



Creating True Value

Quest for the essence

The technology you depend on depends on Advantest.

Creating True Value



#### Corporate Mission

### Technology Support on the Leading Edge

We will continuously improve ourselves so that we can offer technology, products and services that will satisfy our customers worldwide, while contributing to the development of society through development of the most advanced technology.

#### Corporate Mantra

### Quest for the Essence

Advantest applies the stringent standards of Japanese craftsmanship to the technological frontiers of manufacturing.

#### Message from the President

**“Contributing to the creation of a better society with measurement technologies”**  
This principle underlies Advantest’s drive to take our ultra-reliable, ultra-precise technologies into new fields.



**Haruo Matsuno,**  
Representative Director,  
President & CEO  
ADVANTEST CORPORATION

#### Securing our dominant position in the semiconductor test equipment industry

The development of society is supported by progress in technology; progress in technology is supported by accurate measurement technologies. Guided by our corporate mission of “Technology Support on the Leading Edge,” Advantest boasts an almost sixty-year record of developing cutting-edge measurement technologies. We currently hold the leading share of the global semiconductor test equipment market. Going forward, we will continue to anticipate technological and market trends to provide the most competitive solutions in the field. We are additionally developing new businesses with the aim of securing our dominant No. 1 position in the semiconductor test equipment industry.

#### Expansion into new business sectors

Advantest’s field of business is not limited to semiconductor test. The measurement technologies we have amassed over the decades have diverse applications in an expanding array of markets. For instance, Advantest’s ground-breaking non-destructive terahertz wave imaging and analysis systems are generating excitement in the pharmaceutical, automotive and construction equipment industries. We have also entered the electronic component market with the commercialization of a compact, low-drive power MEMS relay for high-frequency components used in smartphones and similar products. Additionally, we expect our technologies to contribute across other sectors including healthcare and energy.

#### A corporate culture privileging innovation

Our new corporate initiative, ACT2014, launched in April 2014, promotes the cultural transformation of Advantest with a view toward the creation of new businesses. Our management perspective intentionally privileges innovation in products, business processes, services and business models. This innovative energy provides Advantest with an internal growth driver.

Measurement is the cornerstone of all technology. While maintaining our cornerstone role in the future, we will draw on our corporate spirit of challenge to make breakthroughs in new areas. Better technology creates a better society. This is the conviction that drives Advantest to create superlative corporate value.

# Advantest Global Teamwork

One of the greatest strengths of Advantest is global teamwork. Our R&D, manufacturing and support divisions worldwide work together to meet the needs of our customers with a holistic perspective focused on fast-changing business demands.



## R&D

**Taking up the challenge of leading-edge R&D by anticipating the future of technology**

Our R&D division is responsible for providing leading-edge technology in the business environments of our customers where technology is evolving every day. Research centers in Japan, America, Germany, and China enable us to rapidly develop products that meet the varied needs of our customers all over the world. Furthermore, our R&D division monitors trends in markets and technologies and actively engages in the development of fundamental technologies for the future.



## Manufacturing

**Delivering new technologies and products worldwide, even faster, even more reliably**

The mission of our manufacturing division is to provide a stable supply of high-quality products quickly and efficiently. This division implements various initiatives in conjunction with various other divisions, such as the R&D division. These initiatives include selecting high-quality, reliably procurable parts and improving assembly flow efficiency. In addition, production bases have been expanded to Japan, Malaysia, South Korea, the U.S., Taiwan and China, giving our manufacturing division a structure that can constantly adapt to the needs of our customers.



## Sales / SE / FSE\*

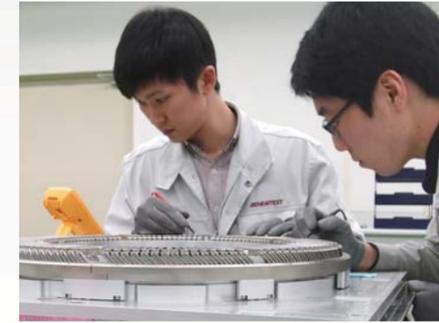
**A true partner offering total support for customer processes**

With sales and service centers in 18 countries around the world, Advantest reliably meets the needs of the semiconductor industry, where lateral specialization of design, manufacturing and inspection is proceeding on a global scale. Our sales staff comes up with optimal solutions by listening to our customers; our SEs give form to these solutions and follow up by helping customers to apply them; and our FSEs watch over the stable operation of customer systems 24 hours a day. Together we offer total support to the globally expanding supply chains of our customers.

\*SE: System Engineer.FSE: Field Service Engineer

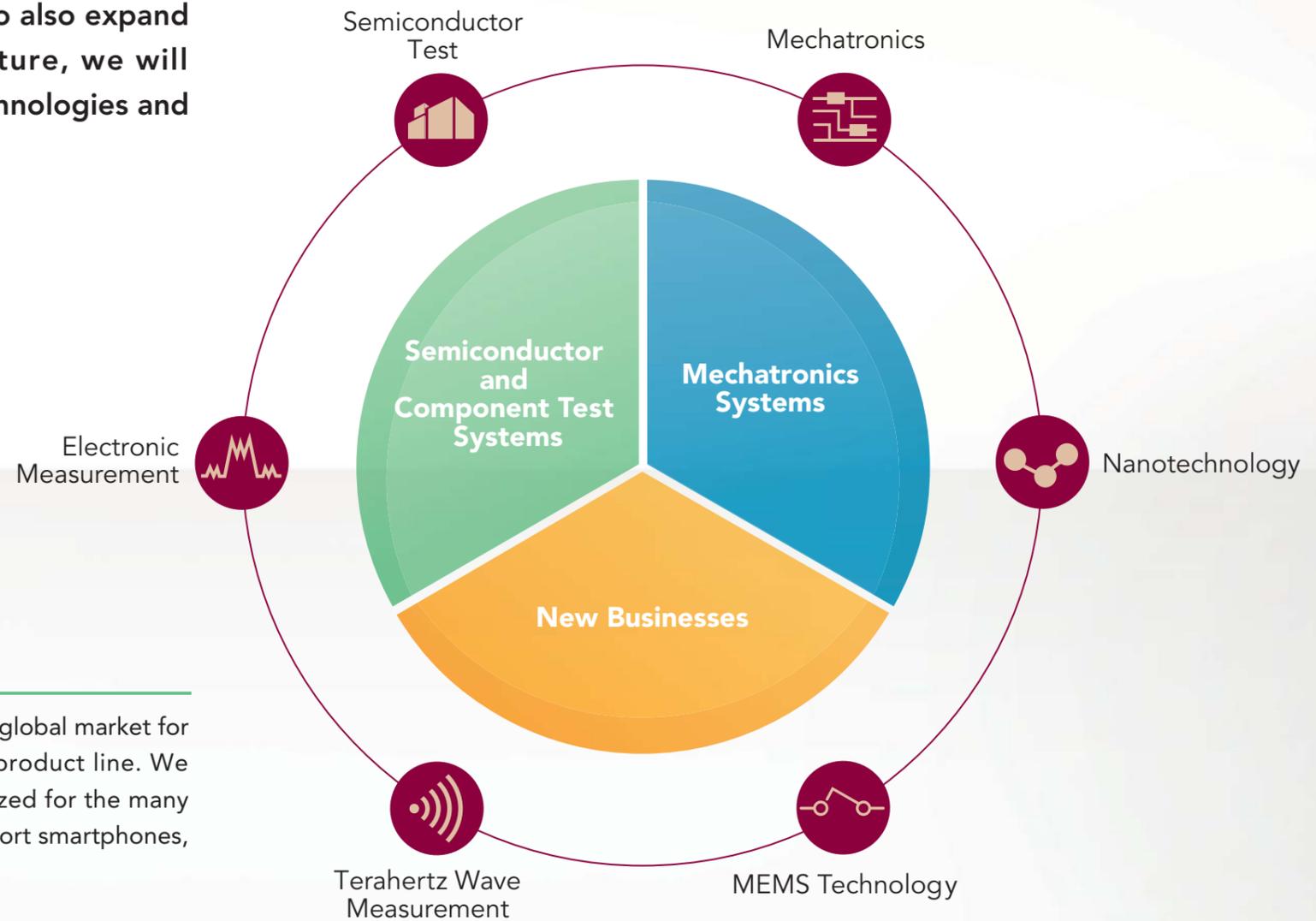
# Refining measurement technologies, delivering true value

For almost sixty years, Advantest has supported technological innovation in electronics by providing leading edge measurement technologies. More recently, we have taken advantage of the technologies and expertise we have accumulated over many years to further innovate and to also expand our field of activities into new business areas. In the future, we will continue to boldly take up the challenge of leading edge technologies and deliver the true solutions that our customers seek.



## Mechatronics Systems

Our nanotechnology division provides lithography and metrology equipment, while our mechatronics division provides peripheral equipment for semiconductor test systems — integral parts of our total solutions for semiconductor development and manufacturing.



## Semiconductor and Component Test Systems

Advantest holds the leading share of the global market for semiconductor test systems, our main product line. We offer leading-edge test solutions optimized for the many diverse semiconductor devices that support smartphones, home appliances, automobiles and more.

## New Businesses

Advantest's expansion into fields including health care, automotive technology, and electronic components is driven by groundbreaking technological innovation. Our new products include terahertz spectroscopic imaging / analysis systems, MEMS, and other new technologies with the power to create new markets.





# Semiconductor and Component Test Systems

Smartphones, home appliances, automobiles, many of the products around us are powered by semiconductors. During the manufacturing process, semiconductor and component test systems check the operations of these chips one by one and determine whether they are good or faulty, ensuring that end-product manufacturers and consumers can depend on these semiconductors with total confidence. A variety of products essential to our lives are supported by the accurate testing of semiconductors. Advantest contributes to the safety and security of people's lives through leading-edge testing technology.



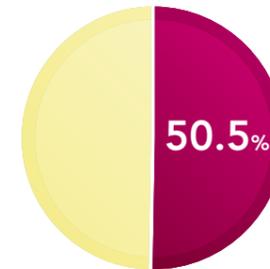
## Semiconductor Test Systems

### No. 1 in the world for both market share and customer satisfaction

Advantest achieved the number one position in semiconductor test systems in 2011 with a share of 50.5% (Source: U.S. market research firm VLSI Research). In particular, we acquired the leading share (Source: ibid. 48.6%) in the field of System on Chip (SoC) tests. This is a large market whose steady growth is expected to continue. Furthermore, we have been rated No. 1 in the world among suppliers of test equipment in a customer satisfaction survey of semiconductor manufacturing device manufacturers released by VLSI Research in May 2012. VLSI Research has also selected Advantest as one of its "Ten Best Suppliers" for 24 consecutive years. This is a recognition that we are one of the top ten firms in terms of customer satisfaction.

No. 1 market share in the world in 2011 in semiconductor test systems

※ Survey by VLSI Research



No. 1 in the world in customer satisfaction for suppliers of test equipment in 2012 according to a customer satisfaction survey

※ Survey by VLSI Research



### Product lines for diverse devices

- CPUs that support high-speed operations in personal computers and servers, etc.
- Application processors that provide an abundance of features on smartphones
- NAND flash memories that store digital camera data
- Power management ICs (PMICs), IGBTs and other power devices used in automobiles and home appliances

The development of electronics has moved in step with expansion of the types and applications of semiconductor devices. Advantest offers an extensive range of solutions that can measure a variety of different types of devices. Our SoC Test Systems T2000 and V93000 are capable of flexible reconfiguration, utilizing modules, to support diverse customer needs. In addition, our memory test systems effectively test high-speed, high-capacity memory devices.



SoC Test System T2000



SoC Test System V93000



Memory Test System T5503



# Mechatronics Systems

Semiconductor manufacturing is a complex process involving many discrete steps. Advantest supports chipmakers worldwide through mechatronics and nanotechnology. We listen closely to our customers to achieve optimal solutions, and utilize customer feedback in the development of future products. Through this virtuous cycle we build partnerships with our customers, moving forward together on the leading edge of technology.



## MVM-SEM™

Multi Vision Metrology SEM

### Real-time 3D measurement and imaging of nanoscale circuit patterns

Scanning electron microscopes perform measurement in real time and in 3D of the dimensions of nanoscale patterns on wafers, photomasks, and nanoimprint master stamps. These tools provide the high-resolution pattern analysis needed for process R&D and shorter production times.



MVM-SEM E3630

## E-Beam Lithography

### Direct etching of nano-scale circuit patterns; ideal for prototypes and high-mix low-volume production

Electron beam lithographic systems etch nanoscale patterns on silicon wafers, glass, and ceramic substrates. Unlike competing processes, EB lithography does not require photomask fabrication, enabling cost savings and ameliorating the complexity that accompanies manufacturing process shrinks. EB lithography helps to accelerate R&D, prototype production, and high-mix low-volume manufacturing of semiconductors, MEMS, and optical devices.



E-Beam Lithography F3000

## Test Handlers

### Automatic device transfer to test systems supports the optimization of semiconductor volume production

Test handlers transfer packaged semiconductors to a test system, then discard faulty devices and pass good ones. Advantest's test handlers lead the industry in parallel test and high-speed transfer capacity, enabling optimization of volume production processes. Furthermore, active thermal control technology addresses the problem of excess heat generation that arises in advanced semiconductor test, and highly accurate device positioning supports devices that are both very small and are characterized by narrow pitch.

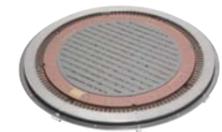


Test Handler M4841

## Device Interfaces

### Maximizing the performance of test systems to achieve high-precision device measurement

Device interfaces are electrical and mechanical components that connect semiconductor devices to test systems and handlers. They include probe cards, Hifix products, and change kits. These products help customers reduce time-to-market by supporting leading-edge technology trends such as increasing speed, miniaturization and device complexity.



Probe Card



Change kit



## New Businesses

Informed by our corporate mantra, "Quest for the Essence," Advantest is exploiting various technologies to open up new markets in areas outside the semiconductor industry. Our non-destructive terahertz spectroscopic imaging / analysis systems generate 3D images and constituent analyses of the internal structure of materials. Small MEMS relays utilize contact-point control technology developed for test systems. In addition, Advantest is planning a phased entry into the health care and energy sectors, where significant growth is expected in years to come.

### Terahertz Spectroscopic / Imaging Analysis Systems

#### Non-destructive 3D analysis enabled by terahertz wave technology

Advantest's terahertz spectroscopic imaging and analysis systems are ground-breaking products that perform nondestructive analysis and 3D imaging of the internal structure of various substances. Utilizing the unique characteristics of terahertz waves—safe, non-ionizing radiation propagating at frequencies between the infrared and microwave regions of the electromagnetic spectrum—our systems can examine the internal structures and chemical composition of samples, without damaging them. Importantly terahertz wave analysis does not require the destruction of samples unlike previous technologies. We have already commercialized analysis systems for pharmaceuticals, automotive catalysts, and diesel particulate filters. We also offer measurement and analysis services. The commercial applications of terahertz waves will continue to expand in the future and new analysis methods will become possible.



**Terahertz Spectroscopy / Imaging System TAS7500**

Pharmaceuticals



**3D Imaging Analysis System TAS7000**

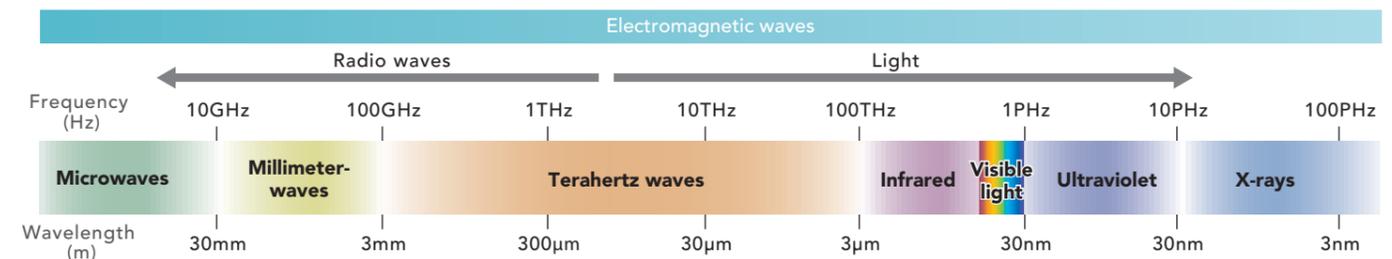
Automotive catalysts, diesel particulate filters (DPF), etc.

\*This system was commercialized in collaboration with Prof. Dr. Katsuhide Terada of Toho University.

\*This system was commercialized in collaboration with Prof. Dr. Kodo Kawase of Nagoya University.

#### Terahertz band

Located between the visible and radio frequencies, terahertz radiation possesses properties of both.



### Cross Domain Analyzer™

#### Enables measurement of the phase and amplitude of high-frequency signals with a single tool

Advantest's Cross Domain Analyzer enables the synchronous measurement of the frequency/phase/amplitude of high-frequency signals, creating a new category of measurement solutions in the field of high frequency measurement. These tools help to solve issues such as electromagnetic interference (EMI) challenges and noise in electronic systems.

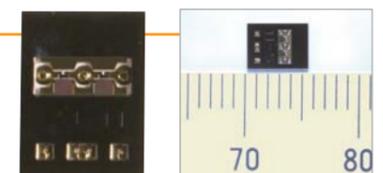


**Cross Domain Analyzer U3851**

### MEMS Relays

#### Small, low drive voltage high-frequency relays

These small (chip thickness: 0.9mm), low drive voltage (12V) piezoelectric actuation MEMS relays support high-frequency transmission up to 20HGz. They are widely used in components for high-speed communication devices and high-frequency measuring instruments.



**MEMS relay** \*millimeter scale

Advantest has a track record of commitment to environmental conservation and activities benefitting society. We are committed to the sustainable development of society and the conservation of our natural environment through proactive engagement across all our business processes. Our CSR program includes activities that support local communities, science and technology education, volunteer activities in various parts of the world, products that reduce environmental impact (e.g. energy conservation and more efficient design), and biodiversity preservation around corporate facilities.



The biotope at Advantest's Gunma R&D Center. A great diversity of plants and animals (including near-threatened species) inhabit this approximately 17,000 square meter site consisting of groves, ponds and small streams.

## Commitment to the Employment of People with Disabilities

Advantest Green Corporation, an Advantest subsidiary, actively promotes the employment of people with mental and physical disabilities. We are committed to developing a disability-friendly work environment in cooperation with local communities and government agencies by accepting trainees from special needs schools and conducting company tours for outside organizations. Advantest supports the independence of people with disabilities. For example, we hold job-specific training precisely tailored to employee skill levels, and offer etiquette classes to mentally handicapped employees which aid understanding by incorporating role-playing and skits.



An Advantest Green Corporation employee baking bread



Etiquette classes incorporate short skits

## Science Classes

We hold science workshops for children at our Gunma R&D Center, as well as special science classes at a local elementary school and seminars introducing new technologies to elementary school teachers, with the goal of helping children to better understand the excitement of making things. As a manufacturing company, we are committed to promoting opportunities for children to enjoy science and technology.



Science Craft Day (for local children): Building rockets from PET bottles

## Volunteer Activities around the World

The Advantest Group continuously works to make environmental and social contributions around the world. These efforts include forest conservation activities, beach and forest clean-ups, nature observation events at our biotope, and helping to build and repair homes for the less fortunate, as well as charity and disaster relief projects. After the Great East Japan Earthquake of March 2011, Advantest donated 10 million yen to recovery efforts, while employees travelled from as far away as Tokyo to volunteer in the disaster-struck regions.



Forest conservation in Japan



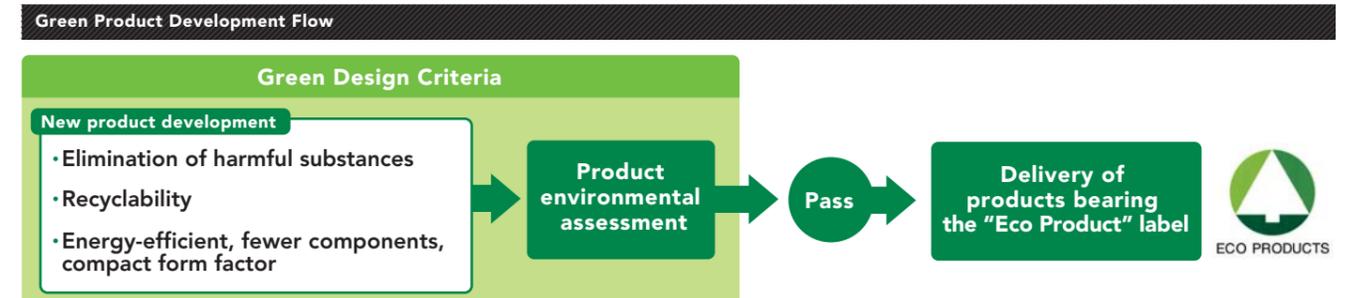
Home repair volunteers in the USA



Beach cleaning in Singapore

## Provision of Green Products

Amid growing public awareness of the importance of environmental conservation, Advantest has positioned environmentally-friendly manufacturing as a key issue. We award our "Eco Products" seal to products that have passed a stringent inspection, based on our own environmental impact assessment, indicating that harmful substances have been eliminated from their components and that they are designed for ease of recycling, as well as being compact and energy-efficient. We continuously strive to improve customer satisfaction and fulfill our corporate social responsibilities by minimizing our environmental footprint across the whole life-cycle of our products.



## Corporate Overview

Registered Name	ADVANTEST CORPORATION
Head Office	Shin Marunouchi Center Bldg., 1-6-2, Marunouchi, Chiyoda-ku, Tokyo 100-0005, Japan
Established	1954
Stock Exchange Listings	Tokyo Stock Exchange, 1st Section (Code: 6857) New York Stock Exchange (Ticker Symbol: ATE)
Capital	32,363 million yen (As of March 31, 2012)
Sales	Consolidated: 141,048 million yen (As of the fiscal year ending March 2012)
No. of Employees	4,464 (As of March 31, 2012)
Business Description	Semiconductor and Component Test System Business, Mechatronics System Business, Services, Support and Others

Website <http://www.advantest.co.jp/en-index.shtml>

## Directors & Corporate Auditors

(As of June 26, 2012)

 Chairman of the Board and Representative Director Toshio Maruyama	 Representative Director Haruo Matsuno	 Director Naoyuki Akikusa	 Director Yasushige Hagio
 Director Osamu Karatsu	 Director Shinichiro Kuroe	 Director Sae Bum Myung	 Director Hiroshi Nakamura
 Standing Corporate Auditor Yuichi Kurita	 Standing Corporate Auditor Akira Hatakeyama	 Corporate Auditor Megumi Yamamuro	 Corporate Auditor Masamichi Ogura

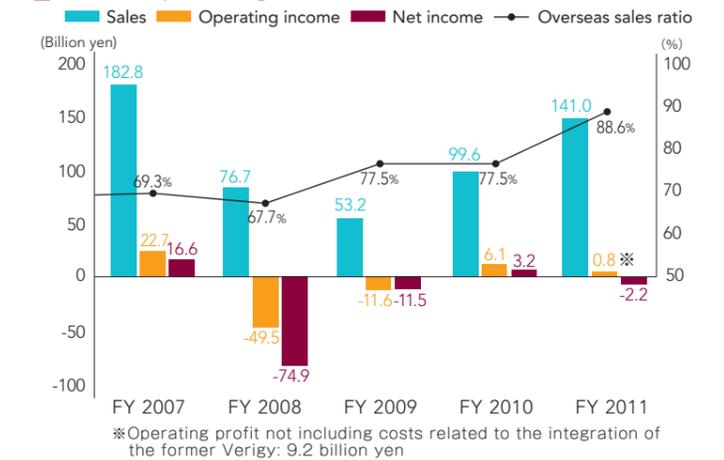
## Executive Officers

(As of June 26, 2012)

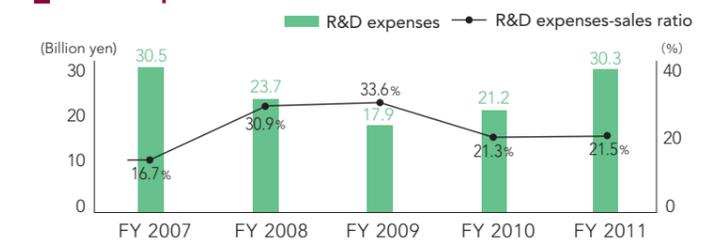
President and CEO Haruo Matsuno	Executive Officer Soichi Tsukakoshi
Managing Executive Officer Shinichiro Kuroe	Executive Officer Josef Schraetzenstaller
Managing Executive Officer Sae Bum Myung	Executive Officer R. Keith Lee
Managing Executive Officer Hiroshi Nakamura	Executive Officer Makoto Nakahara
Managing Executive Officer Yoshiaki Yoshida	Executive Officer Toshiyuki Okayasu
Managing Executive Officer Masao Shimizu	Executive Officer Hans-Juergen Wagner
Managing Executive Officer Hideaki Imada	Executive Officer Yih-Neng Lee
Executive Officer Yasuhiro Kawata	Executive Officer CH Wu
Executive Officer Takashi Sugiura	Executive Officer Kazuhiro Yamashita
Executive Officer Takashi Sekino	Executive Officer Kenji Sato

## Financial Data

### Sales/Operating income/Net Income (Consolidated)



### R&D Expenses (Consolidated)

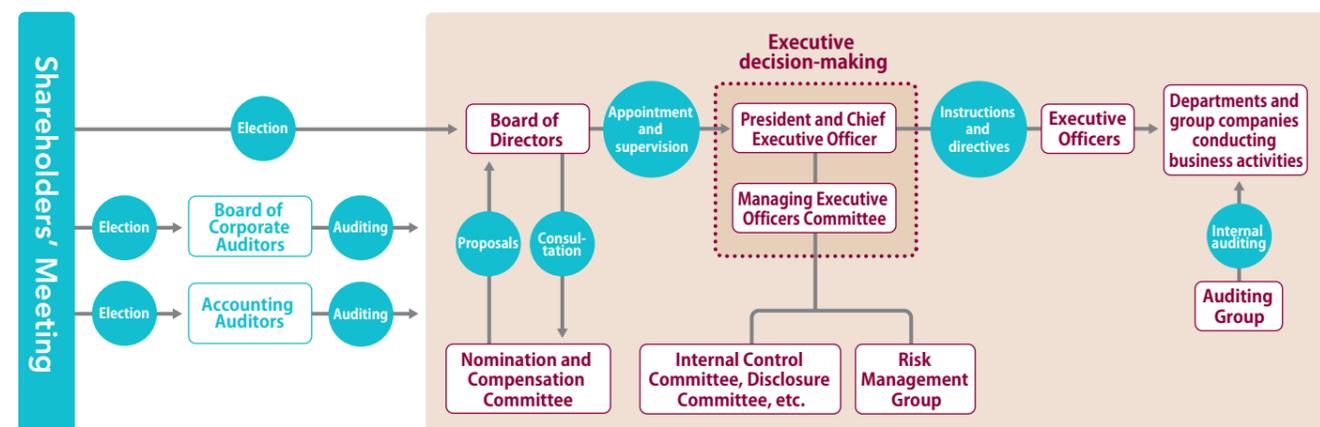


## Corporate Governance

The basis of Advantest's corporate governance is our drive to increase operational transparency, achieve sustainable growth, and increase our corporate value via an optimal management structure. We are focused on building a highly efficient business on a global scale, honing our competitive edge, and keeping pace with our rapidly changing environment.

### The Advantest Approach to Corporate Governance

We aim to increase operational transparency, achieve sustainable growth, and increase our corporate value in line with the basic management principles set forth in The ADVANTEST Way and the Advantest Code of Conduct, a set of rules and standards of behavior that all executives and employees must observe. We clearly separate decision-making and supervising functions from executive functions, enhancing management efficiency and transparency.



## Management Structure

The global business environment is changing more rapidly than ever before. To continuously increase our corporate value and competitiveness in today's world, we emphasize speedy decision-making and execution. We also place an emphasis on sound, highly transparent business operations in compliance with laws and regulations. In order to meet these challenges, we draw clear lines of authority within our organization and set responsibilities in accordance with each management function, assigning each role to the best person for the job. Advantest utilizes a corporate audit system built around the Board of Directors and Board of Corporate Auditors. We have also introduced an executive officer system in order to improve our response times and enhance corporate governance.

## Internal Auditing

Advantest's Auditing Group annually conducts an internal audit of the risk and operational control of each group company to ensure compliance with relevant laws and regulations. As a listed company on the New York Stock Exchange, Advantest is required to comply with the US Sarbanes-Oxley (SOX) Act. We therefore utilize the COSO framework\*1 and the control self-assessment technique\*2 to ensure that the operational processes of each division exceed the standards required. In recognition of the indispensability of these efforts in boosting the transparency of our business activities and building a positive corporate culture, we work hard to address each and every problem discovered during an internal audit.

#### \*1 COSO Framework

This is a framework for internal control proposed by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in 1992. In order to ensure – largely for the benefit of shareholders – that internal control is performed systematically over the activities of the manager and all other personnel, internal control is defined as having three objectives: (1) Effectiveness and efficiency of operations, (2) reliability of financial reporting and (3) compliance with applicable laws and regulations, as well as consisting of five components: (1) Control environment, (2) risk assessment, (3) control activities, (4) information and communication and (5) monitoring. These components are considered to be the standard elements by which to measure the effectiveness of internal control.

#### \*2 Control Self-assessment (CSA)

An internal control method that allows executives and managers directly involved in businesses of the entity to assess the effectiveness of the entity's control processes and risk management. With this technique, it is expected that risks can be identified, and control activities can be assessed and improved effectively and efficiently.

# Global Network

Advantest's business operations are borderless. With facilities in 18 countries around the globe, we promptly respond to the needs of our customers and their worldwide supply chains.



## 1 Head Office

Shin-Marunouchi Center Bldg.,  
1-6-2 Marunouchi, Chiyoda-ku,  
Tokyo 100-0005  
TEL: +81-3-3214-7500



## 2 Nerima Office (Registered Office)

1-32-1 Asahi-Cho, Nerima-ku,  
Tokyo 179-0071  
TEL: +81-3-3930-4111



## 3 Western Japan Office

3-34-1 Tarumi-cho, Suita-shi,  
Osaka 564-0062  
TEL: +81-6-6190-6386



## 4 Western Tokyo Office

9-1 Takakura-cho, Hachioji-shi,  
Tokyo 192-0033  
TEL: +81-42-631-8222



## 5 Gunma R&D Center

336-1 Ohwa, Meiwa-machi  
Ora-gun, Gunma 370-0718  
TEL: +81-276-70-3300



## 6 Saitama R&D Center

1-5 Shin-tone, Kazo-shi,  
Saitama 349-1158  
TEL: +81-480-72-6300



## 7 Kitakyushu R&D Center

1-5-1 Higashida, Yahatahigashi-ku,  
Kitakyushu-shi, Fukuoka 805-0071  
TEL: +81-93-681-0900



## 8 Advantest Laboratories Ltd. / Sendai Factory

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(Advantest Laboratories Ltd.)  
TEL: +81-22-392-9711  
(Sendai Factory)



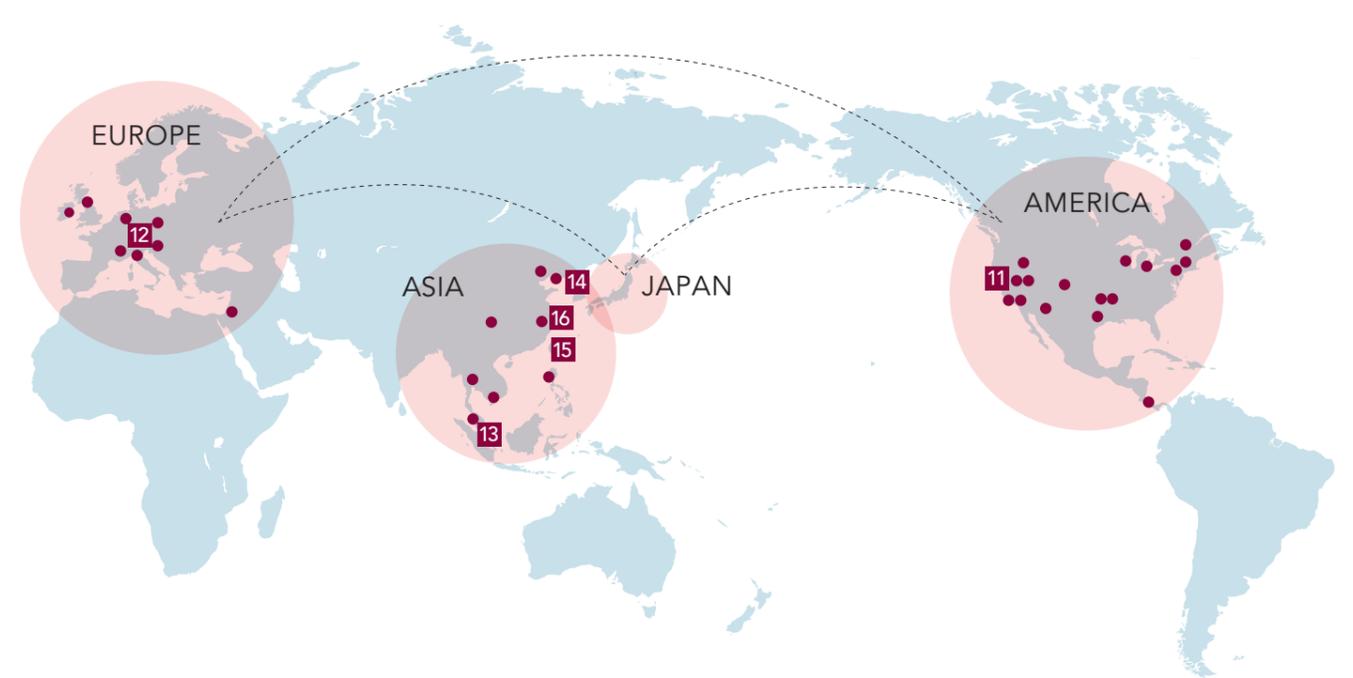
## 9 Gunma Factory

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## 10 Gunma Factory 2

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## 11 Advantest America, Inc.

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TEL: +1-408-456-3600



## 12 Advantest Europe GmbH

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81929 Munich, Germany  
TEL: +49-89-99312-0



## 13 Advantest (Singapore) Pte. Ltd.

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TEL: +65-6755-2033



## 15 Advantest Taiwan Inc.

No.1, Alley 17, Lane 62, Zhonghe St., Zhubei City, HsinChu County 30267, Taiwan (R.O.C.) (Until October 2012)  
No.15, Guangfu Rd., Hsinchu Industrial Park, Hukou Township, Hsinchu County 30351, Taiwan (R.O.C.) (From November 2012)  
TEL: +886-3-5532111



## 16 Advantest (China) Co., Ltd.

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TEL: +86-21-6163-2600



## 14 Advantest Korea Co., Ltd.

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