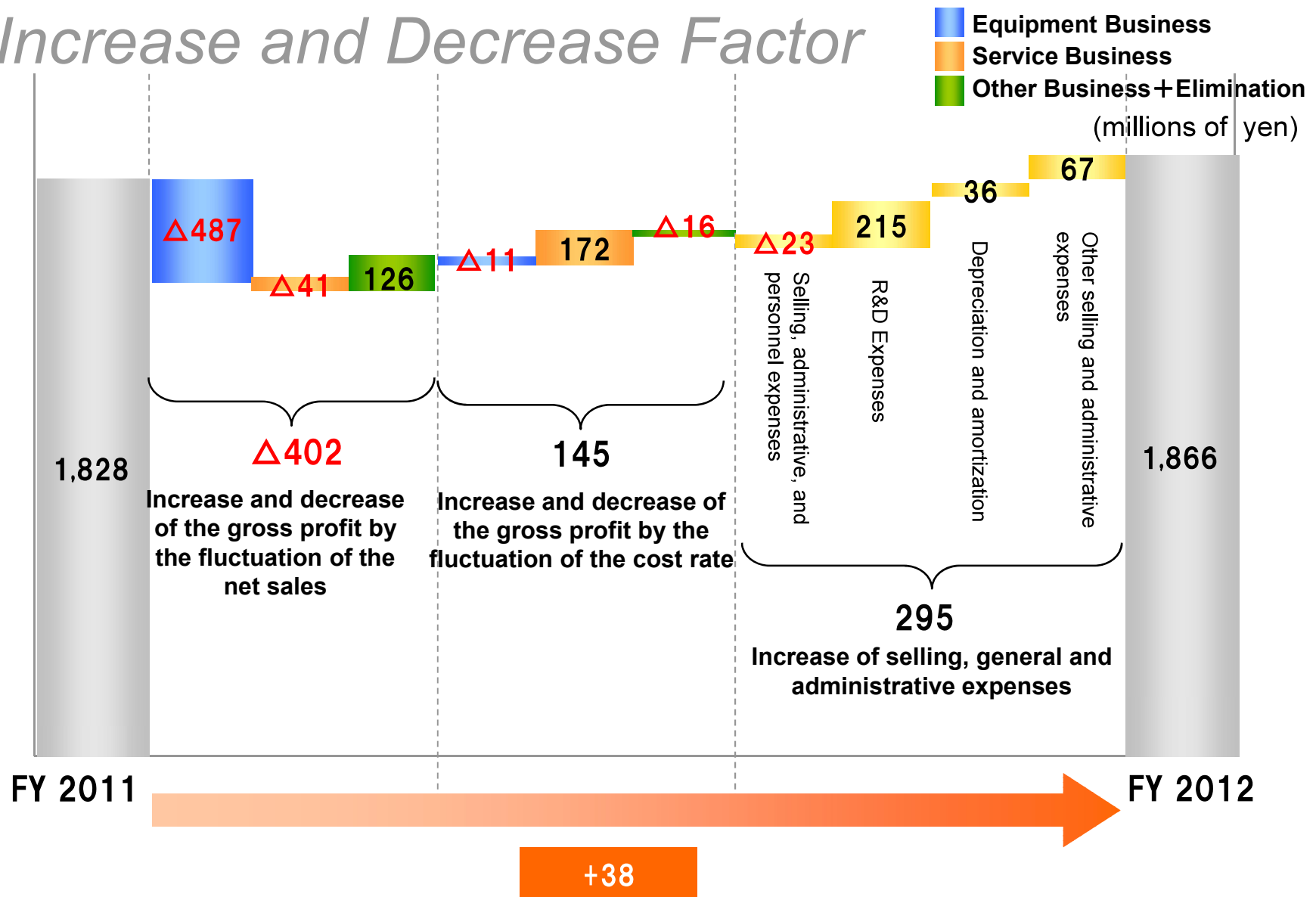
Dividends

- The company's annual dividend will be 15 yen per share, with an interim dividend of 7 yen and a year-end dividend of 8 yen (scheduled).

Summary of Profits and Losses

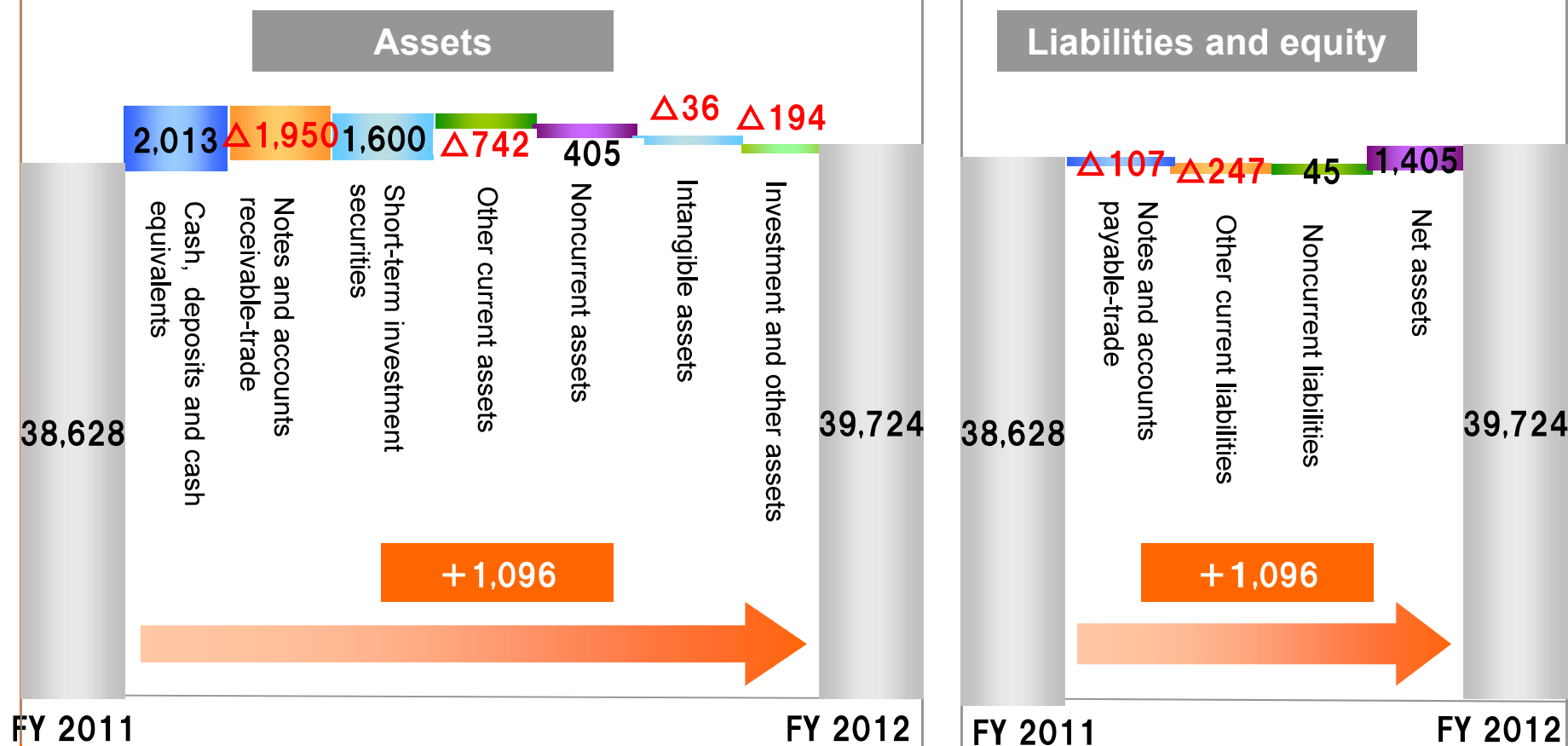
	FY 2011	FY 2012	Rate of Change
Orders-Received	31, 692	30, 412	Δ4. 0%
Net sales	31, 906	30, 799	Δ3. 5%
Cost of Net Sales	21, 367 (66. 9%)	20, 518 (66. 6%)	Δ3. 9% (Δ0. 3pt)
Gross profit	10, 538	10, 281	Δ2. 4%
SG & A	8, 710	8, 415	Δ3. 3%
Operating income	1, 828	1, 866	2. 1%
Ordinary income	2, 076	2, 162	4. 1%
Quarterly net income	1, 929	1, 219	Δ36. 8%

Analysis of Operating Income Increase and Decrease Factor



Analysis of Assets and Liabilities Increase and Decrease Factor

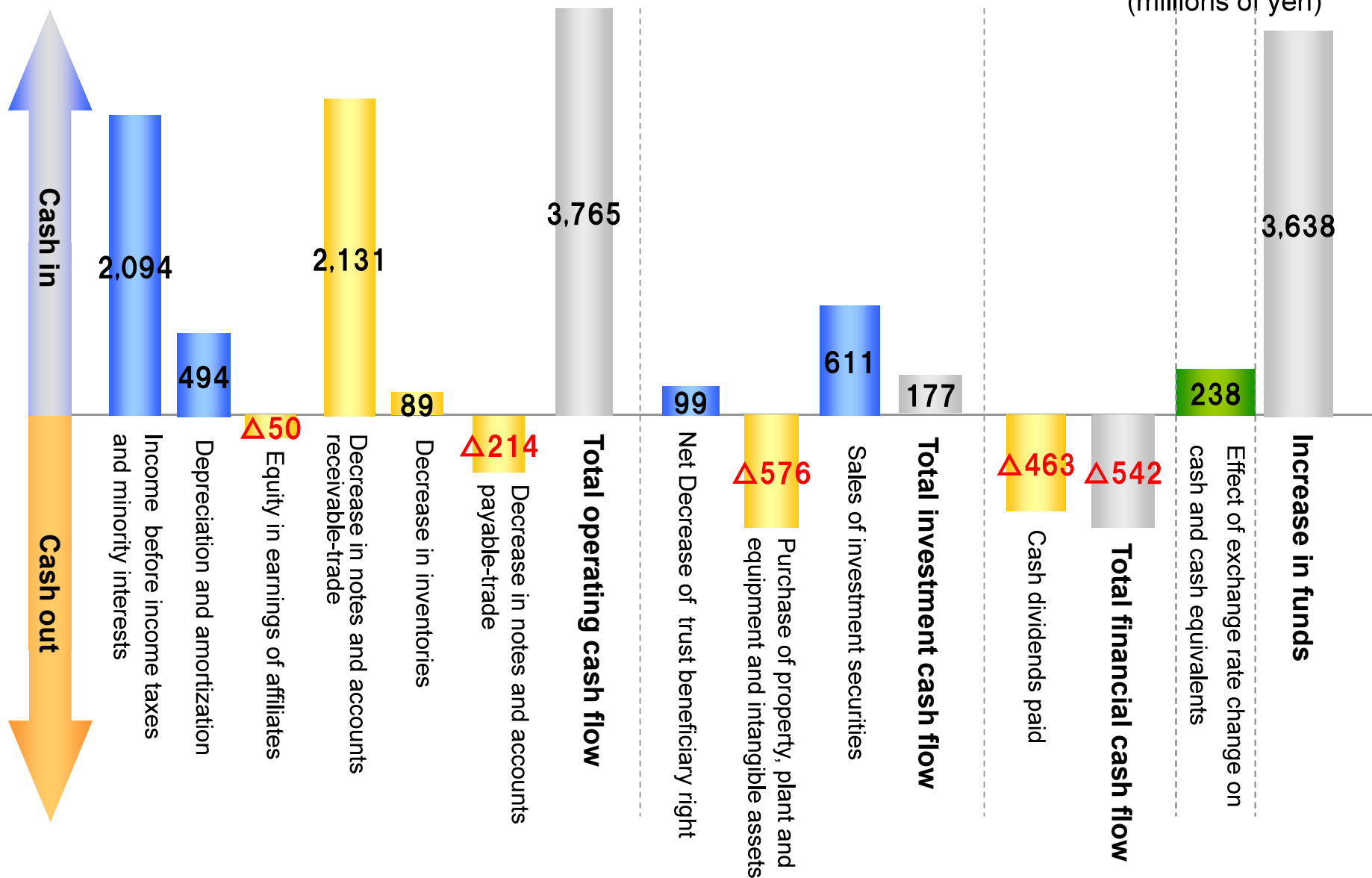
(millions of yen)



■ **Total assets increased by approx. 1 billion yen** due to the increase in cash and deposits and short-term investment securities, etc.

Statement of Cash Flow

(millions of yen)



ESPEC

*Analysis per Segment for the Fiscal 2012
Ended March 31, 2013*



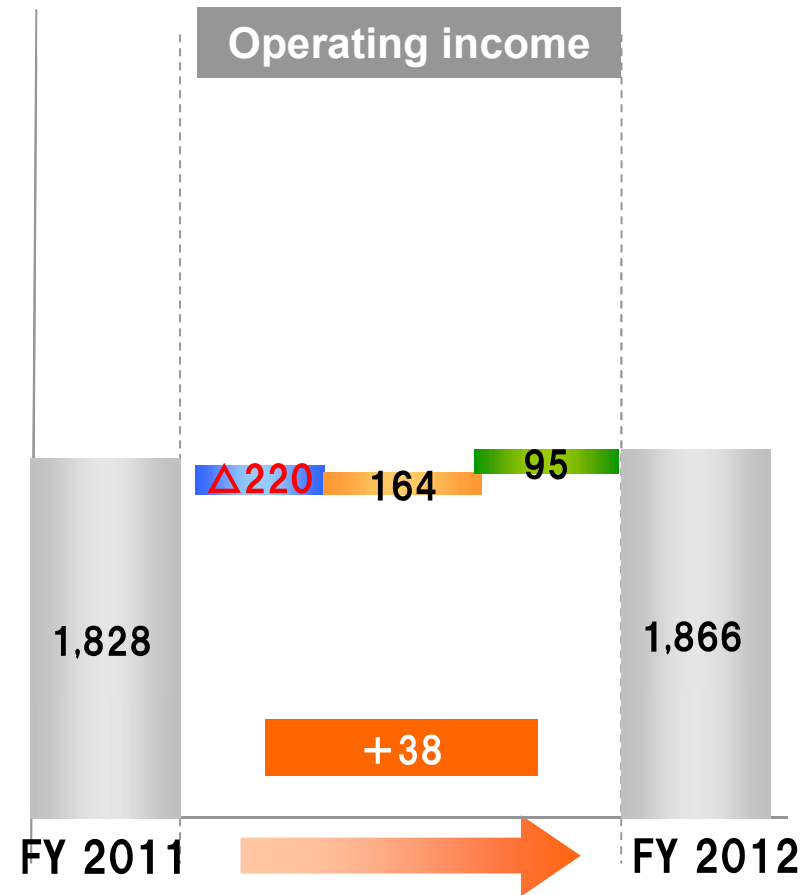
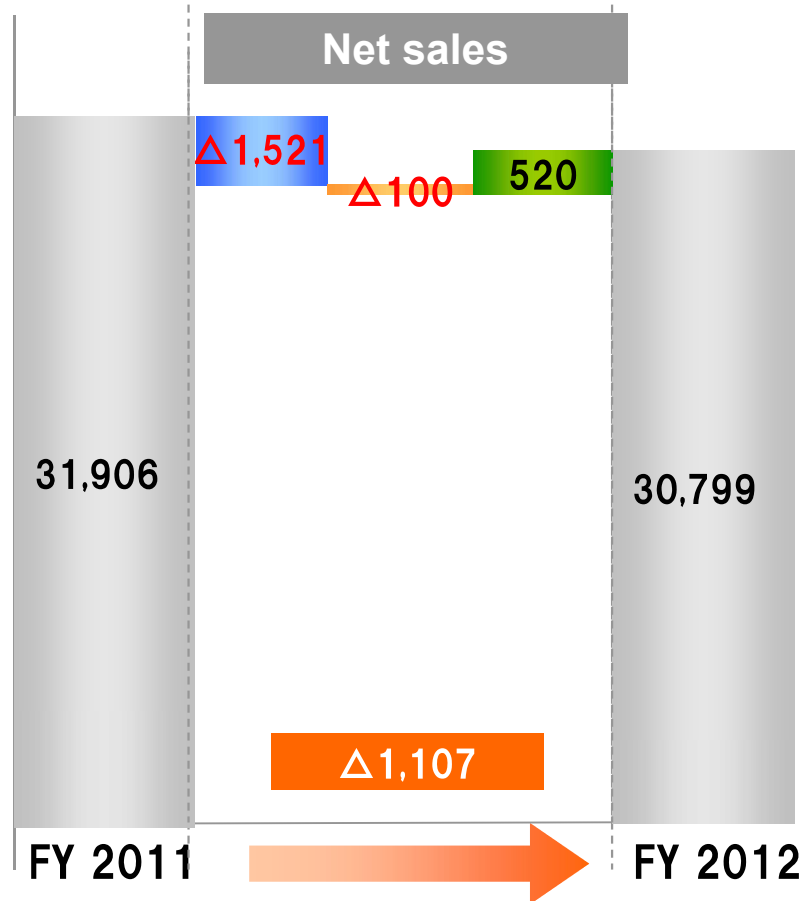
Performance by Segment

(millions of yen)

		FY 2011	FY 2012	Rate of Change	Revision Plan
Equipment Business	Orders-Received	25,551	24,051	Δ5.9%	26,700
	Net Sales	25,889	24,368	Δ5.9%	25,700
	Operating Income	1,559	1,339	Δ14.1%	1,450
Service Business	Orders-Received	5,320	5,169	Δ2.8%	5,300
	Net Sales	5,301	5,201	Δ1.9%	5,300
	Operating Income	486	650	33.7%	600
Other Business	Orders-Received	952	1,322	38.8%	1,200
	Net Sales	845	1,365	61.4%	1,200
	Operating Income	Δ218	Δ123	—%	Δ150
Elimination	Orders-Received	Δ132	Δ131	—	Δ200
	Net Sales	Δ130	Δ134	—	Δ200
	Operating Income	0	0	—	0
Total	Orders-Received	31,692	30,412	Δ4.0%	33,000
	Net Sales	31,906	30,799	Δ3.5%	32,000
	Operating Income	1,828	1,866	2.1%	1,900

Analysis of Variance between Previous Year and This Year

■ Equipment Business
■ Service Business
■ Other Business+Elimination
 (millions of yen)



■ The equipment and service businesses posted a decrease, resulting in the decrease in net sales.

■ Net profit increased due to increased profit in the service business and decreased losses in other businesses.

Equipment Business

Environmental Test Chambers

- In the Japanese market, sales of new products were affected by a sluggish economy in the second half (almost unchanged from sales in the previous year).

Regarding walk-in type temperature (& humidity) chambers, the amount of orders received increased significantly from the previous year, but did not add sales in this year because there were many orders for large-scale projects with long delivery periods.

- In overseas markets, exports and sales by group company outside Japan remained strong.
- Overall, both the amount of orders received and sales decreased from the previous year.

Energy Device Equipment

- ESPEC CORP. endeavored to garner orders and increase public recognition by expanding its product lineup and conducting demonstration tests. Both the amount of orders received and sales increased from the previous year.
- Sales of ESPEC TECHNO CORP. decreased significantly from the previous year due to decreased investments by customers.
- Overall, both the amount of orders received and sales increased from the previous year.

Semiconductor Equipment

- Due to the sluggish market, both the amount of orders received and sales decreased from the previous year, in which business was brisk.

FPD Equipment

- Orders for clean ovens were received from manufacturers in Japan, etc. However, both the amount of orders received and sales decreased significantly from the previous year.

Equipment Business

(millions of yen)	FY 2011	FY 2012		Revision Plan
			Rate of Change	
Orders- Received	25, 551	24, 051	Δ5. 9%	26, 700
Net Sales	25, 889	24, 368	Δ5. 9%	25, 700
Operating Income [Profit ratio (%)]	1, 559 [6. 0%]	1, 339 [5. 5%]	Δ14. 1%	1, 450 [5. 6%]

Service Business

(millions of yen)	FY 2011	FY 2012		Revision Plan
			Rate of Change	
Orders- Received	5,320	5,169	Δ2.8%	5,300
Net Sales	5,301	5,201	Δ1.9%	5,300
Operating Income [Profit ratio (%)]	486 [9.2%]	650 [12.5%]	33.7%	600 [11.3%]

After-sales Service and Engineering

- Both the amount of orders received and sales decreased from the previous year due to cost reduction measures on the part of customers, etc.

Commissioned Tests and Facility Rentals

- Consultations regarding testing (one of the main businesses) grew for the automobile market. Resales remained solid. Both the amount of orders received and sales increased from the previous year.

Other Business

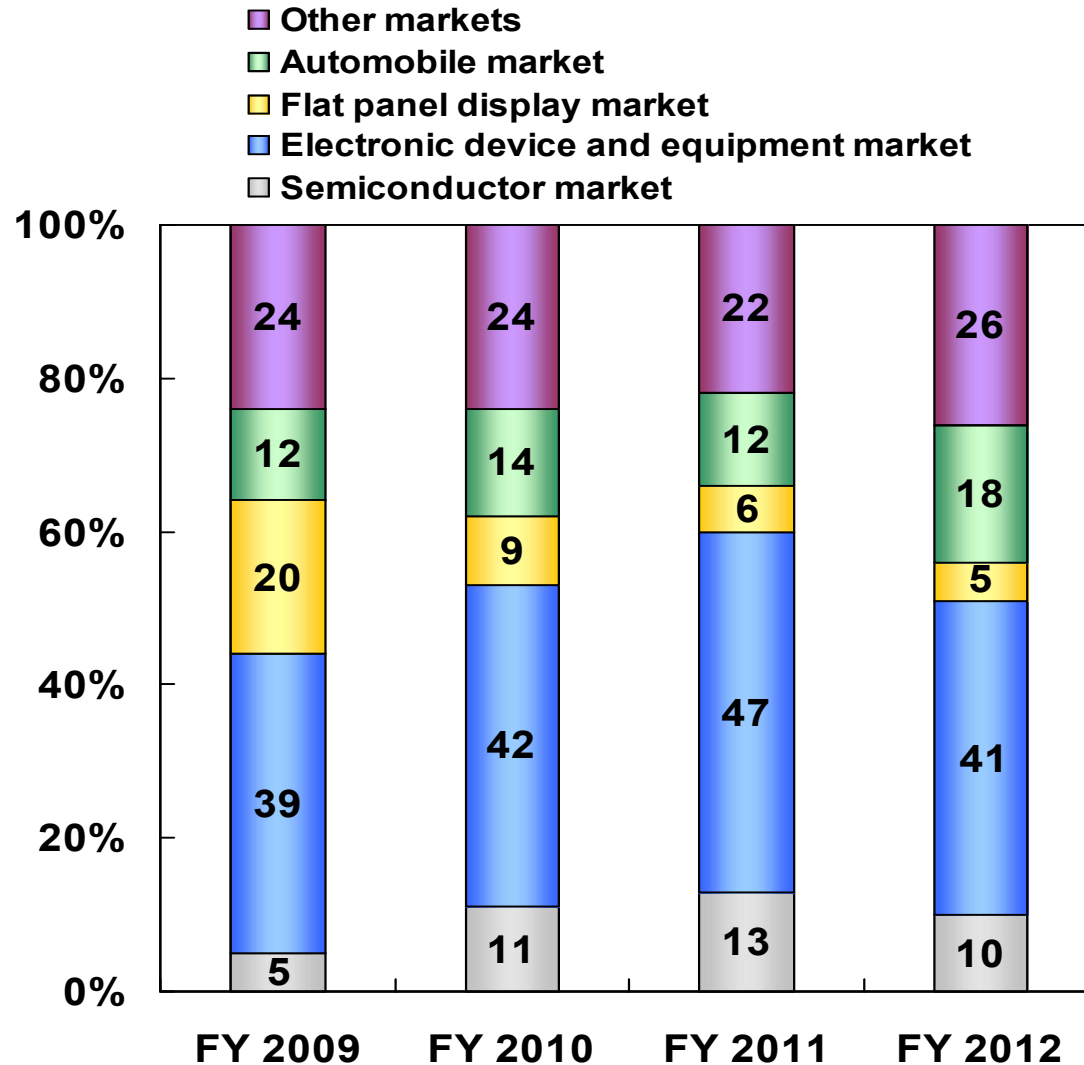
(millions of yen)	FY 2011	FY 2012		Revision Plan
			Rate of Change	
Orders- Received	952	1, 322	38. 8%	1, 200
Net Sales	845	1, 365	61. 4%	1, 200
Operating Income [Profit ratio (%)]	Δ218 [- %]	Δ123 [- %]	- %	Δ150 [- %]

Environmental Engineering and Plant Factory

- In the environmental engineering business segment, Reforestation (Tree planting) that had been sluggish turned solid. Orders received for large-scale projects in the plant factory business segment in connection with reconstruction from the earthquake were delivered.
- Overall, both the amount of orders received and sales increased from the previous year.

Breakdown of Sales by Market

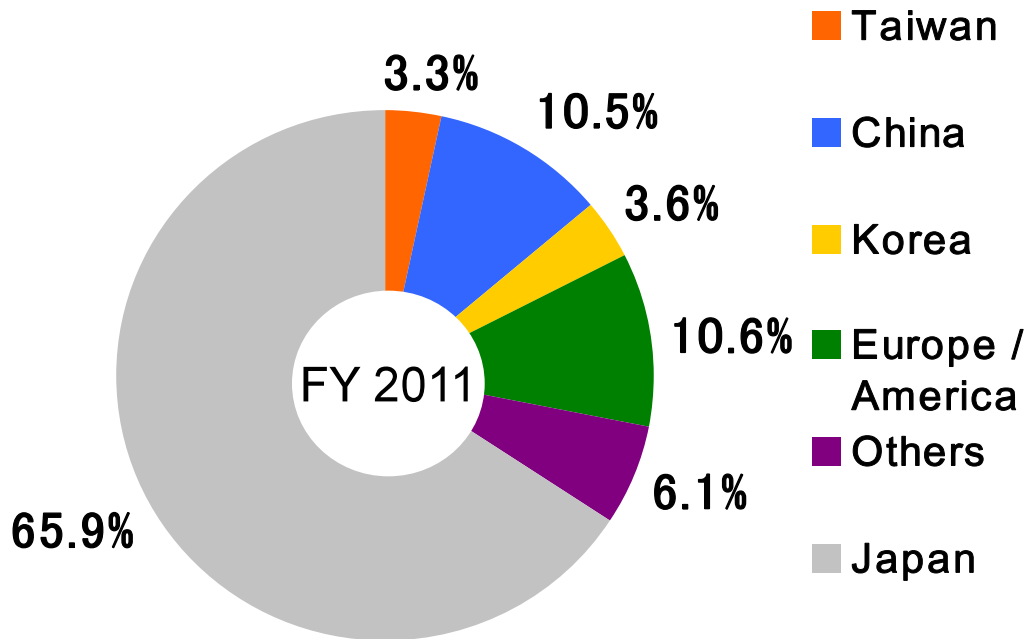
Non-consolidated (Equipment business)



Sales by Region

FY 2011

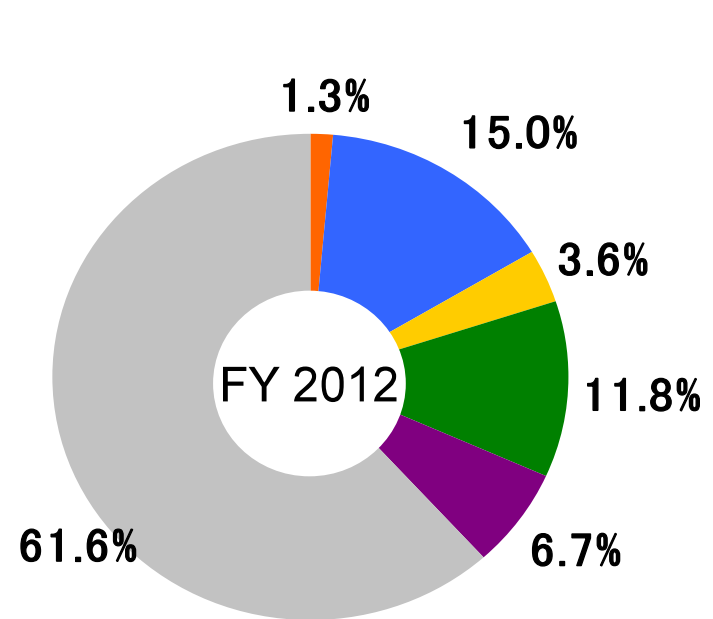
Overseas sales ratio: 34.1%



Total: 31,906 million yen
(Overseas sales: 10,884 million yen)

FY 2012

Overseas sales ratio: 38.4%



Total: 30,799 million yen
(Overseas sales: 11,819 million yen)

ESPEC

*Management policy for the Fiscal 2013
Ending March 31, 2014*



Targets for Consolidated Revenues and Earnings

	FY 2012	FY 2013 Target
Net Sales	¥30,799million	¥32,000 million or more
Operating Income	¥1,866million	¥2,300 million or more
Operating Income Ratio	6.1%	7% or more

Management Policy for the Fiscal 2013

1. Pursue growth strategies “faster” and “more dynamically”
2. Achieve “expansion in the scope of business” and “efficiency enhancements” in order to survive in the Japanese market

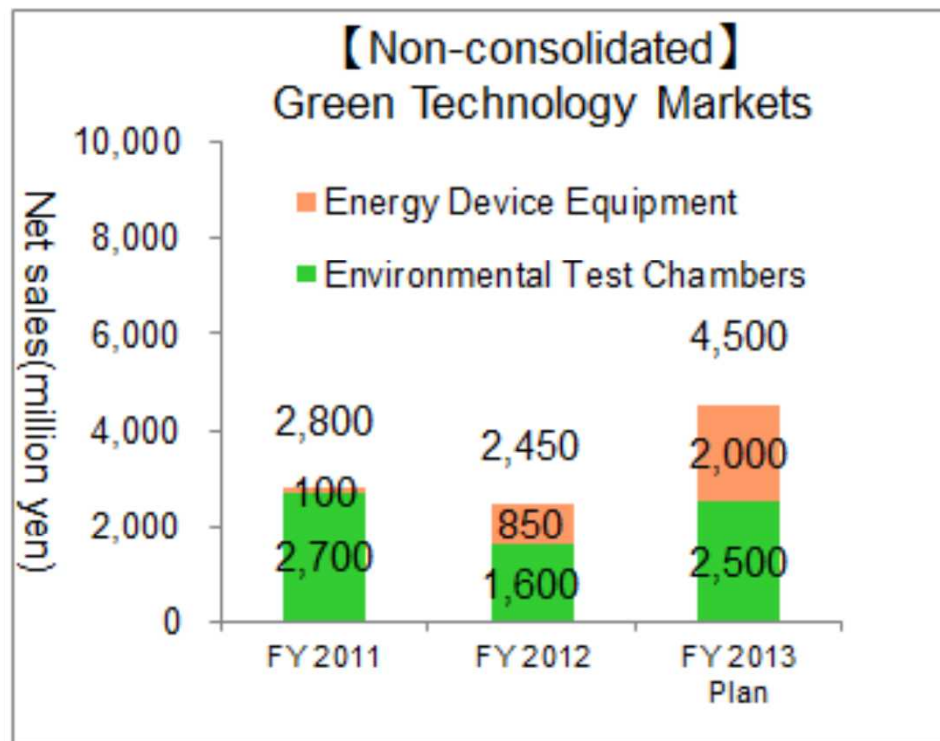
1 Expand the scope of measures in green technology markets

Status of the green technology markets

- R&D investment in green vehicles remained strong.
- Demand for the safety-related testing of in-vehicle secondary batteries increased.



The scope of activities will be expanded to overall green vehicles.



FY 2013, Ending March 2014 Plan
【Non-consolidated】
 Green technology markets
 Net sales 4,500 million yen

1 *Expand the scope of measures in green technology markets*

Environmental Test Chambers



Large volume thermal shock chamber



Customized product of walk-in type temperature & humidity chamber

Energy Device Equipment



charge-discharge cycle evaluation equipment



Power cycle evaluation equipment

Green vehicles car market

Reliability testing + Safety testing

actual
vehicle

secondary
batteries

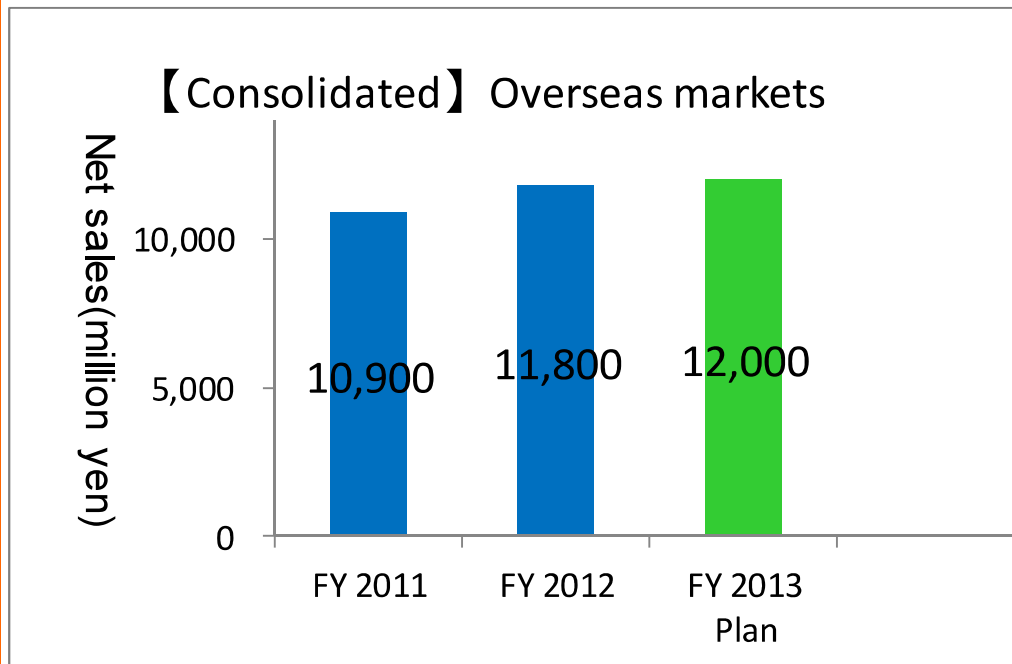
power
semiconductors

2 Accelerate China and Asia strategies aimed at establishing Multi-standard product lineups, and deeply cultivating Southeast Asian markets

Status of overseas markets

- In China, the market is not as brisk as the previous year, at present. However, there are high expectations for market expansion.
- Japanese-affiliated companies have been increasingly shifting their operations to Southeast Asia.

- The product lineup will be enhanced.
- Efforts will be made to enhance ties with Japanese-affiliated companies operating in Southeast Asia.



FY 2013, Ending March 2014 Plan

【Consolidated】

Overseas markets

Net sales 12,000 million yen

2 Accelerate China and Asia strategies aimed at establishing Multi-standard product lineups, and deeply cultivating Southeast Asian markets

■ Enhancing the product lineup

Expand production items at manufacturing companies in China and South Korea

Develop export-exclusive models

Establish a manufacturing subsidiary in China

■ Expanding exports to the Southeast Asia market

The ASEAN Support Desk will be set up to support Japanese-affiliated companies operating in Southeast Asia

2 Accelerate China and Asia strategies aimed at establishing Multi-standard product lineups, and deeply cultivating Southeast Asian markets

Manufacturing subsidiaries of China

1 Trade name	ESPEC TEST EQUIPMENT (GUANGDONG) CO., LTD.
2 Address	Guangzhou City, Guangdong Province, China
3 Representative	Masaaki Ishida, President (President and Representative Director of ESPEC CORP.)
4 Business domain	Manufacture and Sales of Environmental Test Chambers
5 Capital	37 million yuan
6 Investment ratio	ESPEC (CHINA) LIMITED (a wholly owned subsidiary of ESPEC CORP.) 100%
7 Date of establishment	May 7, 2013
8 Account closing month	December

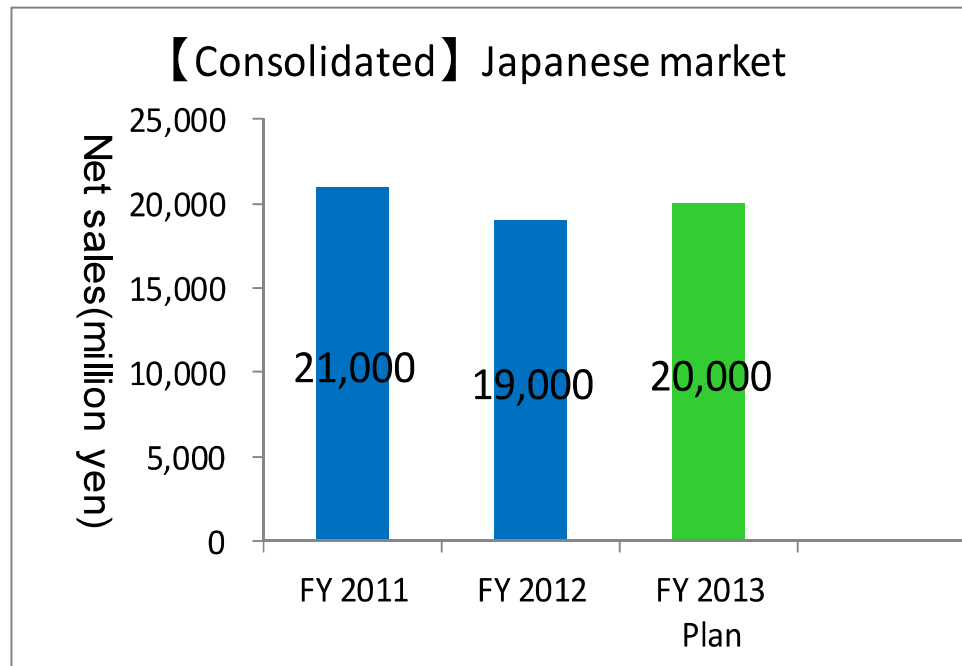
3 *Expand the scope of business in the Japanese market and enhance the efficiency of existing businesses*

Status of the Japanese market

- Many of our major customers continue to take cautious policies regarding investment.
- R&D investment is brisk in the green vehicle market.



- Expand the scope of business
- Enhance the profitability of existing businesses



FY 2013, Ending March 2014 Plan

【Consolidated】

Japanese market

Net sales 20,000 million yen

3 Expand the scope of business in the Japanese market and enhance the efficiency of existing businesses

■ Expanding the scope of business

Customized products
in the green vehicle market

Expand business
in the 'life market'

Promote the purchase of
replacements by enhancing
network functions

■ Increasing the efficiency of existing business

Improve the efficiency of sales and
service activities thoroughly




Testing of actual vehicle



Stability test chamber for pharmaceuticals

ESPEC

*Business Plan for the Fiscal 2013
Ending March 31, 2014*



Full-term Plan for the Fiscal 2012

(millions of yen)	FY 2012 (Results)		FY 2013 (Plan)			
	Second Quarter	Fiscal	Second Quarter		Fiscal	
				2Q on 2Q ratio		Year on year ratio
Orders-received	16,137	30,412	15,000	△7.0%	32,000	5.2%
Net sales	14,290	30,799	14,500	1.5%	32,000	3.9%
Gross profit [Profit ratio (%)]	4,925 [34.5%]	10,281 [33.4%]	5,000 [34.5%]	1.5%	11,000 [34.4%]	7.0%
Operating income (loss) [Profit ratio (%)]	850 [5.9%]	1,866 [6.1%]	900 [6.2%]	5.9%	2,300 [7.2%]	23.2%
Ordinary income (loss) [Profit ratio (%)]	876 [6.1%]	2,162 [7.0%]	950 [6.6%]	8.4%	2,400 [7.5%]	11.0%
Net Income [Profit ratio (%)]	618 [4.3%]	1,219 [4.0%]	500 [3.4%]	△19.1%	1,300 [4.1%]	6.6%
Capital expenditures	520	794	290	△44.2%	630	△20.7%
Depreciation expenses	238	485	282	18.5%	605	24.5%
R&D expenditures	485	1,142	610	25.8%	1,110	△2.9%
Profit Per Share (yen)	26.57	52.43	21.50	△19.1%	55.89	6.6%

Equipment Business

(millions of yen)	FY 2012 (Result)		FY 2013 (Plan)			
	Second Quarter	Fiscal	Second Quarter	Fiscal		
				2Q on 2Q ratio	Year on year ratio	
Orders-Received	12,975	24,051	11,850	Δ8.7%	25,500	6.0%
Net sales	11,419	24,368	11,550	1.1%	25,500	4.6%
Operating income [Profit ratio (%)]	642 [5.6%]	1,339 [5.5%]	700 [6.1%]	9.0%	1,650 [6.5%]	23.2%

Service Business

(millions of yen)	FY 2012 (Result)		FY 2013 (Plan)			
	Second Quarter	Fiscal	Second Quarter		Fiscal	
				2Q on 2Q ratio		Year on year ratio
Orders-Received	2,625	5,169	2,500	Δ4.8%	5,300	2.5%
Net sales	2,445	5,201	2,500	2.2%	5,300	1.9%
Operating income [Profit ratio (%)]	282 [11.5%]	650 [12.5%]	250 [10.0%]	Δ11.3%	600 [11.3%]	Δ7.7%

Other Business

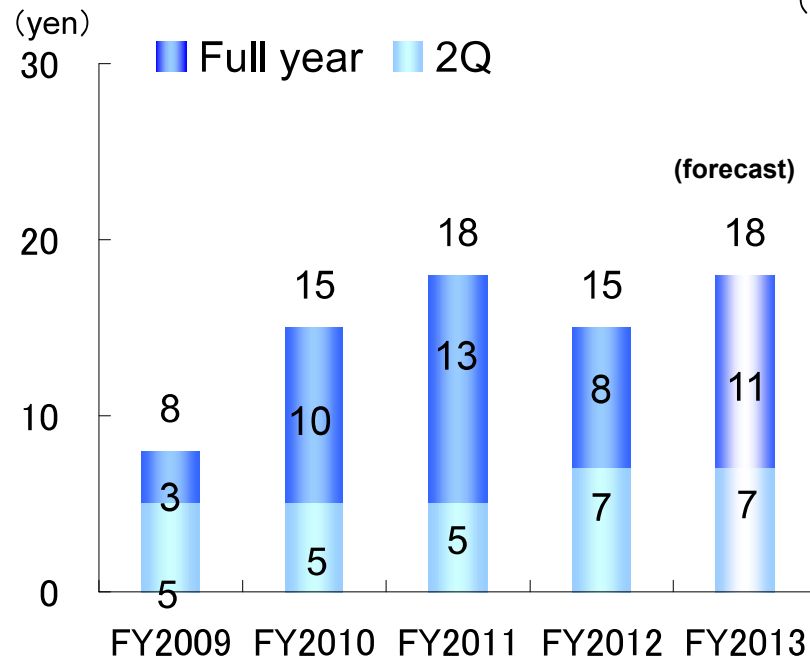
(millions of yen)	FY 2012 (Result)		FY 2013 (Plan)			
	Second Quarter	Fiscal	Second Quarter		Fiscal	
				2Q on 2Q ratio		Year on year ratio
Orders-Received	611	1,322	700	14.6%	1,300	Δ1.7%
Net sales	491	1,365	500	1.8%	1,300	Δ4.8%
Operating income (loss) [Profit ratio (%)]	Δ75 [-%]	Δ123 [-%]	Δ50	—	50	—

Dividends

Dividend policy

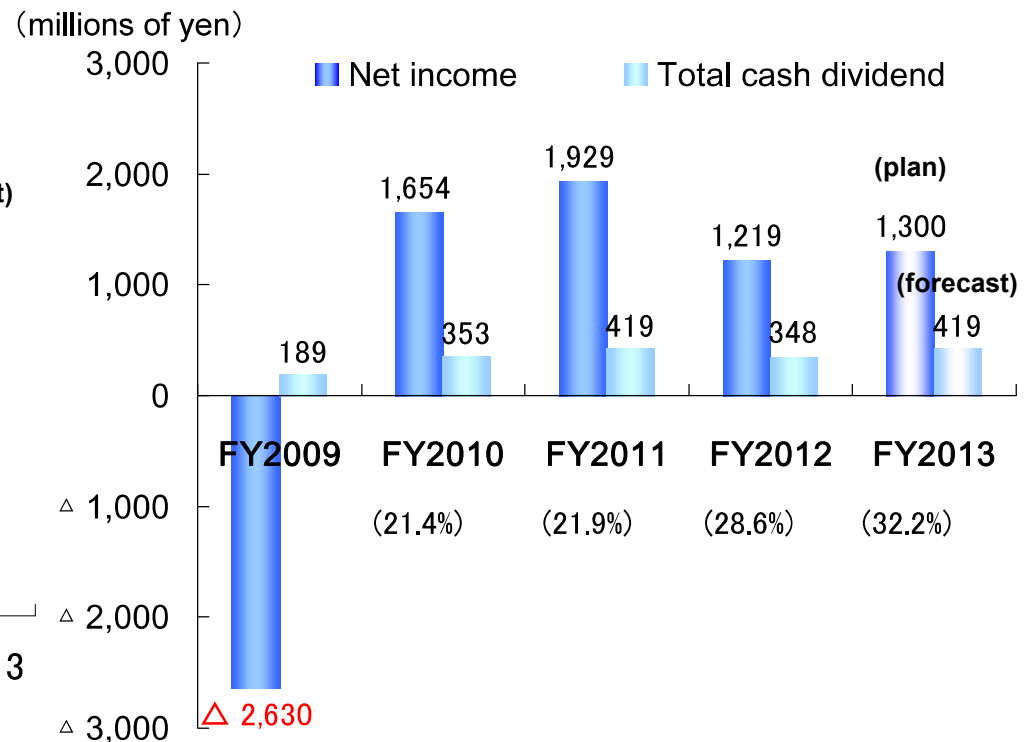
Recognizing that passing on profits to our shareholders is a key priority and that raising corporate value on a lasting basis is fundamental to raising shareholder value, dividends are decided taking into account sustainability and the dividend payout ratio.

Dividend per share



Net income and total cash dividend

*Consolidated dividend payout ratio in parentheses.



Medium-term Management Plan

The results were significantly different from the plan in the fiscal year ended March 2013 (the second year of the mid-term plan). Targets for revenues and earnings in the fiscal year ending March 2014 (the final year) have been reviewed.

PROGRESSIVE PLAN 2013

from fiscal 2011 to fiscal 2013

Basic Policy for the Medium Term

Green Innovation is a Prime Business Opportunity for Reorienting Our Executive Management to Play Offense

Targets for Consolidated Revenues and Earnings

	Fiscal 2011 (Target)	Fiscal 2012 (Target)	Fiscal 2013 (Target)
Net Sales	Million yen 31,500 or more	Million yen 35,000 or more	Million yen 40,000 or more
Operating Income	1,300 or more	2,500 or more	3,200 or more
Operating Income Ratio	4% or more	7% or more	8% or more

FY2011 Result Net sales 31,906million yen Operating income 1,828million yen (5.7%)

FY2012 Result Net sales 30,799million yen Operating income 1,866million yen (6.1 %)

FY2013 Plan

Net sales 32,000million yen or more Operating income 2,300million yen or more (7% or more)

Quality is more than a word

ESPEC



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.

INQUIRIES:

ESPEC CORP.

3-5-6, Tenjinbashi, Kita-ku, Osaka 530-8550, Japan

TEL: 81-6-6358-4744 FAX: 81-6-6358-4795

E-mail: ir-div@espec.jp

Kenji Fuchita

Chief Officer

Corporate Planning Headquarters

Natsuko Okawa

Corporate Strategy Department

Corporate Planning Headquarters

ESPEC

Reference



Company Profile

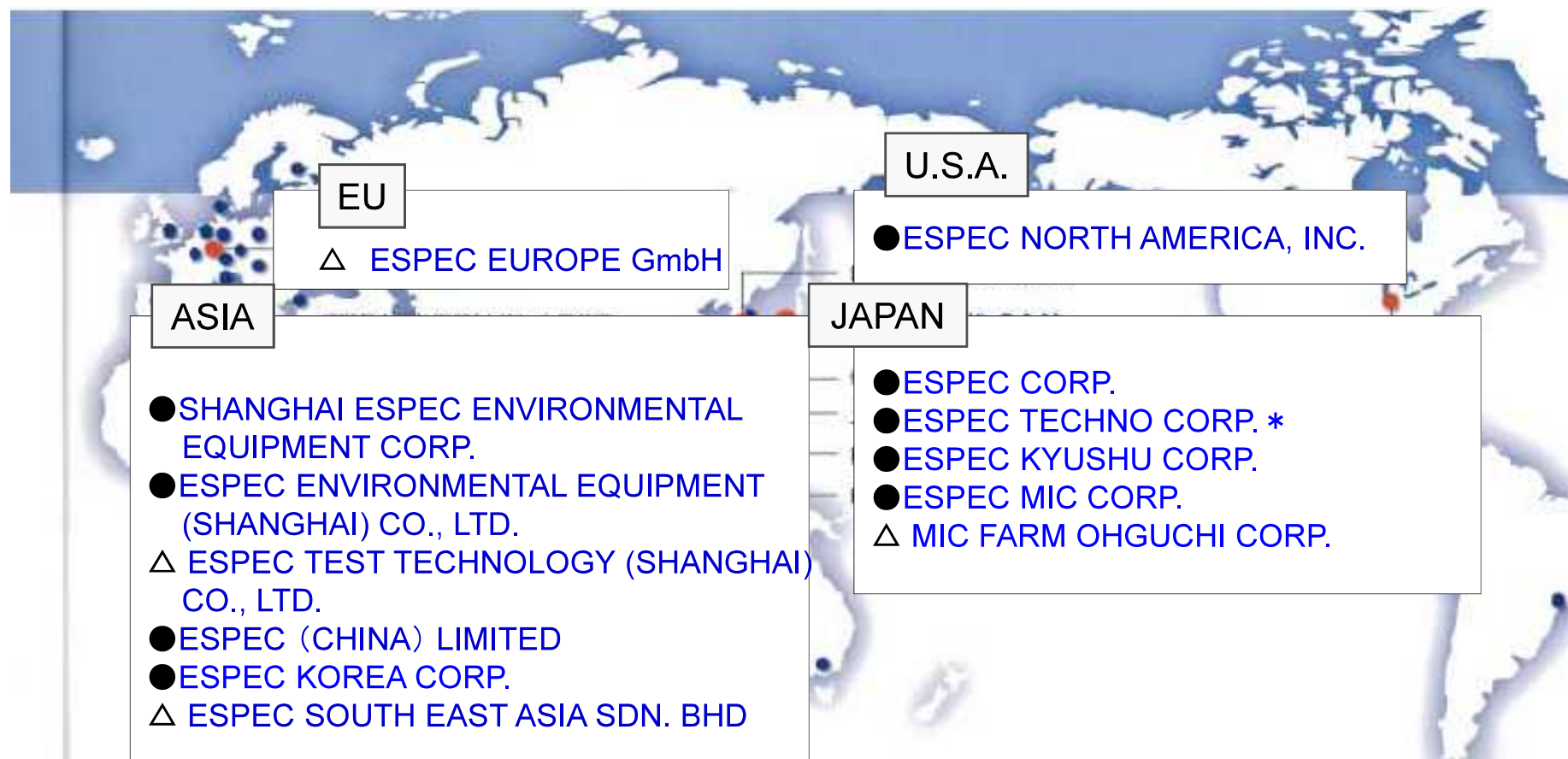
Name	ESPEC CORP.
Head Office	3-5-6, Tenjinbashi, Kita-ku, Osaka
Represented By	Masaaki Ishida
Established	July 25, 1947
Incorporated	January 13, 1954
Paid-up Capital	¥6,895 Million
Shares Issued	23,781,394 Shares
Employees	1,317 (consolidated)
Main Business	Manufacture and Sales of Environmental Test Chambers, Energy Device Equipment, Semiconductor Equipment, FPD Equipment and Plant Factory. After-sales Service, Commissioned Tests and others.



[Head office]

(As of March 31, 2013)

Global Network



* The trade name of ESPEC TECHNO CORP. was changed to "ESPEC TEST SYSTEM CORP." on April 1, 2013.

●: Consolidated Subsidiaries
○: Equity Method Applied Affiliated Companies
△: Non-consolidated Subsidiaries

(As of March 31, 2013)

History of Environmental Test

What is Environmental Test

Test to analyze and evaluate effects of environmental factors such as temperature, humidity, pressure, and light 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.



<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.



<Today>

Demand has been growing in new energy sectors such as secondary batteries and solar batteries.

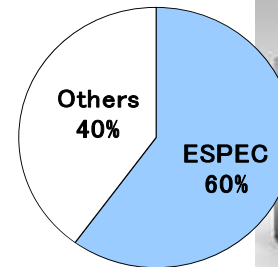


Japan's First Environmental Test Chamber



Low temperature & humidity chamber "Lucifer" (1961)

To Domestic Market Share No.1



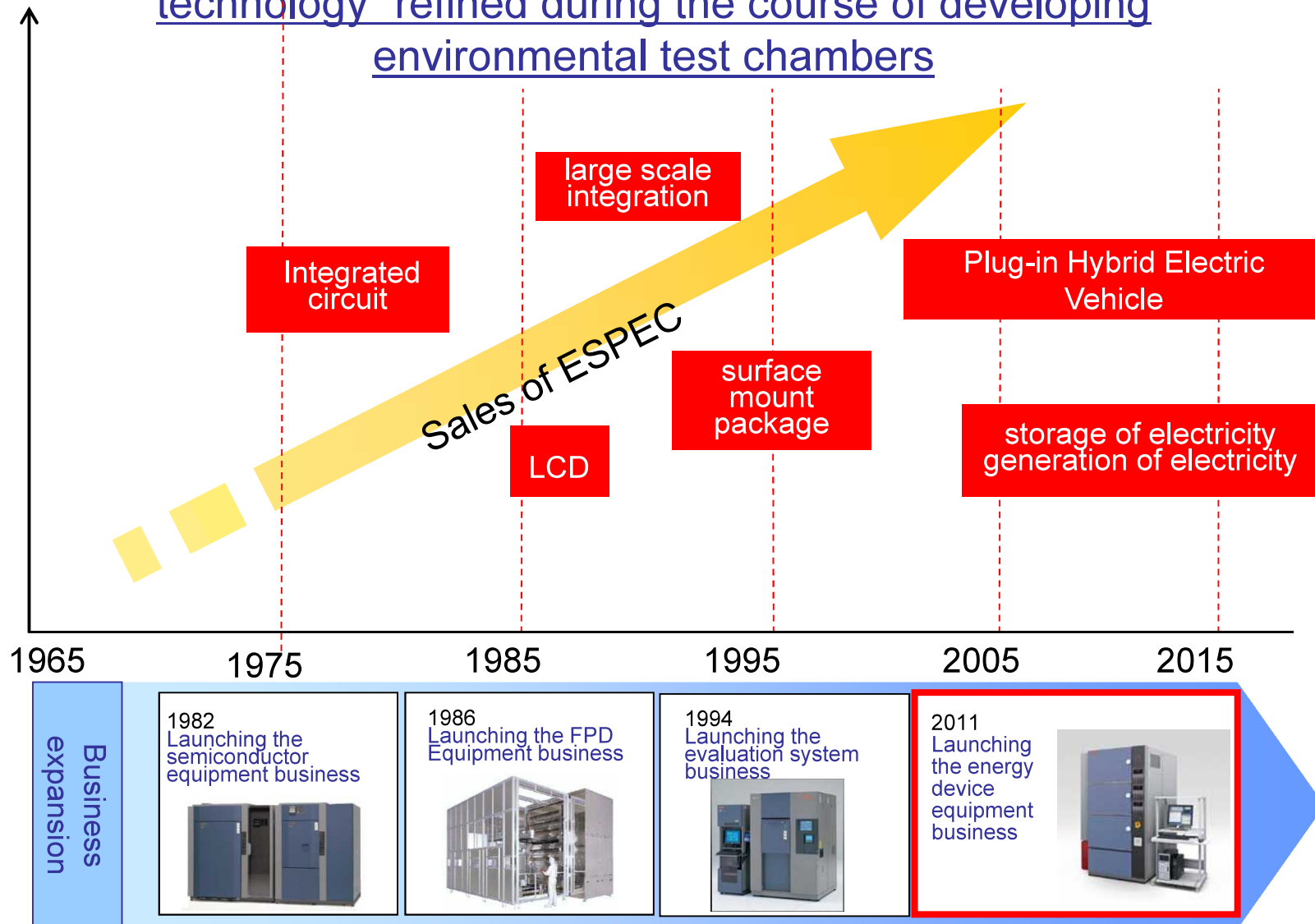
※Our presumption (2011)



[NEW] Temperature & humidity chamber "Platinous J series" (2011)

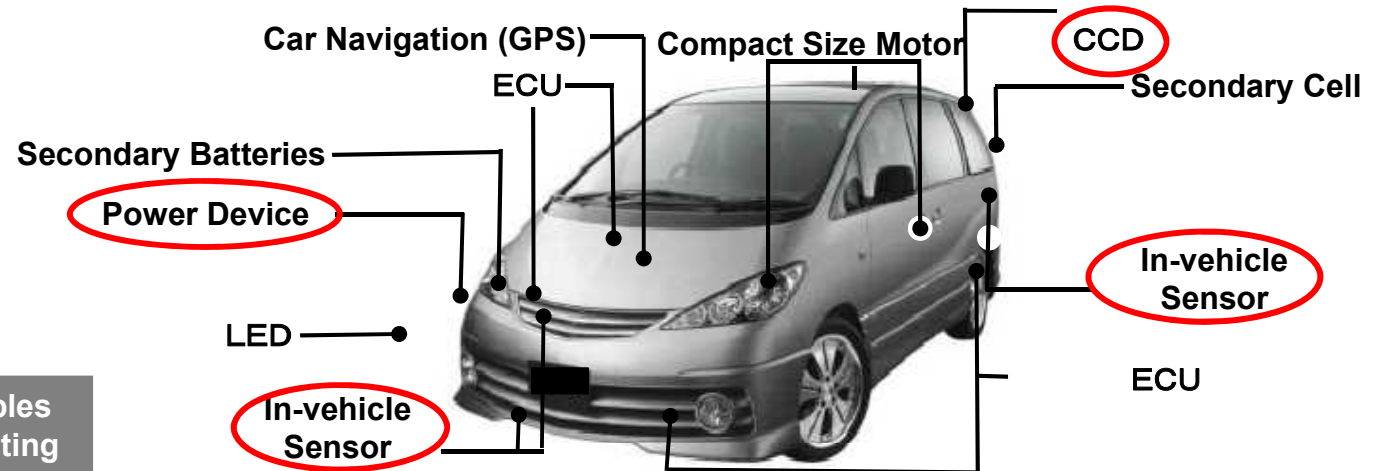
Transition in Business

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






[Equipment Business]

Usage Case with Environmental Test Chambers



Representative Examples for Environmental Testing

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

[Equipment Business] Introduction of New Products

Release Date	Name of product	Features
2012/12	Advanced Battery Tester Enhance the product lineup	<ul style="list-style-type: none"> • Charge-discharge evaluation systems for Secondary batteries • Increasing test processing volume and test current
2012/5	Vacuum Oven	<ul style="list-style-type: none"> • Saving energy up to 40% • Ease of customization
2012/5	Stability test chamber	<ul style="list-style-type: none"> • (First in the industry) $\pm 2^{\circ} \text{C} \pm 5\%$ guarantee for the temperature/humidity settings
2012/3	Temperature (& Humidity) Chamber Platinous J Series Addition of 6 type	<ul style="list-style-type: none"> • Full lineup
2011/11	Thermal Shock Chamber TSA Series EH Type	<ul style="list-style-type: none"> • Saving energy up to 50% • Increasing the reliability of refrigeration circuits
2011/10	Temperature (& Humidity) Chamber Platinous J Series	<ul style="list-style-type: none"> • Saving energy up to 70% • Ease of customization • Extensibility of functions (e.g., telecommunications networks)
2010/11	Walk in Type Temperature (& Humidity) Chamber E Series	<ul style="list-style-type: none"> • Saving energy up to 60%
2010/9	Thermal Shock Chamber TSA Series E Type	<ul style="list-style-type: none"> • Saving energy up to 37%

Main 3
Products

[Equipment Business] TOPICS

The Platinum J series temperature (& humidity) chambers won the 33rd Superior Energy Conserving Machinery Award, following the Good Design Award 2012!

The J series won the Japan Machinery Federation's President Award for Superior Energy Conserving Machinery Award at the 33rd Awards Ceremony, following the Good Design Award 2012.

The J series was highly evaluated for its various environmental features, including energy conservation, CFC-free design, and low-noise and low-vibration capability.



Superior Energy Conserving Machinery

**Japan Machinery Federation's
President Award**

Fiscal year 2012,
Japan Machinery Federation

* Superior Energy Conserving Machinery Award

Organized by the Japan Machinery Federation, this annual event has been held since fiscal year 1980.

[Equipment Business]

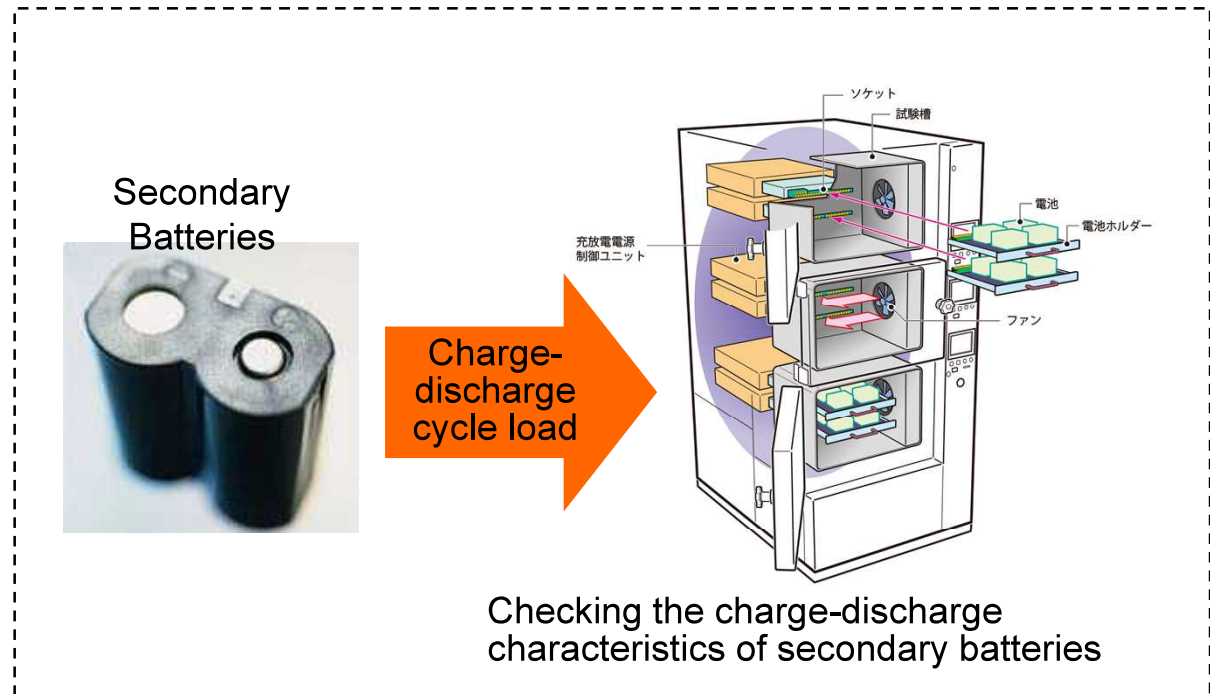
Usage Case with Energy Device Equipment

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)



Charge-discharge Cycle Evaluation Equipment



Checking the charge-discharge characteristics of secondary batteries

Evaluating the performance and life of secondary batteries

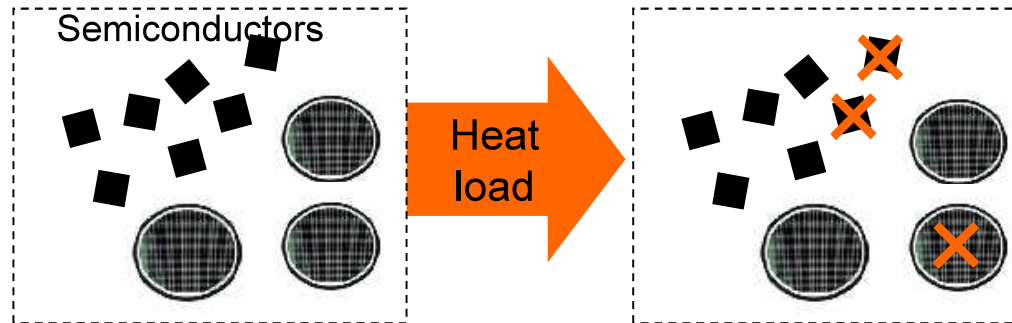
[Equipment Business] Usage Case with Semiconductor Equipment

Screening

Used for inspection in the manufacture of semiconductor devices to ensure product reliability suitable for mass production



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

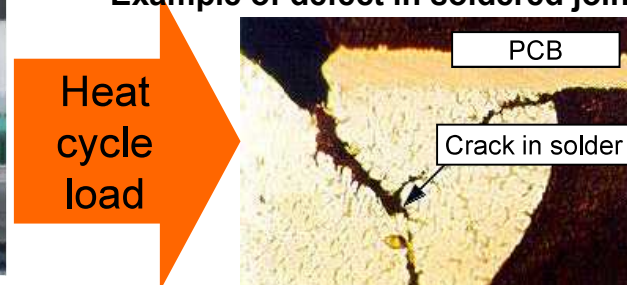


Conductor resistance evaluation system

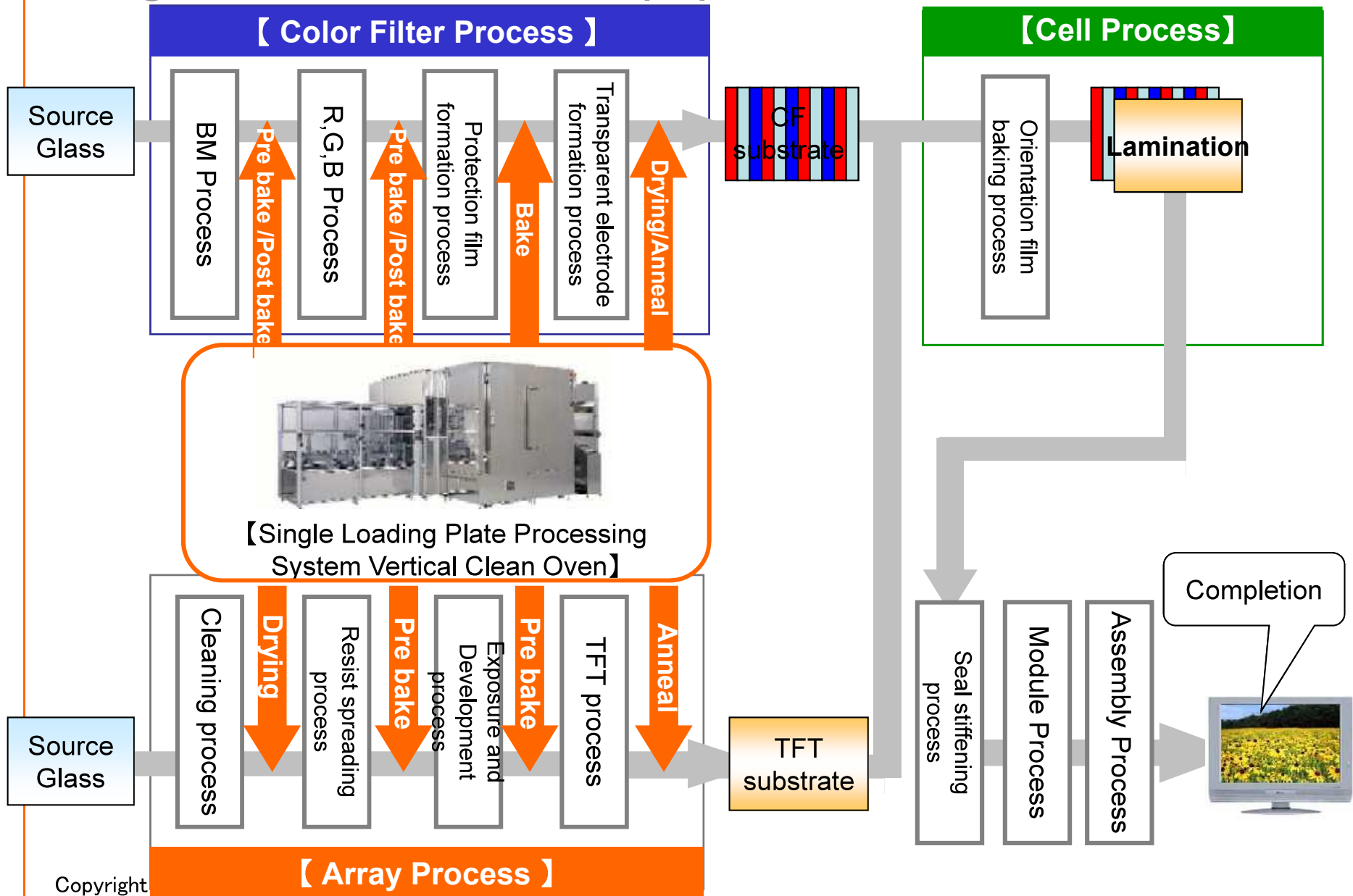


Electrical evaluation of reliability of joints in electronic parts

Example of defect in soldered joint



Equipment Business Usage Case with FPD Equipment



[Service Business]

After-sales Service and Engineering

Preventive maintenance of products, maintenance service, and the upgrading/improvement and installation/relocation of products

- Speedy response via one of the most extensive networks in Japan
- Launching new services by utilizing the network function mounted in the equipment
- Extending support through a full-fledged global framework, with distributors located in many countries

Commissioned Tests and Facility Rentals

Commissioning of testing, analysis, and evaluation; consulting; equipment rental; sales of used products; calibration of test equipment, etc.

- Meeting new test needs whenever they arise
 - Introducing equipment to meet emerging needs such as charge-discharge tests for secondary batteries
 - Reinforcing the Utsunomiya Test Center, as the exclusive test center for secondary batteries.
 - Introducing new products (e.g., energy-saving models) on an ongoing basis
- The company has four commissioned test centers in Japan (Utsunomiya, Toyota, Kariya and Kobe).
 - These centers are IECQ-approved independent testing laboratories that meet ISO/IEC17025 standards.
 - The centers are also recognized as official calibration facilities under the Japan Calibration Service System (JCSS).



【Commissioned test center in Kobe】

[Other Business]

Environmental Engineering Business

Environmental Engineering Business

■ Reforestation (Tree planting)

Recovery of local forest by selecting species and planting out seedlings using potential natural vegetation data.



■ Waterfront biotope restoration

Reconstruction of natural environment, development of vegetative revetments, and water quality improvement using aquatic plants.



■ Urban greening

Provision of roof and wall greening systems that use moss to effectively alleviate heat island effect.

“Imperata cylindrica mat” developed by ESPEC MIC CORP. won the Special Jury Award of the 8th Eco-Products Awards* organized by the Eco-Products Awards Steering Committee!

* Established in 2004 to widely disseminate information regarding products and services (eco-products) for reducing environmental impact and to further popularize eco-products



[Other Business] TOPICS

Toward the reconstruction of areas affected by the earthquake
Plant growth facilities in Kawauchi Highland,
Kawauchi Village, Fukushima Prefecture

ESPEC MIC CORP. undertook the construction of plant growth facilities planned in Kawauchi Village, Fukushima Prefecture.

The facilities were completed in March 2013.

Plant growth facilities (100% artificial lighting type) that are among the largest in the world:



Appearance



Grow room using LED lighting