

Technology Support on the Leading Edge

ADVANTEST[®]

Corporate Report



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.

Advantest's commitment to support societal gains through advanced measurement technologies is powered by our future-forward emphasis on sustainability and growth.

Since our founding in 1954, Advantest has provided measurement technologies to the electronics industry and a wide range of related fields. Our corporate mission to “Support Technology on the Leading Edge” expresses our commitment to providing our customers with the solutions they require, growing together with our suppliers, and exceeding the expectations of our stakeholders. Our obsession with state-of-the-art technology has propelled us to the position of market share leader in the semiconductor test equipment industry, and earned us high marks for customer satisfaction.

Amid a rapidly changing business environment, we believe that the greatest risk is not to take risks—a conviction that has driven us to pioneer new territories. Our corporate initiative ACT2014, scheduled to conclude in FY2014, sets medium-term targets of ¥250 billion in sales, an operating profit margin of greater than 20%, and a total share of more than 50% of the overall test system and handler market. ACT2014 also emphasizes the expansion of our new businesses as a key growth driver. In addition to our line of terahertz spectroscopic imaging analysis systems, we have also launched CloudTesting™ Service—an on-demand semiconductor test service—high-frequency MEMS relays utilizing piezoelectric actuation, and numerous other groundbreaking products and technologies. We will continue to leverage our amassed proprietary technologies in diverse new fields from energy to health care, ensuring our long-term, sustainable growth.

Measurement technologies are the cornerstone of quality guarantees in every field of endeavor. Advantest cherishes the trust of the stakeholders who depend on us, and we will continue in the future to earn your trust by sustaining our leading position in measurement technologies. Through innovation, we strive to contribute to the peaceful and secure flourishing of society.



Haruo Matsuno,
Representative Director, President & CEO
ADVANTEST CORPORATION

Refining Measurement Technologies, Delivering True Value

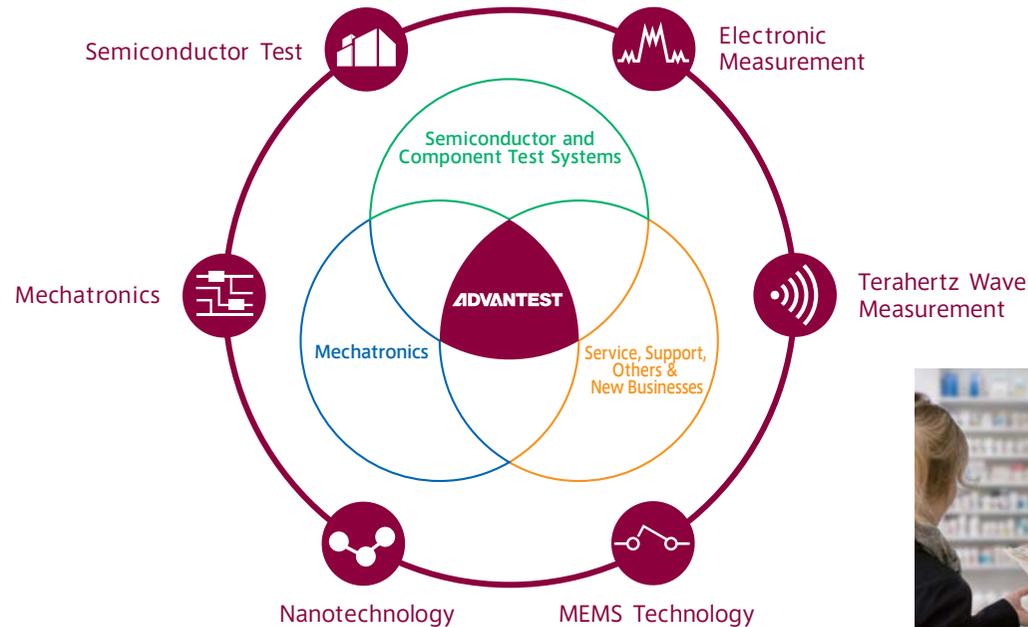
— Advantest's Business Fields —

At Advantest, we deploy the technologies we have amassed over the years in an extensive range of fields to deliver the real solutions that our customers demand. We are active in fields ranging from semiconductor R&D and production to high-functionality electronic components, pharmaceutical analysis, and more.



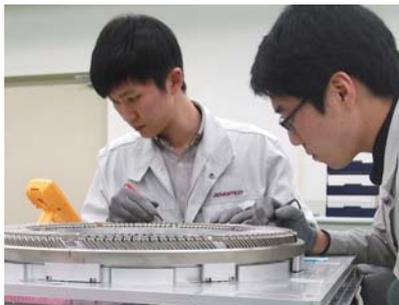
Semiconductor and Component Test Systems

Advantest's flagship product line. We are the global market share leader in test systems, which ensure the reliability of electronics including smartphones, computers, and auto electronics by testing the semiconductors used in them, enabling manufacturers to discard faulty devices.



Support, Services, Others & New Businesses

This category includes test handlers and device interface products used together with test systems. Advantest also supplies pattern inspection and etching tools that utilize nanotechnology, supporting the semiconductor manufacturing process from end to end.



Mechanics Systems

This category includes test handlers and device interface products used together with test systems. Advantest also supplies pattern inspection and etching tools that utilize nanotechnology, supporting the semiconductor R&D and manufacturing process from top to bottom.

SoC Test Systems

Advantest's SoC test systems support diverse semiconductor devices ranging from the applications processors and image sensor ICs used in smartphones, to CPUs that power computers and servers, and power management ICs for domestic appliances and auto electronics. Our scalable, modular T2000 and V93000 platforms, and dedicated test systems like the T6373 for LCD driver IC test, anchor a lineup that provides optimal solutions for diverse semiconductor manufacturing needs.



T2000



V93000



T6373



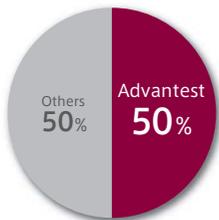
T5503

Memory Test Systems

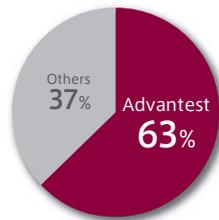
Dedicated systems such as our T5503 test the memory devices used in smartphones, computers, and other electronics. Keeping pace with the development of higher-speed, higher-capacity memory, Advantest's memory test systems contribute to reducing production costs by providing industry-leading test efficiency and accuracy.

Global Market Share Leader

Advantest is the global market share leader in both SoC test systems and memory test systems. (Source : Prime Research Group, 2012)



SoC Test System Market Share



Memory Test System Market Share

Trusted By Customers For a Quarter-Century

In May 2013, Advantest was named for the 25th consecutive year to American market research firm VLSIresearch's list of the 10 BEST suppliers of semiconductor production equipment, based on the firm's highly regarded customer satisfaction survey.



Test Handlers

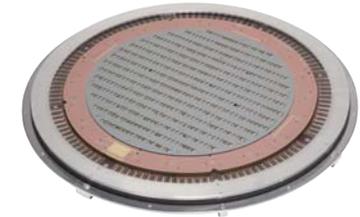
Test handlers such as our M4841 transfer packaged semiconductors in large batches to a test system, then discard faulty devices and pass good ones. Featuring highly accurate thermal control technology and industry-leading vision alignment, Advantest's test handlers boost throughput and lower the costs of semiconductor volume production.



M4841

Device Interfaces

DI products are electrical and mechanical components that connect semiconductor devices to test systems. They include probe cards, Hifix products, and change kits. These products must precisely match the characteristics and forms of high-speed, high-capacity devices that are becoming ever more complex and diverse as semiconductors continue to shrink.



Probe Card

WAFER MVM-SEM®*

Advantest's scanning electron microscopes perform measurement in real time and in 3D of the width, height, and side wall angles of nanoscale patterns on semiconductor wafers. These tools provide the accuracy and stability needed to measure highly complex patterns at the leading edge of chip manufacturing.

*MVM-SEM is either a registered trademark or a trademark of Advantest Corporation in Japan, the United States and other countries.



E3310 WAFER MVM-SEM®

EB Lithography Systems

Systems such as our F7000 use electron beams to etch advanced nanoscale patterns as fine as 1Xnm. EB lithography supports high-mix low-volume production and prototype manufacturing of semiconductor wafers, silicon photonics, and nanoimprint templates, among other applications, helping to optimize costs and development times.



F7000 EB Lithography System

Terahertz Spectroscopic / Imaging Analysis Systems

Our high-speed, multifunctional terahertz analysis systems perform spectroscopy and imaging by utilizing terahertz waves. Featuring easy operation and high-speed analysis, these systems enable non-destructive analysis of pharmaceuticals, chemical samples, materials for advanced communications, and other substances.



TAS7500 Series of Terahertz Spectroscopic Imaging Systems

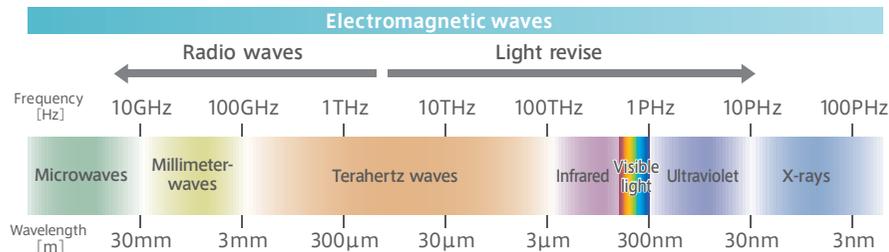
Cross Domain Analyzer™

These electronic measuring instruments enable measurement of the phase and amplitude of high-frequency signals with a single tool. Advantest's cross domain analyzers represent a new category of measurement instruments for high-frequency applications including the resolution of electromagnetic interference (EMI) in electronic systems, and calibration of plasma equipment and accelerators.



U3851 Cross Domain Analyzer

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

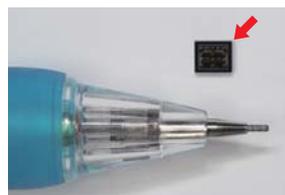


New Concept Product Development

In addition to our flagship R&D programs, Advantest operates an incubator for "in-house startups." Our new businesses include a photoacoustic imaging system powered by proprietary optical technology, and a wireless power transfer protocol capable of charging devices at a distance. Aggressively expanding into arenas beyond our existing fields of operation, our new concept product development program is positioning Advantest for medium-and long-term growth.

MEMS* Components

MEMS (Micro Electro Mechanical Systems) technology powers these electronic components, available only from Advantest. Our super-compact, broadband, energy-efficient, highly reliable, and environment-resistant MEMS relays, which utilize a proprietary piezoelectric film generation technology, are the first products in a planned line-up of electronic components that support technology on the leading edge.



MEMS Relays

* MEMS: Micro Electro Mechanical Systems



A prototype of our photoacoustic imaging system (not yet certified as a medical device)



Our wireless power transfer technology, "AirTap™"

(↑ click to learn more)

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

Meeting customer needs with a global R&D network.



Our R&D locations in Japan, the USA, Germany, and China work together to swiftly meet the diverse needs of customers worldwide. Each location has a specialty such as component technologies, system R&D, or software, enabling additive synergies that help us to deliver cutting-edge technologies and products whenever and wherever they are needed. Advantest also aggressively invests in developing new, future-oriented technologies calibrated to market and technical trends.

Production

Delivering world-class product quality, world-wide, faster than ever.



Through the optimized procurement, and kaizen improvements of our assembly process, among other measures, Advantest constantly seeks to improve productivity to ensure the rapid, stable delivery of high-quality products. Our network of manufacturing facilities in Japan, Malaysia, South Korea, the USA, Taiwan, and China enables us to respond sensitively to customer needs. In May 2013 we opened a new factory in South Korea, globally reinforcing our test handler and probe card supply structure.

Sales / SE / FSE[※]

A true partner providing total support for customer processes.



Advantest's sales and service facilities in 17 countries support global customers who may outsource their design, manufacturing, and inspection functions in separate places around the world. Our sales division forms close relationships with customers and proposes optimal solutions; our SE division develops these solutions and supports installation and implementation; and our FSE team is on call 24/7 to ensure stable operation. Only Advantest offers total customer supply chain support, on a global scale.

※SE : System Engineer FSE : Field Service Engineer

Advantest values and respects all stakeholders, and strives to coexist with society in harmony. Advantest also takes its responsibility as a member of society very seriously and engages proactively in local and regional CSR activities and in educating the next generation.

Commitment to the Employment of People with Disabilities

Advantest Green Corporation, an Advantest Group company, works in close collaboration with special-needs schools, local governments and regional organizations to provide persons with disabilities with a good work environment. These efforts include office visits and internships. Also, we hold training sessions tailored to the proficiency level of the participants, covering different job types and workplace manners, to support disabled persons gaining vocational independence.



A New Nursery School in Rural Africa

In December 2011, employees of Advantest Europe GmbH formed a private charity organization, Bee Tillo e.V., to build a nursery school in Tungina, Gambia. Thanks to their success in soliciting donations—including a significant sum from the Advantest Group—building the school facilities, arranging for the provision of teachers, textbooks and toys, and devising a teacher training program in cooperation with the local authorities, the school is scheduled to welcome its first pupils in September 2013.



Special Science Classes for Elementary School Students

To encourage children's interest in science, employees at Advantest Group companies hold special science classes for elementary school students at local schools and at Group company facilities.



Advantest aims to contribute to the sustainable development of society, taking our environment into consideration. We take part in many initiatives, from reducing the environmental burden of our products, to building facilities that are in harmony with the surrounding environment, to participating in environmental preservation programs around the world.



Advantest Biotope

The Gunma R&D Center has built a 17,000m² biotope surrounding the facility, with ponds and trees to recreate the original natural environment. The biotope is a space for many types of flora and fauna, and it's also a place for local school children to learn about the environment.

Plants and animals that call the biotope home



Gin-ichimonjiseseri butterfly
(Leptalina Unicolor)



Fujibakama flower
(Eupatorium Japonicum)



Tokyo Daruma bullfrog
(Rana Porosa Brevipoda)

Environmental Preservation Efforts Around the World

The Advantest Group holds environmental preservation efforts around the globe, including forest protection programs and clean-up campaigns for beaches, mountain path and areas near our offices.

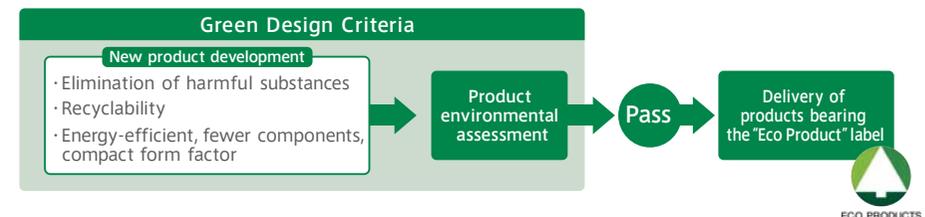


Expanding Green Product Lineup

Advantest is striving to expand our lineup of Green Products: products that have passed stringent inspection based on our environmental impact assessment, including low energy-use and ease-of-recyclability. In FY2012, 100% of the semiconductor test systems we sold met the Green Product standard.



Green Product Development Flow



Corporate Overview 1

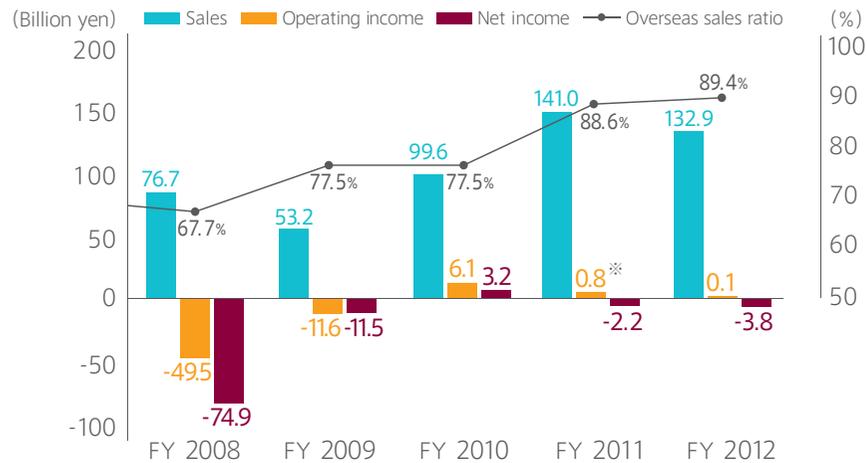
Corporate Overview

Registered Name	ADVANTEST CORPORATION
Head Office Address	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	32.4 billion yen(As of March 31, 2013)
Consolidated Sales	132.9 billion yen (As of the fiscal year ending March 2013)
No. of Employees	Consolidated: 4,575 (As of March 31, 2013)
Business Description	Semiconductor and Component Test System Business, Mechatronics System Business, Services, Support and Others

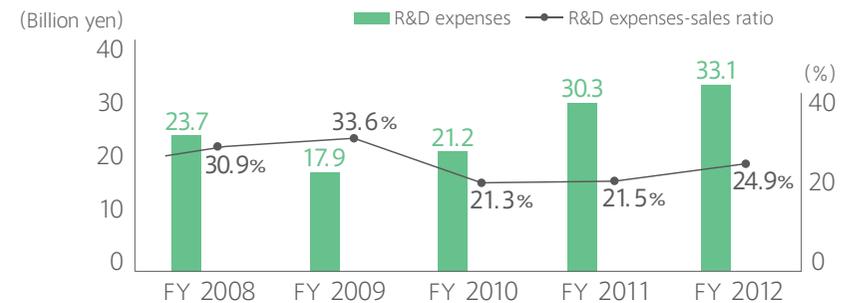
Financial Data

Sales/Operating income/Net Income(Consolidated)



*:Operating profit not including costs related to the integration of the former Verigy:9.2 billion yen

R&D Expenses (Consolidated)





Directors/Audit & Supervisory Board Member

(As of June 26, 2013)



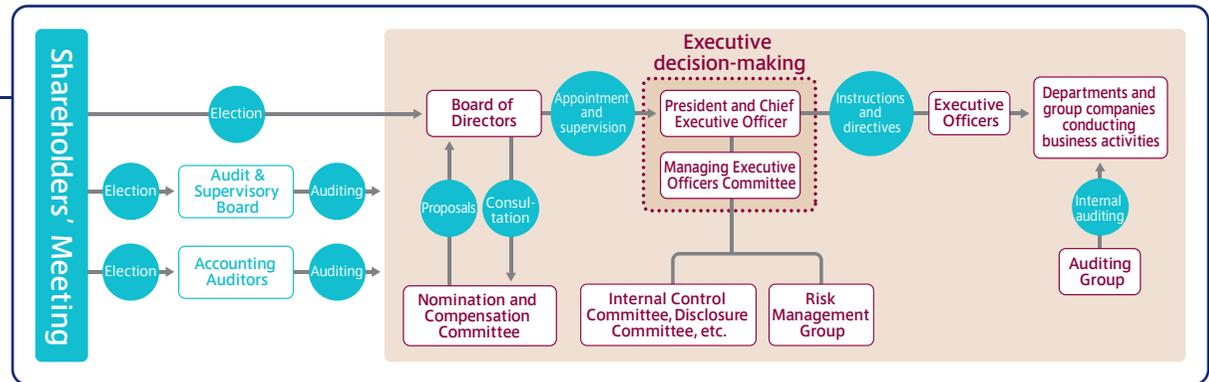
Executive Officers

(As of August 31, 2013)

President and CEO Haruo Matsuno	Executive Officer Takashi Sugiura	Executive Officer CH Wu
Corporate Vice President Shinichiro Kuroe	Executive Officer Takashi Sekino	Executive Officer Kazuhiro Yamashita
Managing Executive Officer Sae Bum Myung	Executive Officer Soichi Tsukakoshi	Executive Officer Kenji Sato
Managing Executive Officer Hiroshi Nakamura	Executive Officer Josef Schraetzenstaller	Executive Officer Takayuki Nakamura
Managing Executive Officer Yoshiaki Yoshida	Executive Officer R. Keith Lee	Executive Officer Wilhelm Radermacher
Managing Executive Officer Hideaki Imada	Executive Officer Makoto Nakahara	Executive Officer Masuhiro Yamada
Managing Executive Officer Hans-Juergen Wagner	Executive Officer Toshiyuki Okayasu	Executive Officer Satoru Nagumo

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 Audit & Supervisory Board. 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:①Effectiveness and efficiency of operations, ②reliability of financial reporting and ③compliance with applicable laws and regulations, as well as consisting of five components:①Control environment, ②risk assessment, ③control activities, ④information and communication and ⑤monitoring. 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.

Network : Japan

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

KYUHO Esaka building 7F.,
2-1-43 Esaka-cho, Suita-shi,
Osaka 564-0063
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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Sendai-shi, Miyagi 989-3124
TEL:+81-22-392-8731(Advantest Laboratories Ltd.)
TEL:+81-22-392-9711(Sendai Factory)



9 Gunma Factory

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Gunma 370-0615
TEL:+81-276-88-7500



10 Gunma Factory 2

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