

Sustainability Briefing

Advantest Corporation March 30, 2023

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Why We're Holding This Briefing

- Today, we'll be focusing on two key elements of Advantest's corporate value improvement:
 - ✓ Structural Management Reinforcement Initiatives
 - ✓ Human Capital Betterment Initiatives



Yoshiaki Yoshida Representative Director, President & Group CEO



Yasuo Mihashi Senior Executive Officer Co-CSO(Co-Chief Strategy Officer) Executive Vice President, Corporate Planning & Stakeholder Relations Group



Keith Hardwick Senior Executive Officer CHO (Chief Human Capital Officer)

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1. Advantest's Significance & Our Vision

- 1-1. What is the purpose of Advantest's existence?
- 1-2. The aims of our mid/long-term management strategy

2. Advantest's Value Creation Process

3. Human Capital Betterment Initiatives



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1. Advantest's Significance & Our Vision

Yoshiaki Yoshida Representative Director & Group CEO

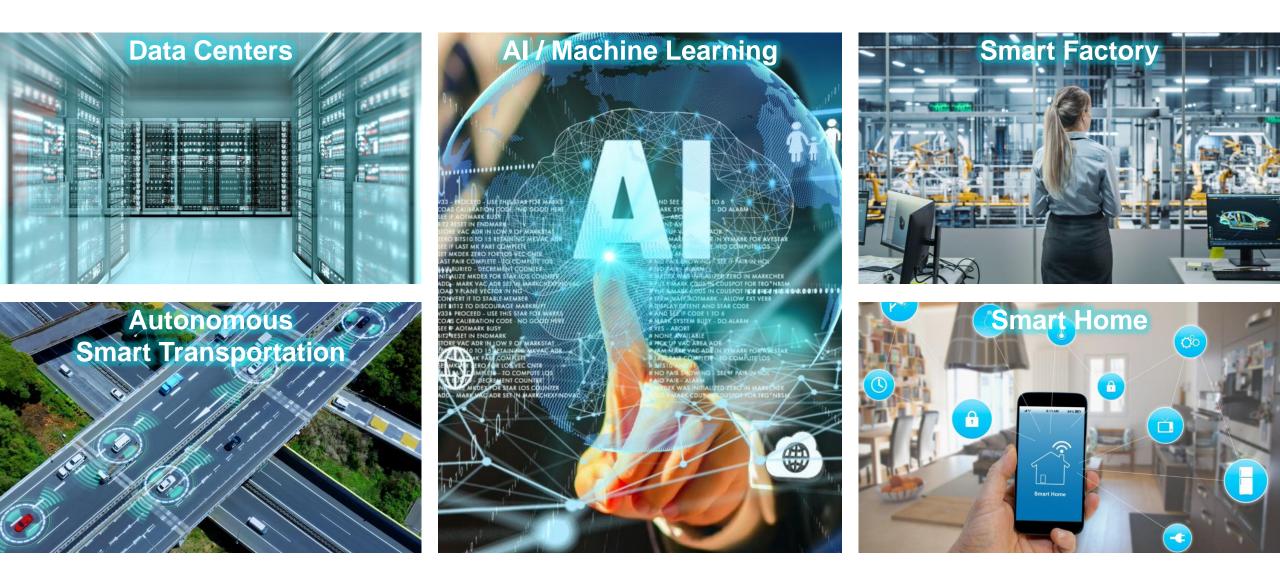
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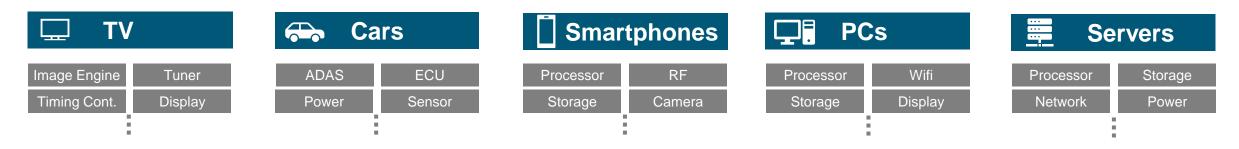
1-1. What is the purpose of Advantest's existence?

1-2. The aims of our mid/long-term management strategy

Semiconductors Support Global Safety, Security & Comfort



Why Semiconductors Need to be Tested



If defective semiconductors were used in these products...



Your TV would break



Your car wouldn't start



Your phone would crash



Your PC would freeze up



Your servers would go down

Semiconductor test is essential so that we can live safe, secure, and comfortable lives

8 **ADVANTEST**

Advantest has comprehensively expanded our technology portfolio over the years around the axis of measurement technology

1954 \sim

- Our first product was a digital ammeter
- We expanded our lineup to digital, wireless, and optical measurement products

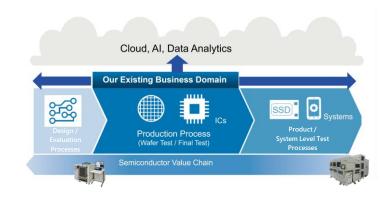


1970's \sim

- Putting together various technologies cultivated since our founding, we entered the semiconductor tester business
- Soon, we had the No 1. global market share



We have been expanding our business domains to adjacent areas while leveraging our core technologies and market presence in the semiconductor tester field



Semiconductor test adjacent areas

System level test / Data analysis using the cloud

 Mechatronics
 High-precision handling technology / Contact technology / High-precision temperature control technology

 Semiconductor testers
 High-precision timing generation technology / Massively parallel measurement technology / Data analysis technology / System integration technology / High-efficiency power supply

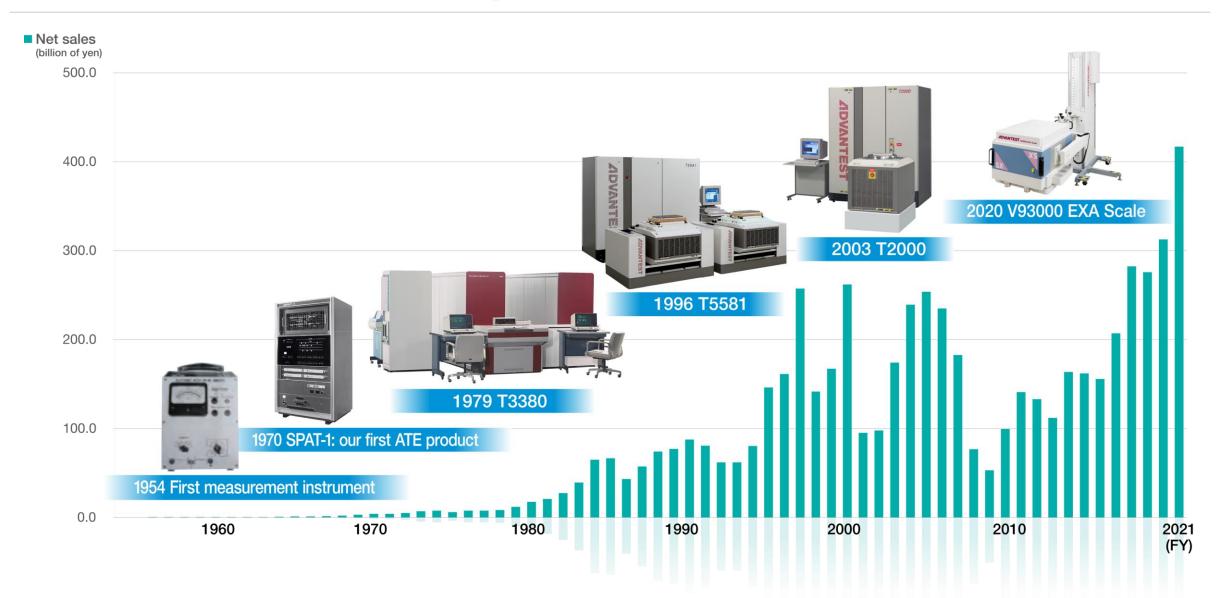
 Electronic measurement instruments
 Microcurrent/voltage measurement technology / High-speed signal processing technology / High-integration LSI design technology / Digitizer technology / Digitizer technology / Optical measurement technology

 We constantly seek to propose more comprehensive solutions-as-systems while improving the accuracy of each individual measurement technology

9 **ADVANTEST**

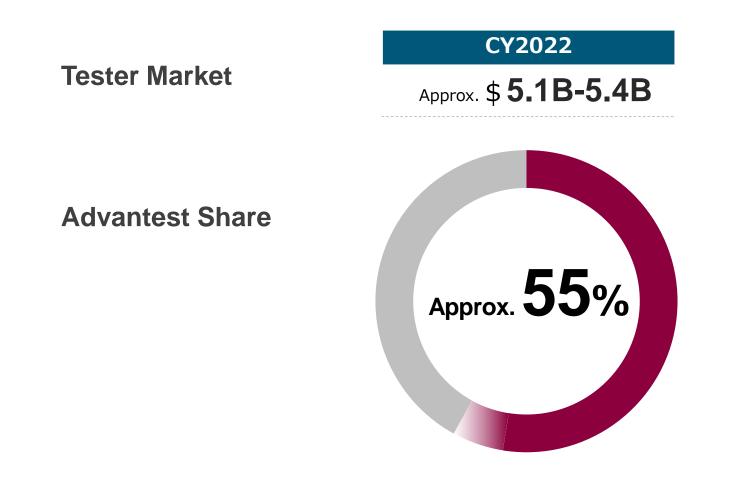
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Advantest's Sales History





Market Share Gains Have Supported Our Recent Sales Growth



* Tester market size and Advantest's share are provisional figures as of January 31, 2023, based on in-house estimates.



Purpose & Mission



Enabling Leading-Edge Technologies

We will continue to provide products and services that satisfy customers around the world by improving our company and contributing to the common good through the development of leading-edge technologies.



1-1. What is the purpose of Advantest's existence?

1-2. The aims of our mid/long-term management strategy



The Corporate Value Enhancement We Aim For: Expansion of social contributions through business growth

By balancing our activities along three axes, we enhance each activity and continuously increase future profits (cash flows)

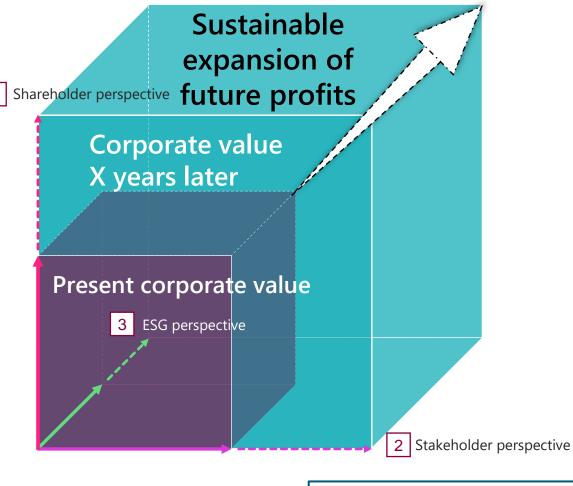
- Value from Shareholder Perspective
 - ROE - EPS
 - ROIC

Value from Stakeholder Perspective

- Increase customer value
- Partnership with supply chain
- Employee engagement through human resource development & training

Value from ESG Perspective 3

- Response to climate change
- Diversity and inclusion
- Protection and respect for human rights
- Fair trade
- Relevance to future generations







Aiming to be a Sustainable Company

In this VUCA* era, Advantest's business environment is fluid

Politics Increased geopolitical risks Economy Rising inflation and pronunced foreign exchange fluctuations Society The importance of climate change and other ESG considerations is increasing Technology

Semiconductors are evolving into solutions for diverse social issues

We are building a stronger management foundation to meet these challenges

*Volatility, Uncertainty, Complexity, Ambiguity



Commitments

- 1. Be the No.1 provider of test & measurement solutions
- 2. Partner with leading-edge customers
- 3. Develop leading-edge technologies
- 4. Attract and retain the best talent in the industry
- 5. Learning organization
- 6. Improve financial KPI and increase corporate value

Strategies ons 1 Reinforce Core Businesses, Invest Strategically 2 Seek Operational Excellence 3 Explore Value to Reach a Higher Level 4 Pioneer New Business Fields



Enhance ESG initiatives

Based on our external environment outlook, we have added a fifth strategic issue, while adhering to our existing basic policy

Contributing to humanity's sustainable future through our business activities

How We Contribute to Reducing CO2 Emissions Throughout the Semiconductor Supply Chain

Purchased

goods /

services

Capital

goods

energy-related

tion,

distribution

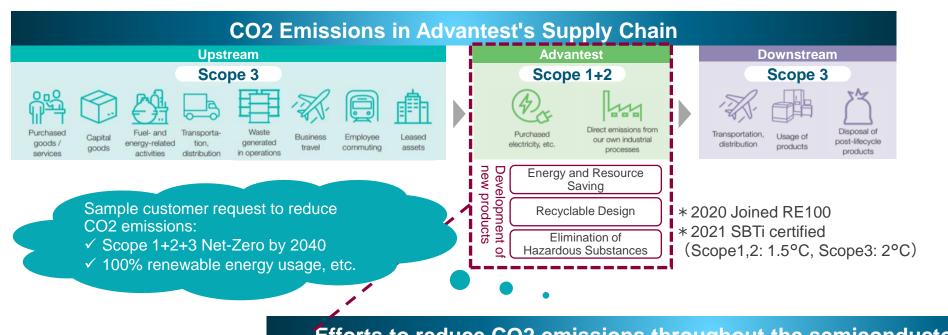


Disposal of

post-lifecycle

products

Our continuous development of products that reduce CO2 emissions per test while improving tester performance in line with the evolution of semiconductor technology is an important factor in customers' decision to choose Advantest.





Leased

Direct emissions from

our own industrial

processes

Transportation,

distribution

Usage of

products

Purchased

electricity, etc.

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commuting

Business

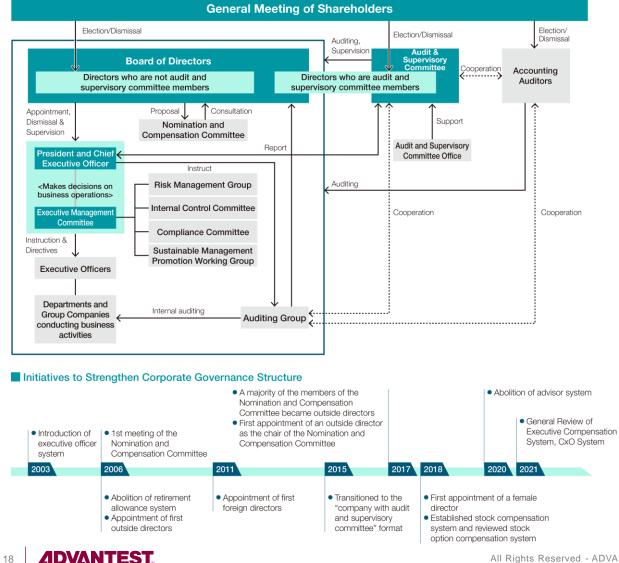
travel

generated

in operations

A Corporate Governance Structure Optimized for Corporate Value Improvement

Corporate Governance Structure



 Monitoring and advisory functions demonstrate effectiveness

G:Governance

- The Board of Directors meets monthly, and takes sufficient time for open-ended discussions
- Separate off-site meetings are held in addition to regular board meetings, where directors discuss mid/long-term issues that need further discussion

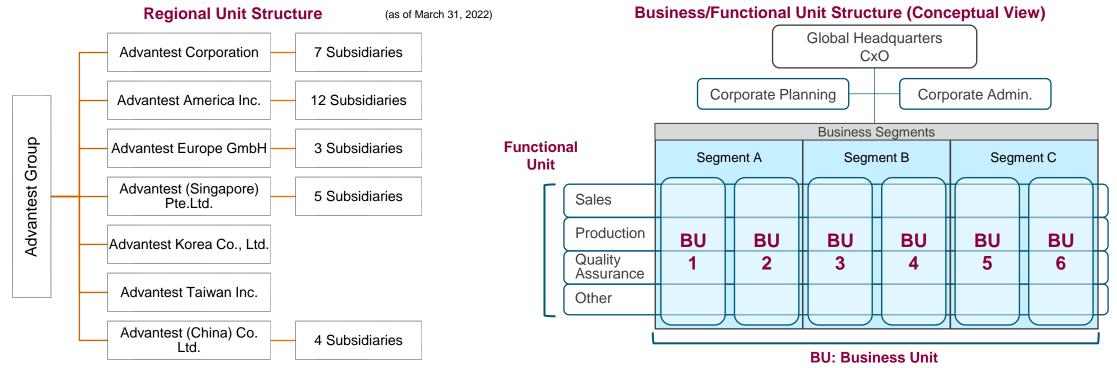
Some topics raised at BoD and offsite meetings

- Mid/Long-Term Management Policy
- Organizational structure
- Succession planning
- Executive compensation
- Human capital
- Compliance system
- Geopolitical risks

A More Sophisticated Execution System (Adoption of Unit System)

We have shifted to a three-unit system to increase operational agility.

- To ensure growth in the globally fluid semiconductor market, it is important to speed up decision-making and execution throughout the Group.
- Local personnel have been appointed as Regional Unit Leaders. In principle, they also serve as Group executive officers. The aim is to ensure unity in group management and enhance our local business execution capabilities. Currently, nearly half of our executive officers are of nationalities other than Japanese.
- We have adopted a matrix system of business units and functional units. By properly assigning responsibilities and authority, all units can directly cooperate to enable quick decision-making and execution.



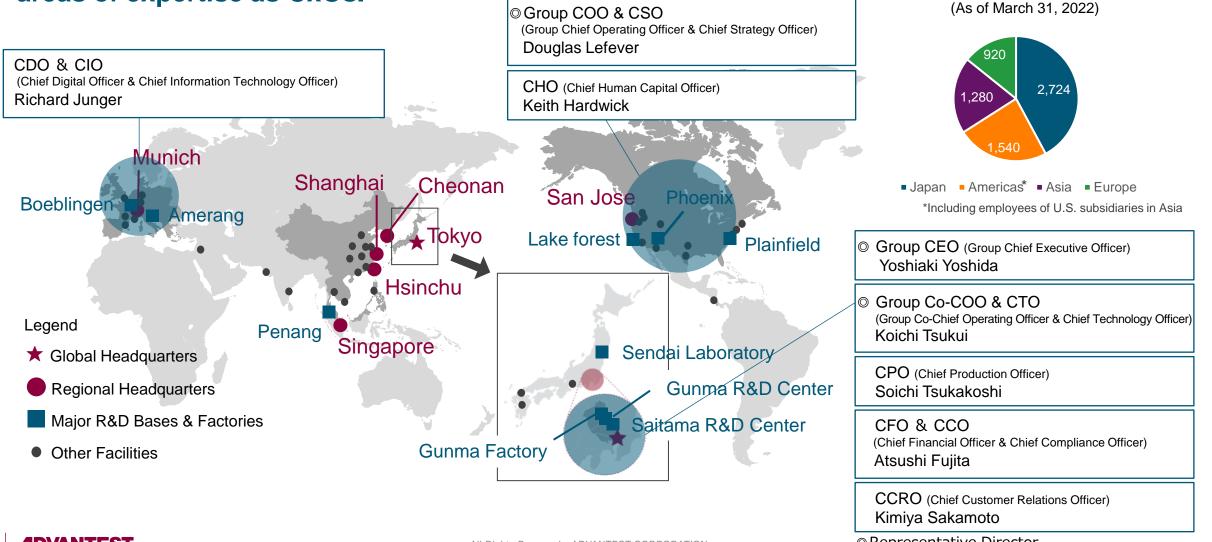
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G:Governance

Total workforce: 6,464

A More Sophisticated Execution System (Adoption of CxO System)

We have appointed executive officers who are qualified in their own areas of expertise as CxOs.



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© Representative Director

CxOs Lead ESG Initiatives

ESG Action Plan 2021-2023

ESG	Key Issue	Executive in charge*	Goal	KPI
E Environment) 7 AFORMARI AND DEVI INSTR		Co-CSO	Reduce GHG emissions from business activities by 60% by 2030 (vs. FY2018)	GHG emissions reduction amount/ rate
	Climate Change (Scope 1+2)		Raise renewable energy usage to 70% by2030, Group-wide	Coverage rate by renewable energy
3 REINVESEL		CPO	Reduce production times 30% through pro- duction process reviews (vs.FY2020)	Production time reduction rate for target models (vs. FY2020)
13 CLIMATE	Value Chain	CPO	Promote the use of re- newable energy by sup- pliers and contractors	Number of suppliers who have intro- duced renewable energy
	(Scope 3)	сто	Reduce CO ₂ -equivalent emissions (basic unit) per test by 50% by 2030	Reduction rate in basic units (vs. FY2018)
	Green Products	сто	Develop products that are free from polluting substances	Total elimination of PFAS in coolant
	Resource Recycling	CFO	Improve in-house recy- cling rate by promoting the 3Rs	Waste recycling rate (Japan/overseas)
			Maintain Group-wide water usage at FY2016 levels	Water resource usage
	Biodiversity	Co-CSO	Promote nature conser- vation activities (pro- tection of endangered species in biotope, tree planting, beach clean- up, etc.)	Planning and imple- mentation rate of nature conservation activities

ESG	Key Issue	Executive in charge*	Goal	KPI
S (Social)	ESG management at Supply Chain		Share and solve/miti- gate ESG issues (risk management, human rights/occupational safety, environment, fair trade, compliance, etc.)	Due diligence imple- mentation rate for major suppliers
B DECENT WORK AND ECONOMIC GROWTH			Fair treatment in gender	Female manager ratio
Ĩ			Edification and practice of human rights	Participation rate of educational training
	Diversity, protection, and respect for human rights	СНО	Work-life balance	Return-to-work rate after maternity leave (JPN) Exercise rate of childcare leave by males (JPN)
		СРО	Conflict minerals elimination	Percentage of suppliers confirmed to be free of conflict minerals*
	Customer satisfaction,	CCRO	Raise customer sat- isfaction under New Normal circumstances	Ranking of TechIn- sights customer satisfaction survey
	employee engagement	СНО	Edification and im- provement of attractive corporate culture	Score of Gallup survey
		CFO	Maintaining and en- hancing occupational safety and health	Occupational acci- dent rate (frequency rate)
	Investing in human resources		Promotion of health management	To be selected in White 500 (JPN)
		СНО	Employee capacity building	Education and training expenses (100MY)

* KPIs are changed according to actual	activities
----------------------------------------	------------

ESG	Key Issue	Executive in charge*	Goal	KPI
G (Governance)			Provide outside directors with updates on business and management issues	3 times/year
16 PLACE ANSTITUE AND STREME INSTITUTIONS			Intensify discussion through Off-site meet- ings by board members	2 times/year
17 PARTNERSHIPS FOR THE GOLDS	Board Effectiveness	CEO	Succession planning	Policy/process making, planning, updates
			Diversity of board members	Outside directors must include female representation (>40%)
			Add ESG perfor- mance assessment to compensation	Start from FY2021
	Corporate culture and Code of Conduct, compliance, risk	CFO	Work Shop/training for all employees (The Advantest Way, Law, Regulations, Information securities, etc.)	Participation rate for e-learning (100%)
	management		Strengthening Internal Control	Regularly discuss internal control issues
	Promotion & support of ESG management	Co-CSO	Support & Report group-wide Policy, Strategy, Plan and implementation	Report to Executive Management Com- mittee and BoD (once a year)
	(Sustainable Management Working Group)	00-030	Timely and appropriate disclosure (Integrated Annual Report, Sustain- ability Databook)	Issuance every year
*CEO: Chief Executive Officer				utive Officer

CPO: Chief Production Officer CFO: Chief Financial Officer CTO: Chief Technology Officer CHO: Chief Human Capital Officer CCRO: Chief Customer Relations Officer Co-CSO: Co-Chief Strategy Officer

Integrated Annual Report 2022

ADVANTEST 21

https://www.advantest.com/about/pdf/E_all_IAR2022.pdf

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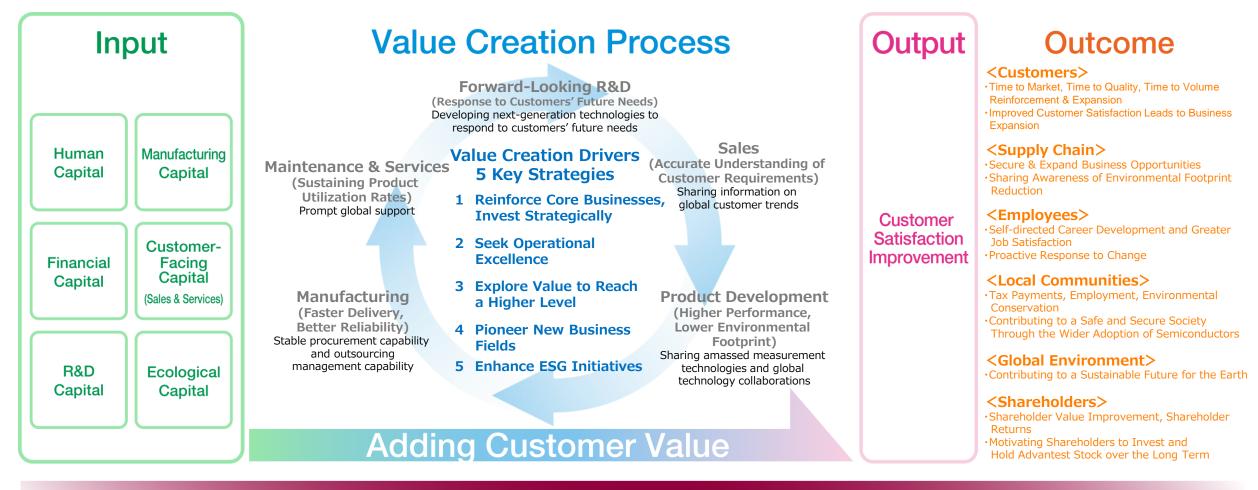
2. Advantest's Value Creation Process

Yasuo Mihashi

Senior Executive Officer Co-CSO(Co-Chief Strategy Officer) Executive Vice President, Corporate Planning & Stakeholder Relations Group



Value Creation Process



The Advantest Way

<Purpose & Mission > Enabling Leading-Edge Technologies

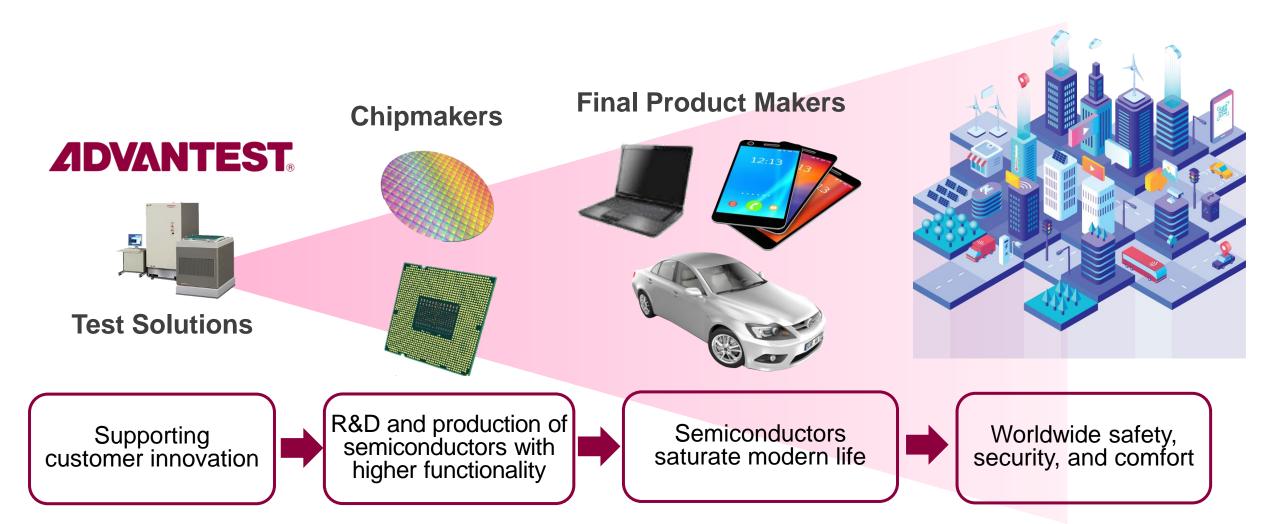
ADVANTEST

23

<Vision> Adding Customer Value in an Evolving Semiconductor Value Chain <Core Values> INTEGRITY

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Semiconductor Test Delivers Safety, Security, and Comfort



24 **ADVANTEST**®

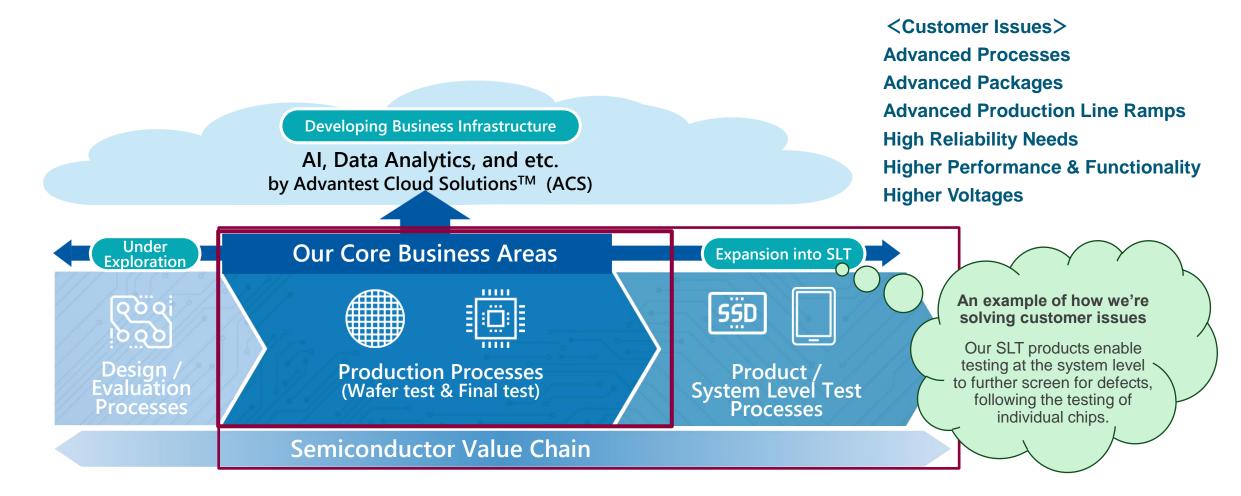
Semiconductor Evolution & Customer Issues



More advanced quality and performance assurance methods are needed to support the evolution of semiconductors and electronic devices

25 **ADVANTEST**

The Quest for Comprehensive Solutions to Customer Issues



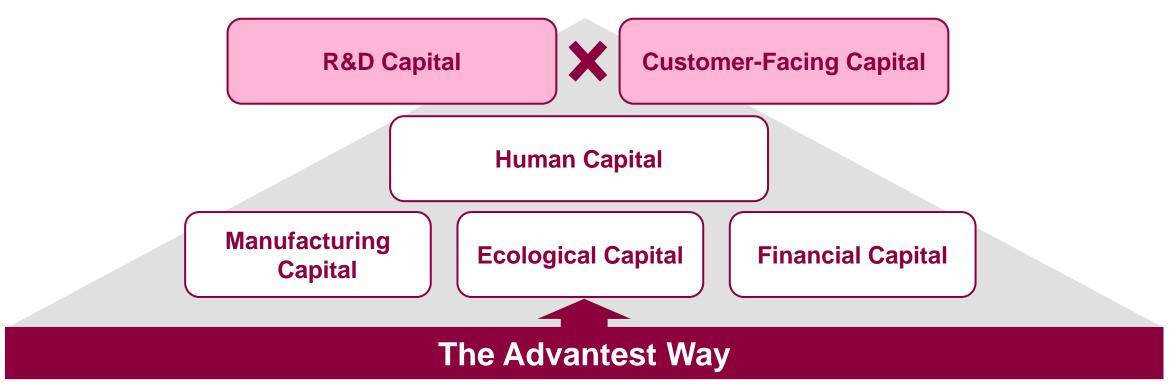
Advantest is developing broader, deeper solutions for customer issues through business domain expansion

26 **ADVANTEST**

Our Sources of Value Creation: The Advantest Way & Capital

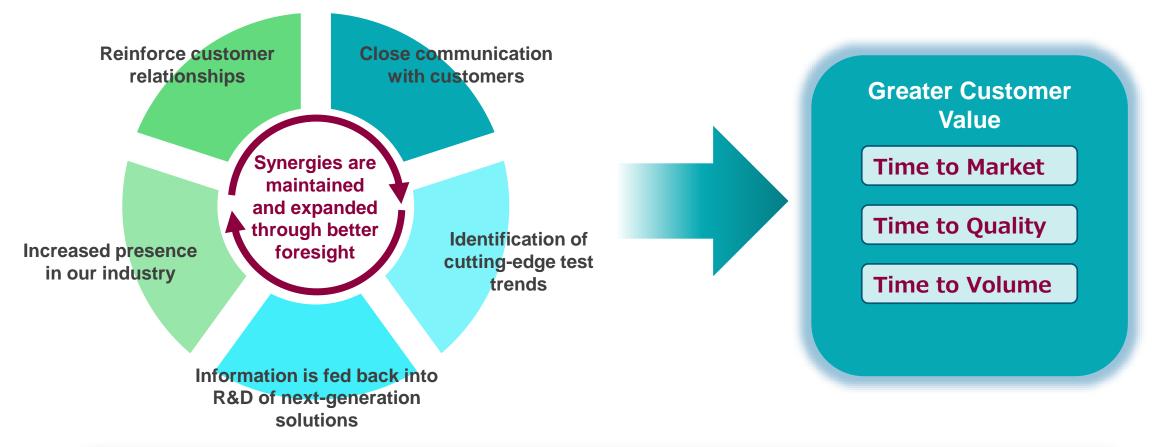
Our value creation stems from our R&D capital, customer-facing capital, both of which are underpinned by human capital, manufacturing capital, ecological capital, and financial capital — all supported by The Advantest Way.





Customer-Facing Capital & R&D Capital

The essence of our business model is the synergistic link between our customer-facing capital and R&D capital, refined over decades to deliver mutual benefits.



We grow the value we provide to customers by maintaining and expanding the synergies between our customer-facing capital and R&D capital

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Advantest's Core Competences & Human Capital

Advantest's Core Competences: R&D Capital & Customer-Facing Capital

Industry's No.1 technological capabilities & leadership

- Semiconductor test equipment market share : approx.55% (2022 in-house estimate^{*})
 *Estimate as of January 31, 2023
- ✓ Dominant position in the high-end market where test technology requirements are most demanding
- Scalable modular architecture platforms support semiconductor functionality gains
- ✓ Industry-leading MTBF (Mean Time Between Failure)

Total solutions including test peripherals and a global support network

- ✓ Named THE BEST Supplier of Chip Making Equipment and #1 ATE Supplier by TechInsights for the 3rd consecutive year. Also named on the 10 BEST Suppliers list of large suppliers of test equipment for the 34th consecutive year
- One-stop global support for test systems, test handlers, and device interfaces operating as a comprehensive test environment

Industry's No.1 customer base and largest installed base

- ✓ We cover the semiconductor market from system vendors to downstream across all regions, and build strong relationships with customers in various sectors.
- Number of volume production systems in operation worldwide is industry's greatest

R&D, SE/AE, sales/marketing, and field services personnel support our core competences

Upgrading our human capital from a long-term perspective is essential to maintaining and strengthening our core competences

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3. Advantest's Human Capital Betterment Initiatives

Keith Hardwick Senior Executive Officer CHO (Chief Human Capital Officer)

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Our 2011 merger with Verigy was a turning point.

- ✓ Our workforce expanded to include almost 50% non-Japanese nationals
- ✓ We became a group of individuals with differing cultures and backgrounds
- ✓ We developed and introduced a globally acceptable personnel system
- We strengthened our management foundation to support cross-border and cross-functional operations

These experiences crystallized into our 2019 review of "The Advantest Way". After that, we raised our personnel strategy to a higher level in line with the strategy of our second mid-term management plan.



The Advantest Way

Purpose & Mission

Why does Advantest exist?

Enabling Leading-Edge Technologies

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

Vision

What do we want to be?

Adding Customer Value in an Evolving Semiconductor Value Chain

Core Values

What do we value most?

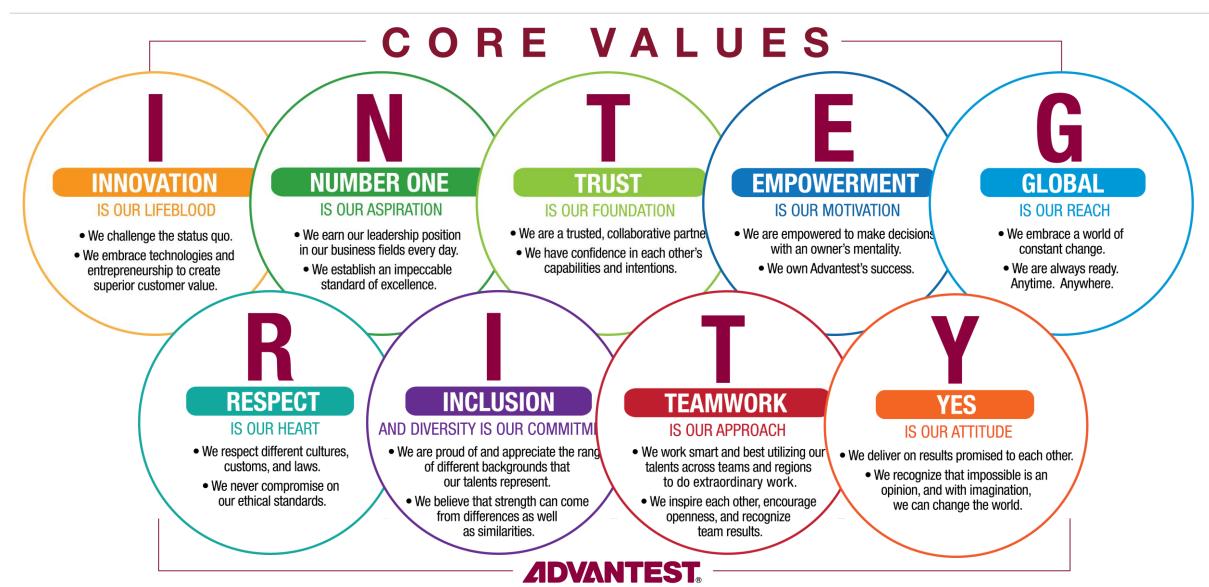
INTEGRITY

- "Integrity" means honesty and truthfulness
- When you have integrity, it means being open, honest and respectful at all times with all stakeholders



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Core Values



S:Society

Our Management Strategy & HR Strategy

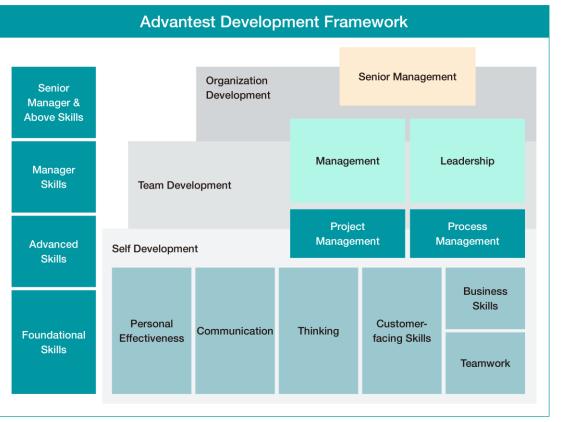
Management Vision	Execution of Strategy	HR Strategy
Purpose & Mission Enabling Leading-Edge Technologies Vision Adding Customer Value in the Ecoloring Semiconductor Value Chain Ore Values INTEGRITY Stategies . exercise Core Businesses, Invest Strategically Seek Operational Excellence Explore Value to Reach a Higher Level Poineer New Business Fields Enhance ESG Initiatives	FY2021-23 Investment Plans CapEx: ¥70 billion Strategic investments such as M&A: ¥100 billion 	 Development of abilities Improving and handing down skills and techniques Reskilling Training of future managers A personnel system that puts the right person in the right place Enhancement of personnel acquisition/retention Rapid response to change Retention and empowerment of diverse human resources Global succession planning Higher engagement Inculcation, maintenance and improvement of an attractive corporate culture Ownership of career paths Compensation at a level that motivates performance

We are strengthening the comprehensive power of our human capital by enhancing both individual and organizational strengths

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Individual Strengths: Development of Abilities

Advantest Development Framework



*The implementation will be adapted to local rules and practices

Resources for Development of Abilities

Global e-learning platform

Worldwide support for employees wishing to use LinkedIn, Franklin Covey, Udemy

Global talent management program

As a part of succession planning for key positions, global succession candidates acquire management literacy and participate in action learning (group work)

Resources to be Added in Future

Management Program 1 (Japan) FY2023 and beyond

Teaches a wide range of skills required for management positions. It is a completely voluntary system, but cannot be undertaken unless one reaches a certain level. Promotion to managerial positions will be subject to completion of this program.

Compliance (global)

Systematization of globally compulsory items, local responses, etc.

We are supporting the voluntary skill development of the human capital that drives our sustainable growth

Organizational Strengths: Retention and Maximization of Diverse Human Capital

S:Society

Region/Gender Composition of Workforce

- Ratio of overseas employees and managers is increasing
- •Executive officers come from all global regions
- ·2 out of 11 directors are Americans
- •The ratio of female employees is similar in Japan and worldwide. However, the ratio of female managers is lower in Japan

Employees by Region in FY2021 *FY2019 figures in brackets

	Japan	Asia	Europe	Americas*	Total Overseas
Employees	42.1% (47.5%)	19.8% (20.2%)	14.2% (14.9%)	23.8% (17.5%)	57.9% (52.5%)
Managers	38.0% (42.1%)	21.2% (21.9%)	18.6% (17.0%)	22.2% (19.1%)	62.0% (57.9%)
Executive Officers	54.2%	20.8%	12.5%	12.5%	45.8%
Directors	81.8%	-	_	18.2%	18.2%

*Including employees of U.S. subsidiaries in Asia

We are promoting diversity by actively hiring and promoting diverse human capital

Future Policies & Resources

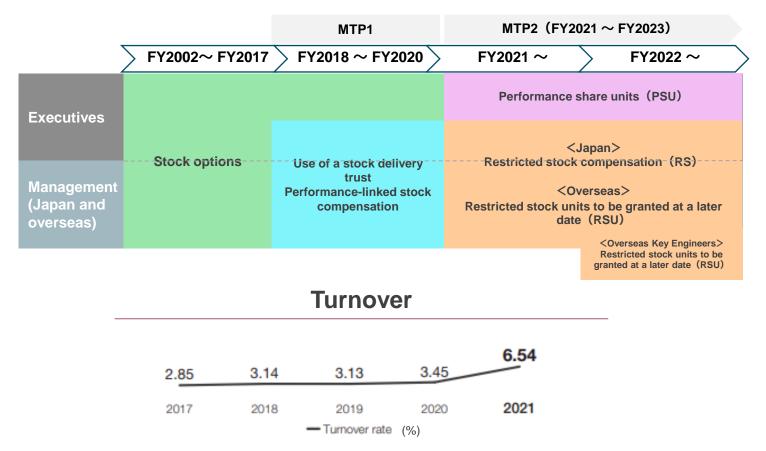
- The position of CHO (Chief Human Capital Officer), established in 2022, will boost our global efforts
- ·Inculcation of corporate culture based on The Advantest Way
- Optimization of workforce composition by job type for each region
- •Retention (key engineers in highly competitive regions)
- ·Review of the personnel system and evaluation system

Employees by Gender

		FY2019	FY2020	FY2021
% Female	Worldwide	19.6%	20.2%	20.8%
	Japan	17.8%	18.1%	18.5%
% of Managers Female	Worldwide	7.7%	8.3%	9.6%
	Japan	2.6%	3.0%	3.7%
% of Engineers Female	Worldwide	8.9%	9.4%	9.7%

Individual Strengths: Retention System

Evolution of our Stock Compensation Program



Future Policies & Measures

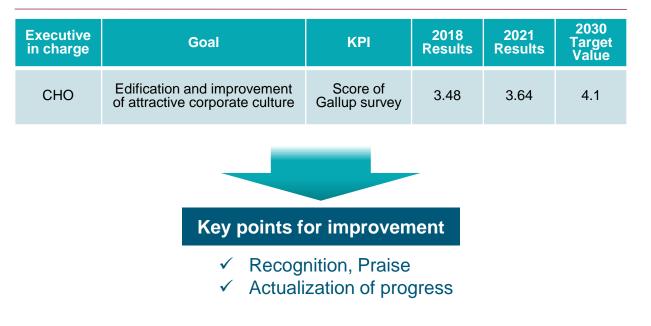
- Appropriate salary raises
- Activities to inculcate INTEGRITY~ Creation of highly engaging workplaces
- Review of RSUs for retention (for eligible job types and countries)

Expanding our stock compensation program is one of our measures to retain excellent human capital that will support Advantest's future growth

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Organizational Strengths: Engagement

Employee Engagement



Future Policies & Measures

- Culture Council & INTEGRITY Ambassador system to reform our corporate culture and improve engagement
- Review of the Leadership Model & measures to further inculcate it

Completed / Ongoing Policies & Measures

FY2019[INTEGRITY Workshop]FY2021[Leading with INTEGRITY]FY2022[INTEGRITY Award]

Based on the results of our engagement survey, we identified key issues and are working to improve engagement



Initiatives to Further Inculcate INTEGRITY (1)







Initiatives to Further Inculcate INTEGRITY (2)





Reference Information

Integrated Annual Report 2022

https://www.advantest.com/about/pdf/E_all_IAR2022.pdf

Sustainability Data Book 2022

https://www.advantest.com/sustainability/report/pdf/En_SustainabilityReport2022.pdf



use_y = False
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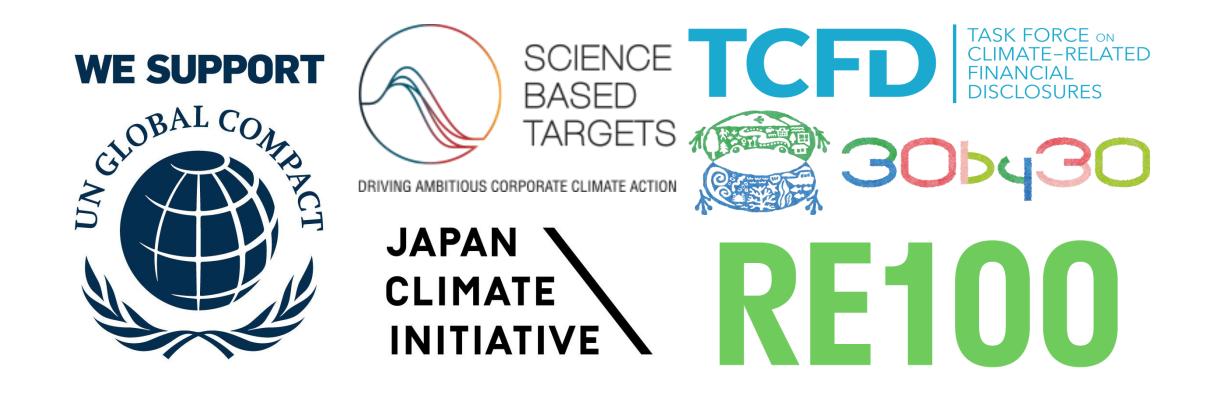
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Appendix

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Commitment to External Initiatives



Major ESG Evaluations by Third Parties

Selected for all five ESG Indexes adopted by GPIF

2023 CONSTITUENT MSCI JAPAN ESG SELECT LEADERS INDEX



2023 CONSTITUENT MSCI JAPAN EMPOWERING WOMEN INDEX (WIN)



FTSE Blossom Japan Index



Dow Jones Sustainability Indices Powered by the S&P Global CSA



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	FY2020	FY2022		Advantest Corporation
CDP Climate	В	A- 1		Semiconductors & Semiconductor Equipment Sustainability Yearbook Member
CDP Supplier Engagement	В-	A 🕇	ENGAGEMENT LEADER 2022	S&P Global ESG Score 2022
MSCI ESG Ratings	BBB	AA 🕇		DD /100 As of February 7, 2023.
Sustainalytics	ESG INDUSTRY TOP RATED	ESG INDUSTRY TOP RATED		Position and Score are industry specific and reflect exclusion screening criteria. Learn more at spglobal. S&P Global Set Sustainable1
**************************************	*	2022年認定	Beste Arbeitgeber [™]	Advantest Test Solutions is honored to be recognized for the third year in a row











REGISTER

ADVANTEST

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*For further details, please refer to External Recognition on our website.