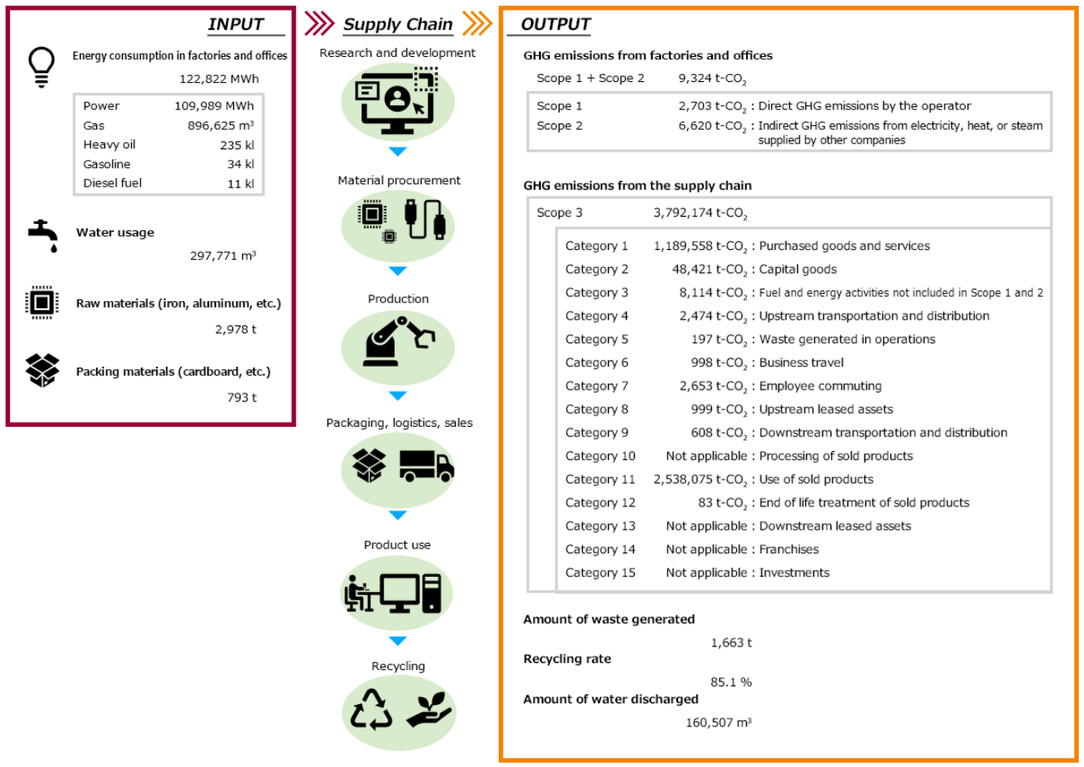
# ESG Data

# Material Flow

## Material Flow (FY2024)



# Data Collection

## Environmental Data

### Energy

| | Item | Boundary | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|---|---|---|---|
| Energy Consumption and Power Generation | Energy consumption | Japan | MWh | 44,609 | 43,537 | 42,673 | 44,672 | 45,858 |
| | | Overseas | MWh | 63,507 | 68,206 | 68,632 | 73,008 | 76,964 |
| | | Total | MWh | 108,116 | 111,744 | 111,305 | 117,680 | 122,822 |
| | Electricity consumption | Japan | MWh | 40,038 | 40,321 | 39,716 | 41,734 | 42,937 |
| | | Overseas | MWh | 50,620 | 54,648 | 56,582 | 64,460 | 67,052 |
| | | Total | MWh | 90,658 | 94,969 | 96,298 | 106,194 | 109,989 |
| | Gas consumption | Japan | ㎥ | 21,773 | 21,440 | 20,468 | 19,460 | 14,876 |
| | | Overseas | ㎥ | 1,044,524 | 1,078,604 | 968,752 | 783,372 | 881,749 |
| | | Total | ㎥ | 1,066,296 | 1,100,043 | 989,221 | 802,832 | 896,625 |
| | Heavy oil consumption | Japan | kl | 312 | 190 | 166 | 168 | 189 |
| | | Overseas | kl | 24 | 48 | 32 | 18 | 47 |
| | | Total | kl | 337 | 238 | 198 | 186 | 235 |
| | Gasoline consumption | Japan | kl | 43 | 42 | 41 | 42 | 34 |
| | | Overseas | kl | 0 | 0 | 0 | 0 | 0 |
| | | Total | kl | 43 | 42 | 41 | 42 | 34 |
| | Diesel fuel consumption | Japan | kl | 9 | 8 | 12 | 13 | 11 |
| | | Overseas | kl | 0 | 0 | 0 | 0 | 0 |
| | | Total | kl | 9 | 8 | 12 | 13 | 11 |
| | Renewable power purchased | Japan | MWh | 8,327 | 16,859 | 16,136 | 21,807 | 42,404 |
| | | Overseas | MWh | 0 | 0 | 20,567 | 24,544 | 20,433 |
| | | Total | MWh | 8,327 | 16,859 | 36,703 | 46,351 | 62,837 |
| | Amount of Tradable Green Certificate purchases | Japan | MWh | 0 | 0 | 2,741 | 0 | 0 |
| | | Overseas | MWh | 31,629 | 33,994 | 21,198 | 22,023 | 31,477 |
| | | Total | MWh | 31,629 | 33,994 | 23,939 | 22,023 | 31,477 |
| | Power generation of solar power generation systems (Private power generation) | Japan | MWh | 0 | 0 | 0 | 0 | 0 |
| | | Overseas | MWh | 0 | 0 | 0 | 621 | 898 |
| | | Total | MWh | 0 | 0 | 0 | 621 | 898 |

| | Item | Boundary | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|---|---|---|---|
| | Total quantity of renewable power | Japan | MWh | 8,327 | 16,859 | 18,877 | 21,807 | 42,404 |
| | | Overseas | MWh | 31,629 | 33,994 | 41,765 | 47,188 | 52,808 |
| | | Total | MWh | 39,956 | 50,853 | 60,642 | 68,995 | 95,212 |
| | Renewable Power Percentage | Japan | % | 20.8 | 41.8 | 47.5 | 52.3 | 98.8 |
| | | Overseas | % | 62.5 | 62.2 | 73.8 | 73.2 | 78.8 |
| | | Total | % | 44.1 | 53.5 | 63.0 | 65.0 | 86.6 |
| | Power generation of solar power generation systems (Electricity sold) | Japan | MWh | 0 | 0 | 0 | 0 | 0 |
| | | Overseas | MWh | 0 | 0 | 0 | 0 | 0 |
| | | Total | MWh | 0 | 0 | 0 | 0 | 0 |

* Values for the total quantity of renewable power are a tally of renewable power purchased, amount of tradable green, and Power generation of solar power generation systems (Private power generation) certificate purchases.

## GHG Emissions

| | Item | Boundary | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|---|---|---|---|
| GHG Emissions | Scope1 + Scope2 (* Scope 2 refers to the market based) | Japan | 1,000t-$CO_2$e | 16.25 | 11.83 | 11.04 | 9.15 | 1.18 |
| | | Overseas | 1,000t-$CO_2$e | 11.93 | 13.21 | 9.43 | 8.92 | 8.14 |
| | | Total | 1,000t-$CO_2$e | 28.18 | 25.04 | 20.47 | 18.07 | 9.32 |
| | Scope1 [*1] | Japan | 1,000t-$CO_2$e | 1.43 | 1.23 | 1.21 | 0.89 | 0.85 |
| | | Overseas | 1,000t-$CO_2$e | 2.39 | 2.53 | 2.24 | 1.58 | 1.86 |
| | | Total | 1,000t-$CO_2$e | 3.81 | 3.75 | 3.45 | 2.48 | 2.70 |
| | Scope2 (Location-Based) | Japan | 1,000t-$CO_2$ | 18.82 | 17.46 | 17.24 | 18.28 | 18.16 |
| | | Overseas | 1,000t-$CO_2$ | 18.91 | 20.40 | 20.49 | 23.64 | 24.84 |
| | | Total | 1,000t-$CO_2$ | 37.73 | 37.86 | 37.73 | 41.91 | 43.00 |
| | Scope2 (Market-Based) | Japan | 1,000t-$CO_2$ | 14.83 | 10.60 | 9.83 | 8.25 | 0.33 |
| | | Overseas | 1,000t-$CO_2$ | 9.54 | 10.69 | 7.20 | 7.33 | 6.29 |
| | | Total | 1,000t-$CO_2$ | 24.37 | 21.29 | 17.02 | 15.59 | 6.62 |
| | Scope3 | Category1 | 1,000t-$CO_2$ | 482.02 | 671.61 | 966.74 | 881.84 | 1,189.56 |
| | | Category2 | 1,000t-$CO_2$ | 31.55 | 41.53 | 57.71 | 48.00 | 48.42 |
| | | Category3 | 1,000t-$CO_2$ | 6.94 | 7.21 | 7.22 | 7.80 | 8.11 |
| | | Category4 | 1,000t-$CO_2$ | 6.88 | 9.36 | 10.34 | 9.34 | 2.47 |
| | | Category5 | 1,000t-$CO_2$ | 0.16 | 0.14 | 0.14 | 0.15 | 0.20 |
| | | Category6 | 1,000t-$CO_2$ | 0.75 | 0.84 | 0.93 | 0.96 | 0.99 |

| | Item | Boundary | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|---|---|---|---|
| | | Category7 | 1,000t-$CO_2$ | 1.81 | 2.11 | 2.37 | 2.47 | 2.65 |
| | | Category8 | 1,000t-$CO_2$ | 0.26 | 0.35 | 1.00 | 1.00 | 1.00 |
| | | Category9 | 1,000t-$CO_2$ | 1.01 | 0.36 | 0.47 | 0.35 | 0.61 |
| | | Category10 | 1,000t-$CO_2$ | N/A | | | | |
| | | Category11 | 1,000t-$CO_2$ | 1,151.98 | 1,319.35 | 1,991.31 | 1,519.50 | 2,538.07 |
| | | Category12 | 1,000t-$CO_2$ | 0.05 | 0.06 | 0.07 | 0.05 | 0.08 |
| | | Category13 | 1,000t-$CO_2$ | N/A | | | | |
| | | Category14 | 1,000t-$CO_2$ | N/A | | | | |
| | | Category15 | 1,000t-$CO_2$ | N/A | | | | |
| | | Total | 1,000t-$CO_2$ | 1,683.41 | 2,052.92 | 3,038.31 | 2,471.46 | 3,792.17 |
| | Total Emissions *2 | | 1,000t-$CO_2$ | 1,711.59 | 2,077.96 | 3,058.78 | 2,489.52 | 3,801.50 |

* 1 : From FY2018 onward, GHG emissions (PFCs and SF6), excluding those from energy sources, are included in the calculations.

* 2 : Total emissions, including Scope 3, have been calculated from FY2018 onward. The quantity of total emissions is calculated with Scope 2 as the market-based method.

* Referenced guidelines, electricity and fuel $CO_2$ emissions factors, and heat conversion coefficient

- Ministry of the Environment, "Basic Guidelines on Accounting for Greenhouse Gas Emissions throughout the Supply Chain"
- Ministry of the Environment, List of calculation methods and emission factors for calculating, reporting, and disclosure systems of Greenhouse Gas Emissions.
- $CO_2$ emission factors for overseas power consumption: Based on the emission factors announced by each electric company and government authorities of each country as well as those by country announced in IEA Emissions Factors 2024, which was issued by theInternational Energy Agency (IEA).

* Scope of calculations (Scope) of GHG emissions

- Scope 1: Direct GHG emissions by businesses themselves (fuel combustion, industrial processes)
- Scope 2: Indirect emissions due to use of electricity or heat/steam supplied by other companies
- Scope 3: Other indirect emissions, excluding those of Scopes 1 and 2 (emissions of other companies related to business activities)

| Item | Boundary | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|---|---|---|
| GHG emissions, excluding those from energy source | PFCs | t-$CO_2$e | 9.54 | 12.31 | 11.61 | 9.34 | 4.30 |
| | $SF_6$ | t-$CO_2$e | 304.27 | 440.33 | 490.20 | 166.66 | 121.17 |
| | Total | t-$CO_2$e | 313.80 | 452.64 | 501.81 | 176.00 | 125.46 |

## Water, Waste

| | Item | Boundary | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|---|---|---|---|
| Water | Water use | Japan | $m^3$ | 166,075 | 155,707 | 151,614 | 159,889 | 162,527 |
| | | Drinking water | $m^3$ | 58,722 | 55,646 | 55,522 | 56,853 | 54,831 |
| | | Ultra pure water (including in the total amount of drinking water) | $m^3$ | 1,540 | 1,264 | 732 | 501 | 424 |
| | | Industrial water | $m^3$ | 107,353 | 100,061 | 96,092 | 103,036 | 107,696 |
| | | Groundwater | $m^3$ | 0 | 0 | 0 | 0 | 0 |
| | | Overseas | $m^3$ | 84,196 | 80,698 | 90,515 | 119,851 | 135,244 |
| | | Total | $m^3$ | 250,271 | 236,405 | 242,129 | 279,740 | 297,771 |
| | Drainage amount | Japan | $m^3$ | 58,389 | 49,950 | 55,974 | 55,388 | 58,144 |
| | | Drainage to sewage | $m^3$ | 17,258 | 16,384 | 18,113 | 18,242 | 18,014 |
| | | Drainage to public waters | $m^3$ | 41,131 | 33,566 | 37,862 | 37,146 | 40,130 |
| | | Overseas | $m^3$ | 84,196 | 80,698 | 56,795 | 91,043 | 102,362 |
| | | Total | $m^3$ | 142,585 | 130,648 | 112,769 | 146,431 | 160,507 |

* Overseas drainage amount has been calculated with the same values as the water use (except Korea).

| | Item | Boundary | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|---|---|---|---|
| Waste | Amount of waste generated | Japan | t | 1,005 | 960 | 1,039 | 947 | 1,124 |
| | | Overseas | t | 277 | 287 | 313 | 427 | 539 |
| | | Total | t | 1,282 | 1,246 | 1,352 | 1,375 | 1,663 |
| | Amount of hazardous waste generated | Japan | t | 11 | 6 | 7 | 7 | 7 |
| | | Overseas | t | 18 | 2 | 11 | 27 | 35 |
| | | Total | t | 29 | 8 | 18 | 34 | 42 |
| | Amount of waste recycled | Japan | t | 634 | 616 | 911 | 895 | 1,056 |
| | | Overseas | t | 200 | 222 | 232 | 262 | 360 |
| | | Total | t | 834 | 837 | 1,142 | 1,157 | 1,416 |
| | Recycling rate | Japan | % | 63.1 | 64.1 | 87.7 | 94.5 | 93.9 |
| | | Overseas | % | 72.1 | 77.3 | 73.9 | 61.3 | 66.8 |
| | | Total | % | 65.1 | 67.2 | 84.5 | 84.2 | 85.1 |

* Weight of waste generated and recycled in Japan, including valuables are aggregated and disclosed.
Therefore, the domestic recycling rate is calculated by the following formula.
Domestic recycling rate = (amount of waste recycled + amount of valuables) ÷ (amount of waste + amount of valuables)

## Atmospheric emissions and chemicals

| | Item | Boundary | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|---|---|---|---|
| Number of cases that exceeded air and water quality standard values | Emissions to the atmosphere | Japan | Cases | 0 | 0 | 0 | 0 | 0 |
| | Emissions to bodies of water | Japan | Cases | 0 | 0 | 0 | 0 | 0 |

| | Item | Boundary | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|---|---|---|---|
| Amount of air and water pollutants emitted | Emissions to the atmosphere Nox | Japan | kg | 392 | 89 | 79 | 41 | 81 |
| | Emissions to the atmosphere Sox | Japan | kg | 302 | 37 | 32 | 11 | 29 |
| | Emissions to the atmosphere Soot and smoke | Japan | kg | 26 | 5 | 3 | 3 | 5 |
| | Emissions to bodies of water (BOD) | Japan | kg | 176 | 183 | 176 | 173 | 141 |
| | Emissions to bodies of water (COD) | Japan | kg | 215 | 145 | 160 | 198 | 202 |

| | Item | Boundary | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|---|---|---|---|
| PRTR data | PRTR substances released | Japan | t | 0.08 | 0.21 | 0.05 | 0.07 | 0.08 |
| | PRTR substances transferred | Japan | t | 0.20 | 0.40 | 0.40 | 0.48 | 0.42 |

* Calculations include applicable substances whose annual use is less than the reported amount under the PRTR Law.

| | Item | Boundary | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|---|---|---|---|
| VOC data | Amount of VOCs used | Japan | t | 2.58 | 2.39 | 2.69 | 2.57 | 2.22 |

* The 20 substances (isopropyl alcohol, toluene, acetone, butyl acetate, methanol, xylene, methyl ethyl ketone,dichloromethane, styrene, ethanol, and others), that account for 95% of the total emissions covered in the status report submitted by the four electrical and electronic industry groups* as part of their "Voluntary measures to reduce VOC emissions" requested by the Ministry of Economy, Trade and Industry, are aggregated.
Four electrical and electronic industry groups (JEMA, CIAJ, JEITA, and JBMIA)

## Environmental Communication

| Item | | Boundary | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|---|---|---|---|
| Environmental complaints | Complaints from stakeholders | Advantest Group | Cases | 0 | 0 | 0 | 0 | 0 |
| | Major violations of environmental laws and regulations | | Cases | 0 | 0 | 0 | 0 | 0 |

## Environmental Education

| Item | Boundary | Target (Persons) | Participants (Persons) | Participation ratio (%) |
|---|---|---|---|---|
| Participation in general environmental education | Japan | 2,919 | 2,919 | 100 |
| | Overseas | 4,915 | 4,244 | 86.3 |
| | Total | 7,834 | 7,163 | 91.4 |

## Environmental accounting

Japan

Targets: Seven bases in Japan (including consolidated subsidiaries), data collection period: April 2024 to March 2025

### Environmental conservation costs

Unit: Mil. Yen

| Cost classification | Main initiatives | Environmental capital investment | Cost |
|---|---|---|---|
| | | FY2024 | FY2024 |
| 1) Cost within the business area | | | |
| (1) Pollution control costs | Installation/repair of pollution prevention facilities, environmental measurement, and maintenance/inspection | 0.00 | 84.43 |
| (2) Global environmental conservation costs | Installation of energy-saving equipment/facilities | 115.61 | 76.40 |
| (3) Resource recycling costs | Waste processing/recycling and construction of water supply facilities | 7.00 | 46.93 |
| 2) Upstream/downstream costs | Green procurement/purchasing and introduction/development of recycled packaging materials | 0.00 | 4.10 |
| 3) Costs of management activities | Operation of environmental management systems, biotopes, and disclosure of environmental information | 0.00 | 238.39 |
| 4) R&D costs | R&D of environmentally friendly products and manufacturing technologies | 0.00 | 71,401.45 |
| 5) Social activity costs | Greening activities in surrounding areas | 0.00 | 5.70 |
| 6) Environmental damage costs | Fines/lawsuits related to environmental remediation and conservation | 0.00 | 0.00 |
| Total | | 122.61 | 71,857.40 |

### Environmental conservation effects

Unit: Mil. Yen

| Effect classification | Main initiatives | Economic benefits |
|---|---|---|
| | | FY2024 |
| 1) Economic impact | | |
| (1) Reduction of energy usage fees | Reduction of energy usage fees by incorporating energy-saving equipment/facilities and energy-saving initiatives | 0.00 |
| (2) Gain from recycling sales | Gain from the sale of valuables (metal scrap, etc.) | 105.13 |
| (3) Decrease in treatment costs due to waste reduction | Decrease in waste liquid treatment costs due to wastewater processing facilities, etc. | 0.00 |
| Total | | 105.13 |

| Effect classification | Main initiatives | Amount reduced/effectively used | |
|---|---|---|---|
| | | FY2024 | |
| 2) Quantitative effects | | | |
| (1) Reduction of electricity consumption | Reduced electricity consumption due to the installation of energy-saving equipment/facilities and operational adjustments | Facilities : | 0(MWh) |
| (2) Reduction of energy consumption | Reduced energy consumption due to the installation of energy-saving equipment/facilities and operational adjustments | Facilities : | 0(GJ) |
| (3) Reduction of $CO_2$ emissions | Reduced $CO_2$ emissions due to the installation of energy-saving equipment/facilities and operational adjustments | Facilities : | 0(t-$CO_2$) |
| (4) Effective utilization of resources | Amount of recycled metal scrap, office paper, and waste plastics, etc. | | 1056(t) |
| (5) Effective waste utilization ratio | Ratio of recycling versus total emissions of waste produced at business sites | | 94(%) |

Overseas

Target: Nine overseas consolidated subsidiaries, data collection period: April 2024 to March 2025

## Environmental conservation costs

Unit: Mil. Yen

| Cost classification | Main initiatives | Cost |
|---|---|---|
| | | FY2024 |
| Global environmental conservation costs | Installation of energy-saving equipment/facilities and improvement of facilities, etc. | 70.95 |
| Resource recycling costs | Waste processing costs, etc. | 8.64 |
| Costs of management activities | Operation of environmental management systems, fees for environment-related seminars, etc. | 4.21 |
| Social activity costs | Greening activities in surrounding areas, donations to social organizations, etc. | 40.83 |
| Total | | 124.63 |

## Environmental conservation effects

Unit: Mil. Yen

| Effect classification | Main initiatives | Economic benefits |
|---|---|---|
| | | FY2024 |
| 1) Economic impact | | |
| (1) Reduction of electricity usage fees | Reduction of electricity usage fees by incorporating energy-saving equipment/facilities | 0.00 |
| (2) Gain from recycling sales | Gain from the sale of valuables | 0.56 |
| Total | | 0.56 |

| Effect classification | Main initiatives | Amount reduced/effectively used |
|---|---|---|
| | | FY2024 |
| 2) Quantitative effects | | |
| (1) Reduction of electricity usage fees | Reduction of electricity usage fees by incorporating energy-saving equipment/facilities | 0(MWh) |
| (2) Reduction of $CO_2$ emissions | Reduced $CO_2$ emissions due to the installation of energy-saving equipment/facilities | 0(t-$CO_2$) |

# Social Data

## Human Resources

| | Boundary | Item | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|---|---|---|---|
| Employee by region | Japan | Male | Person | 2,213 | 2,220 | 2,256 | 2,289 | 2,283 |
| | | Female | Person | 490 | 504 | 527 | 530 | 529 |
| | | Total | Person | 2,703 | 2,724 | 2,783 | 2,819 | 2,812 |
| | | Ratio of Female | % | 18.1 | 18.5 | 18.9 | 18.8 | 18.8 |
| | | Ratio by region | % | 47.0 | 42.1 | 39.1 | 38.3 | 37.0 |
| | Asia | Male | Person | 905 | 959 | 1,088 | 1,105 | 1,111 |
| | | Female | Person | 290 | 321 | 372 | 379 | 390 |
| | | Total | Person | 1,195 | 1,280 | 1,460 | 1,484 | 1,501 |
| | | Ratio of Female | % | 24.3 | 25.1 | 25.5 | 25.5 | 26.0 |
| | | Ratio by region | % | 20.8 | 19.8 | 20.5 | 20.2 | 19.7 |
| | Europe | Male | Person | 720 | 763 | 903 | 955 | 1,062 |
| | | Female | Person | 153 | 157 | 202 | 220 | 230 |
| | | Total | Person | 873 | 920 | 1,105 | 1,175 | 1,292 |
| | | Ratio of Female | % | 17.5 | 17.1 | 18.3 | 18.7 | 17.8 |
| | | Ratio by region | % | 15.2 | 14.2 | 15.5 | 16.0 | 17.0 |
| | North America | Male | Person | 756 | 1,178 | 1,363 | 1,402 | 1,477 |
| | | Female | Person | 229 | 362 | 406 | 478 | 523 |
| | | Total | Person | 985 | 1,540 | 1,769 | 1,880 | 2,000 |
| | | Ratio of Female | % | 23.2 | 23.5 | 23.0 | 25.4 | 26.2 |
| | | Ratio by region | % | 17.1 | 23.8 | 24.9 | 25.6 | 26.3 |
| | Overseas Total | Male | Person | 2,381 | 2,900 | 3,354 | 3,462 | 3,650 |
| | | Female | Person | 672 | 840 | 980 | 1,077 | 1,143 |
| | | Total | Person | 3,053 | 3,740 | 4,334 | 4,539 | 4,793 |
| | | Ratio of Female | % | 22.0 | 22.5 | 22.6 | 23.7 | 23.8 |
| | | Ratio by region | % | 53.0 | 57.9 | 60.9 | 61.7 | 63.0 |
| | Total | Male | Person | 4,594 | 5,120 | 5,610 | 5,751 | 5,933 |
| | | Female | Person | 1,162 | 1,344 | 1,507 | 1,607 | 1,672 |
| | | Total | Person | 5,756 | 6,464 | 7,117 | 7,358 | 7,605 |
| | | Ratio of Female | % | 20.2 | 20.8 | 21.2 | 21.8 | 22.0 |

* Boundary: Advantest Corporation and its domestic and overseas affiliated companies (hereinafter referred to as the “Advantest Group”)

| | Item | | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|---|---|---|---|
| Number of employees by employment type | Regular Employees | Male | Person | 4,242 | 4,739 | 5,194 | 5,326 | 5,488 |
| | | Female | Person | 1,019 | 1,202 | 1,350 | 1,440 | 1,513 |
| | | Total | Person | 5,261 | 5,941 | 6,544 | 6,766 | 7,001 |
| | Non-regular Employees | Male | Person | 352 | 381 | 416 | 425 | 445 |
| | | Female | Person | 143 | 142 | 157 | 167 | 159 |
| | | Total | Person | 495 | 523 | 573 | 592 | 604 |
| | Total | Male | Person | 4,594 | 5,120 | 5,610 | 5,751 | 5,933 |
| | | Female | Person | 1,162 | 1,344 | 1,507 | 1,607 | 1,672 |
| | | Total | Person | 5,756 | 6,464 | 7,117 | 7,358 | 7,605 |

*Boundary: Advantest Group

| | Boundary | Item | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|---|---|---|---|
| Number of employees in management positions | Japan | Male | Person | 486 | 465 | 465 | 472 | 468 |
| | | Female | Person | 15 | 18 | 20 | 20 | 22 |
| | | Total | Person | 501 | 483 | 485 | 492 | 490 |
| | | Ratio of Female | % | 3.0 | 3.7 | 4.1 | 4.1 | 4.5 |
| | | Ratio by region | % | 41.4 | 38.0 | 37.5 | 37.4 | 35.5 |
| | | Of which, were hired locally | Person | 501 | 483 | 484 | 491 | 485 |
| | | Ratio of locally-hired employees appointed | % | 100.0 | 100.0 | 99.8 | 99.8 | 99.0 |
| | Asia | Male | Person | 226 | 225 | 237 | 233 | 249 |
| | | Female | Person | 43 | 45 | 45 | 49 | 54 |
| | | Total | Person | 269 | 270 | 282 | 282 | 303 |
| | | Ratio of Female | % | 16.0 | 16.7 | 16.0 | 17.4 | 17.8 |
| | | Ratio by region | % | 22.2 | 21.2 | 21.8 | 21.5 | 21.9 |
| | | Of which, were hired locally | Person | 255 | 257 | 272 | 273 | 292 |
| | | Ratio of locally-hired employees appointed | % | 94.8 | 95.2 | 96.5 | 96.8 | 96.4 |

| | Boundary | Item | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|---|---|---|---|
| Number of employees in management positions | Europe | Male | Person | 200 | 214 | 223 | 239 | 268 |
| | | Female | Person | 19 | 23 | 25 | 25 | 26 |
| | | Total | Person | 219 | 237 | 248 | 264 | 294 |
| | | Ratio of Female | % | 8.7 | 9.7 | 10.1 | 9.5 | 8.8 |
| | | Ratio by region | % | 18.1 | 18.6 | 19.2 | 20.1 | 21.3 |
| | | Of which, were hired locally | Person | 215 | 232 | 243 | 261 | 292 |
| | | Ratio of locally-hired employees appointed | % | 98.2 | 97.9 | 98.0 | 98.9 | 99.3 |
| | North America | Male | Person | 198 | 246 | 251 | 247 | 263 |
| | | Female | Person | 24 | 36 | 27 | 29 | 32 |
| | | Total | Person | 222 | 282 | 278 | 276 | 295 |
| | | Ratio of Female | % | 10.8 | 12.8 | 9.7 | 10.5 | 10.8 |
| | | Ratio by region | % | 18.3 | 22.2 | 21.5 | 21.0 | 21.3 |
| | | Of which, were hired locally | Person | 217 | 276 | 269 | 268 | 286 |
| | | Ratio of locally-hired employees appointed | % | 97.7 | 97.9 | 96.8 | 97.1 | 96.9 |
| | Overseas Total | Male | Person | 624 | 685 | 711 | 719 | 780 |
| | | Female | Person | 86 | 104 | 97 | 103 | 112 |
| | | Total | Person | 710 | 789 | 808 | 822 | 892 |
| | | Ratio of Female | % | 12.1 | 13.2 | 12.0 | 12.5 | 12.6 |
| | | Ratio by region | % | 58.6 | 62.0 | 62.5 | 62.6 | 64.5 |
| | | Of which, were hired locally | Person | 687 | 765 | 784 | 802 | 870 |
| | | Ratio of locally-hired employees appointed | % | 96.8 | 97.0 | 97.0 | 97.6 | 97.5 |
| | Total | Male | Person | 1,110 | 1,150 | 1,176 | 1,191 | 1,248 |
| | | Female | Person | 101 | 122 | 117 | 123 | 134 |
| | | Total | Person | 1,211 | 1,272 | 1,293 | 1,314 | 1,382 |
| | | Ratio of Female | % | 8.3 | 9.6 | 9.0 | 9.4 | 9.7 |
| | | Of which, were hired locally | Person | 1,188 | 1,248 | 1,268 | 1,293 | 1,355 |
| | | Ratio of locally-hired employees appointed | % | 98.1 | 98.1 | 98.1 | 98.4 | 98.0 |

* Boundary: Advantest Group

* Definition of "management position": Level 7 or higher in a 10-level status system. Of the 10 levels, job levels 1 to 6 are general employees, while levels 7 to 10 are designated as management positions.

| | Item | | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|---|---|---|---|
| Number of employees by age group | Age - 29 | Male | Person | 443 | 627 | 884 | 913 | 930 |
| | | Female | Person | 156 | 215 | 262 | 256 | 263 |
| | | Total | Person | 599 | 842 | 1,146 | 1,169 | 1,193 |
| | Age 30 - 39 | Male | Person | 793 | 969 | 1,088 | 1,153 | 1,248 |
| | | Female | Person | 258 | 291 | 338 | 380 | 433 |
| | | Total | Person | 1,051 | 1,260 | 1,426 | 1,533 | 1,681 |
| | Age 40 - 49 | Male | Person | 1,347 | 1,328 | 1,325 | 1,283 | 1,271 |
| | | Female | Person | 334 | 356 | 382 | 419 | 419 |
| | | Total | Person | 1,681 | 1,684 | 1,707 | 1,702 | 1,690 |
| | Age 50 - 59 | Male | Person | 1,415 | 1,519 | 1,581 | 1,681 | 1,719 |
| | | Female | Person | 228 | 289 | 317 | 331 | 339 |
| | | Total | Person | 1,643 | 1,808 | 1,898 | 2,012 | 2,058 |
| | Age 60 - | Male | Person | 244 | 296 | 316 | 296 | 320 |
| | | Female | Person | 43 | 51 | 51 | 54 | 59 |
| | | Total | Person | 287 | 347 | 367 | 350 | 379 |
| | Total | Male | Person | 4,242 | 4,739 | 5,194 | 5,326 | 5,488 |
| | | Female | Person | 1,019 | 1,202 | 1,350 | 1,440 | 1,513 |
| | | Total | Person | 5,261 | 5,941 | 6,544 | 6,766 | 7,001 |

* Boundary: Only regular employees of the Advantest Group

## Recruitment and turnover

| | Boundary | Item | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|---|---|---|---|
| Number of new hires | Japan | Male | Person | 41 | 49 | 70 | 85 | 69 |
| | | Female | Person | 15 | 18 | 23 | 12 | 15 |
| | | Total | Person | 56 | 67 | 93 | 97 | 84 |
| | | Ratio of Female | % | 26.8 | 26.9 | 24.7 | 12.4 | 17.9 |
| | | Ratio by region | % | 14.7 | 6.2 | 8.1 | 11.4 | 10.9 |
| | Asia | Male | Person | 110 | 147 | 209 | 95 | 55 |
| | | Female | Person | 30 | 45 | 60 | 27 | 21 |
| | | Total | Person | 140 | 192 | 269 | 122 | 76 |
| | | Ratio of Female | % | 21.4 | 23.4 | 22.3 | 22.1 | 27.6 |
| | | Ratio by region | % | 36.7 | 17.7 | 23.4 | 14.4 | 9.8 |
| | Europe | Male | Person | 58 | 67 | 188 | 99 | 139 |
| | | Female | Person | 17 | 12 | 46 | 25 | 23 |
| | | Total | Person | 75 | 79 | 234 | 124 | 162 |
| | | Ratio of Female | % | 22.7 | 15.2 | 19.7 | 20.2 | 14.2 |
| | | Ratio by region | % | 19.7 | 7.3 | 20.3 | 14.6 | 21.0 |
| | North America | Male | Person | 77 | 563 | 421 | 318 | 322 |
| | | Female | Person | 33 | 181 | 133 | 188 | 129 |
| | | Total | Person | 110 | 744 | 554 | 506 | 451 |
| | | Ratio of Female | % | 30.0 | 24.3 | 24.0 | 37.2 | 28.6 |
| | | Ratio by region | % | 28.9 | 68.8 | 48.2 | 59.6 | 58.3 |
| | Overseas Total | Male | Person | 245 | 777 | 818 | 512 | 516 |
| | | Female | Person | 80 | 238 | 239 | 240 | 173 |
| | | Total | Person | 325 | 1,015 | 1,057 | 752 | 689 |
| | | Ratio of Female | % | 24.6 | 23.4 | 22.6 | 31.9 | 25.1 |
| | | Ratio by region | % | 85.3 | 93.8 | 91.9 | 88.6 | 89.1 |
| | Total | Male | Person | 286 | 826 | 888 | 597 | 585 |
| | | Female | Person | 95 | 256 | 262 | 252 | 188 |
| | | Total | Person | 381 | 1,082 | 1,150 | 849 | 773 |
| | | Ratio of Female | % | 24.9 | 23.7 | 22.8 | 29.7 | 24.3 |

* Boundary: Only regular employees of the Advantest Group

| | Boundary | Item | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|---|---|---|---|
| Number of employee turnover | Japan | Male | Person | 13 | 21 | 25 | 22 | 24 |
| | | Female | Person | 2 | 4 | 5 | 4 | 5 |
| | | Total | Person | 15 | 25 | 30 | 26 | 29 |
| | | Ratio of Female | % | 13.3 | 16.0 | 16.7 | 15.4 | 17.2 |
| | | Ratio by region | % | 8.6 | 7.3 | 6.4 | 4.8 | 6.5 |
| | Asia | Male | Person | 37 | 89 | 74 | 65 | 48 |
| | | Female | Person | 16 | 15 | 8 | 12 | 10 |
| | | Total | Person | 53 | 104 | 82 | 77 | 58 |
| | | Ratio of Female | % | 30.2 | 14.4 | 9.8 | 15.6 | 17.2 |
| | | Ratio by region | % | 30.5 | 30.2 | 17.4 | 14.1 | 13.1 |
| | Europe | Male | Person | 9 | 17 | 30 | 32 | 21 |
| | | Female | Person | 4 | 6 | 3 | 7 | 14 |
| | | Total | Person | 13 | 23 | 33 | 39 | 35 |
| | | Ratio of Female | % | 30.8 | 26.1 | 9.1 | 17.9 | 40.0 |
| | | Ratio by region | % | 7.5 | 6.7 | 7.0 | 7.2 | 7.9 |
| | North America | Male | Person | 84 | 144 | 247 | 284 | 239 |
| | | Female | Person | 9 | 48 | 78 | 119 | 83 |
| | | Total | Person | 93 | 192 | 325 | 403 | 322 |
| | | Ratio of Female | % | 9.7 | 25.0 | 24.0 | 29.5 | 25.8 |
| | | Ratio by region | % | 53.4 | 55.8 | 69.1 | 73.9 | 72.5 |
| | Overseas Total | Male | Person | 130 | 250 | 351 | 381 | 308 |
| | | Female | Person | 29 | 69 | 89 | 138 | 107 |
| | | Total | Person | 159 | 319 | 440 | 519 | 415 |
| | | Ratio of Female | % | 18.2 | 21.6 | 20.2 | 26.6 | 25.8 |
| | | Ratio by region | % | 91.4 | 92.7 | 93.6 | 95.2 | 93.5 |
| | Total | Male | Person | 143 | 271 | 376 | 403 | 332 |
| | | Female | Person | 31 | 73 | 94 | 142 | 112 |
| | | Total | Person | 174 | 344 | 470 | 545 | 444 |
| | | Ratio of Female | % | 17.8 | 21.2 | 20.0 | 26.1 | 25.2 |
| | Turnover ratio | Male | % | 3.48 | 6.39 | 7.93 | 7.76 | 6.23 |
| | | Female | % | 3.30 | 7.16 | 7.82 | 10.52 | 7.78 |
| | | Total | % | 3.45 | 6.54 | 7.91 | 8.33 | 6.56 |

* Boundary:  Only regular employees of the Advantest Group

* From December 2019 onward, the method of including employees who leave at the end of the month within that month's tally was changed to include them in the count for the following month.

## Diversity and Inclusion, Working Style

| | Boundary | | Unit | FY2020 | FY2021 | FY2022 | FY2023 | FY2024 |
|---|---|---|---|---|---|---|---|---|
| Number of re-mployment system users [*1] | Advantest Corporation [*3], Domestic affiliated companies | | Person | 60 | 74 | 44 | 50 | 73 |
| Employment rate of people with disabilities | Advantest Corporation [*3], Advantest Green, Advanfacilities | | % | 2.79 | 2.83 | 2.91 | 2.84 | 2.86 |
| (Legal ratio of employment of people with disabilities) | | | % | 2.20 | 2.30 | 2.30 | 2.30 | 2.50 |
| (Average ratio of employment of people with disabilities in the private sector nationwide) | | | % | 2.15 | 2.20 | 2.25 | 2.33 | 2.41 |
| Number of employees taking childcare leave | Advantest Corporation [*3] | Male | Person | 2 | 4 | 7 | 17 | 23 |
| | | Female | Person | 27 | 24 | 20 | 24 | 21 |
| | | Total | Person | 29 | 28 | 27 | 41 | 44 |
| Number of employees who applied for shortened working hours for childcare | Advantest Corporation [*3] | Male | Person | 3 | 3 | 2 | 3 | 3 |
| | | Female | Person | 76 | 75 | 76 | 78 | 72 |
| | | Total | Person | 79 | 78 | 78 | 81 | 75 |
| Number of employees taking nursing/care leave | Advantest Corporation [*3] | Nursing leave | Person | 40 | 41 | 19 | 24 | 29 |
| | | Care leave | Person | 3 | 10 | 5 | 7 | 6 |
| | | Total | Person | 43 | 51 | 24 | 31 | 35 |
| Ratio of employees taking paid leave | Advantest Corporation [*4] | | % | 68.7 | 73.7 | 76.1 | 80.0 | 76.1 |
| Number of employees taking accumulated leave | Advantest Corporation [*3] | | Person | 124 | 317 | 127 | 56 | 64 |
| Average amount of overtime per individual [*2] | Advantest Group [*5], Domestic affiliated companies, Overseas affiliated companies (China/South Korea) | | Hours | 16.9 | 19.7 | 20.5 | 19.7 | 19.4 |
| Ratio of occupational accidents(LTIR)[*6] | Advantest Corporation [*4], Domestic affiliated companies | | - | 0.000 | 0.000 | 0.036 | 0.035 | 0.036 |
| | Overseas affiliated companies [*7] | | - | 0.018 | 0.017 | 0.094 | 0.206 | 0.354 |

* 1: The number of individuals who have newly started to use the re-employment system. (Those who have continued to use the system from the previous year were not included.)
* 2: Excluding management positions. Overtime hours for management positions with no subordinates are included for South Korea only.
* 3: Including those seconded to affiliated companies, excluding those received on secondment from affiliated companies.
* 4: Excluding those seconded to affiliated companies, including those received on secondment from affiliated companies.
* 5: Excluding those seconded to affiliated companies (except AAY, APO, ATL), including those received on secondment from affiliated companies.
* 6: The number of casualties due to occupational accidents per 200,000 actual working hours.
  From the fiscal year 2019, dispatched employees are included in the data.
* 7: Overseas affiliated companies are AAI,ETS,RDA,ASP,ATH,API,AVC,ATK,AEG,ATI,AMY,ASM,ATC.

## Employee Education

| | Training Category | Target | Participants (Persons) | Training hours (hours) |
|---|---|---|---|---|
| Status of education and training implementation | Business training (human resource management, etc.) | Management / General employees | 1,783 | 11,044 |
| | Technical training (technology) | Management / General employees | 570 | 1,791 |
| | E-learning (human resource management, etc.) | Management / General employees | 21,052 | 8,949 |
| | New recruit training (per level) | Management / General employees | 62 | 25,309 |
| | Languages/TOEIC (global) | Management / General employees | 1,798 | 17,601 |
| | External seminars (business skills, etc.) | Management / General employees | 149 | 1,608 |
| | Total | | 25,414 | 66,302 |

* Boundary: Advantest Corporation (including employees seconded to affiliated companies, excluding those seconded from affiliated companies / excluding those part of the Advantest Group-wide simultaneous implementation)

| | Education Category | Target | Number of participants (total No. of individuals) | Hours of education (hours) |
|---|---|---|---|---|
| Status of safety and health education implementation | General education | Management / General employees | 10,292 | 5,533 |
| | Technical education | Management / General employees | 1,285 | 10,868 |

*Boundary: Advantest Group

# Governance Data

## Governance System (As of June 27, 2025)

| | |
|---|---|
| Structure | Company with an Audit and Supervisory Committee |
| Number of Directors | 9(male : 7 / female : 2) |
| Number of Outside Directors | 5 (55.5%) |
| Number of Non-Japanese Directors | 2 (22.2%) |
| Number of Female Directors | 2 (22.2%) |
| Term of Office for Directors Who Are Not Audit and Supervisory Committee Members | 1 year |
| Number of Directors Who Are Audit and Supervisory Committee Members | 3 |
| Number of Outside Directors | 2 |
| Chairperson of Audit and Supervisory Committee | Outside Director |
| Term of Office for Directors Who Are Audit and Supervisory Committee Members | 2 years |
| Nomination and Compensation Committee | Inplace |
| Nomination and Compensation Committee Members | 3 Directors (Two of which are outside Directors) |
| Nomination and Compensation Committee Chair | Outside Director |
| Performance-based Compensation System | In Place |
| Executive Officer System | In Place |
| Executive Officers | 28 |
| Non-Japanese Executive Officers | 16 |

## Executive Compensation

| Officer Category | Company category | Total Compensation (Mil. yen) | Total Compensation by category (Mil. yen) | | | | Number of Eligible Directors |
|---|---|---|---|---|---|---|---|
| | | | Cash Compensation | | Non-cash Compensation | | |
| | | | Fixed Compensation | Performance-based Compensation | Restricted stock compensation | Performance-based Stock remuneration | |
| Directors (excluding Audit and Supervisory Committee members) (excluding Outside Directors) | Advantest Corporation (The Company) | 1,188 | 221 | 254 | 289 | 424 | 3 |
| | The consolidated subsidiaries | 11 | 11 | — | — | — | |
| Directors (Audit and Supervisory Committee members) (excluding Outside Directors) | Advantest Corporation (The Company) | 47 | 44 | — | 3 | — | 1 |
| Outside Directors (excluding Audit and Supervisory Committee members) | Advantest Corporation (The Company) | 50 | 43 | — | 7 | — | 3 |
| Outside Directors (Audit and Supervisory Committee members) | Advantest Corporation (The Company) | 36 | 31 | — | 5 | — | 2 |

(Note)

1. As of March 31, 2025, the number of directors (excluding outside directors and directors who are Audit and Supervisory Committee members) and outside directors were three and five, respectively.
2. Performance-based bonuses are paid to directors (excluding outside directors and directors who are Audit and Supervisory Committee members)  as performance-based compensation.
3. Restricted stock compensation and performance-based stock remuneration are recorded as expenses in accordance with IFRS for FY2024.

# Approach to Data Aggregation and Third-Party Verification

## Approach to and Methods for Environmental Data Collection

### Targets and period of environmental data collection

Environmental data (Excel file) is available in ESG-Related Information.

| | |
|---|---|
| Period | April 1, 2024, to March 31, 2025 |
| Targets | Advantest Corporation and its major domestic/overseas consolidated subsidiaries |

| Item | Region | 2020 | 2021 | 2022 | 2023 | 2024 |
|---|---|---|---|---|---|---|
| Aggregation range (Those in Japan includes including affiliated companies) | Japan | 7 bases | 7 bases | 7 bases | 7 bases | 7 bases |
| | Overseas | Major overseas affiliates 6 companies | | | | |
| Employee coverage | Global | - | 85.6% | 79.6% | 86.5% | 84.2% |

### Approach and methods for GHG-related data collection

#### Quantity of GHG emissions from business facilities

Calculations are based on usage of electricity, heat, and fuel at business facilities, and usage of GHGs (for manufacturing processes, equipment, etc.)

| | |
|---|---|
| $CO_2$ emissions (from energy) accompanying the use of energy | Calculations are performed by multiplying the usage amount of electricity, heat, and fuel (including fuel for vehicles, etc.) at each business facility against the $CO_2$ emission factors.<br>When using renewable energy (including certificates), the $CO_2$ emission factors is set to zero. |
| GHG emissions from PFCs, etc. (with a non-energy origin) | Calculations are performed by multiplying the GHG emissions at each business facility against global warming potential values to convert into quantities of $CO_2$. |

Referenced guidelines as well as energy and fuel $CO_2$ emission factors and heat conversion coefficient

| | |
|---|---|
| Japan | Ministry of the Environment, "Basic Guidelines on Accounting for Greenhouse Gas Emissions throughout the Supply Chain"<br>Ministry of the Environment, "Amount of Greenhouse Gas Emissions—List of Calculation Methods and Emission Coefficients within the Calculation/Reporting/ Disclosure System" |
| Overseas | Based on the emission factors announced by each electric company and government authorities of each country as well as those by country announced in IEA Emissions Factors, which was issued by the International Energy Agency (IEA). |

#### Quantity of $CO_2$ emissions from purchased products and services ≪ Scope 3, Category 1 ≫

The quantity of $CO_2$ emissions from products and services purchased by Advantest is calculated by multiplying the corresponding primary unit in the "Global Embodied Energy and Emission Intensity based on the Standard Purchaser Price" (issued by the National Institute for Environmental Studies) per purchased item.

For items for which we are unable to separate transportation costs from the purchase prices, the quantity of emissions including transportation is not tallied under Category 4 "$CO_2$ emissions during transport from primary suppliers to our company," but such emissions are included in Category 1 emissions for calculation.

#### Quantity of $CO_2$ emissions during product usage ≪ Scope3, Category 11 ≫

The amount of $CO_2$ emissions during product usage is calculated by multiplying the emissions coefficients from the World category in "IEA Emissions Factors" against the lifetime electricity consumption of products on the market this fiscal year. The amount of $CO_2$ emissions during product use is calculated according to the following formula.

**Numbers of units sold × Electricity consumption at operation × Annual hours of operation × Years used × $CO_2$ emissions coefficient**

Among the semiconductor testing devices sold by the Advantest Group, $CO_2$ emissions calculations are for the SoC test systems and memory test systems.

The lifetime electricity consumption quantity assumes each product is used for 10 years, and calculations are performed by multiplying the amount of electricity consumed based on the product specification calculations for the target system against the number of units sold for the relevant product.

## Scope3 calculation summary

| | Category classification | Calculation summary |
|---|---|---|
| Category1 | Purchased products and services | The quantity of emissions of some datacenter usage, along with emissions from the resource collection stage up to the manufacturing stage for raw materials/ components sold by the Advantest Group and its purchased items |
| Category2 | Capital goods | Emissions from manufacturing facilities, etc. in which the Advantest Group has invested |
| Category3 | Fuel- and energy-related activities (not included in scope 1 or scope 2) | Emissions accompanying the procurement of fuel and energy used at Advantest Group business facilities |
| Category4 | Upstream transportation and distribution | Emissions accompanying the transport of procured components and purchased products by the Advantest Group, and those accompanying the storage of such products |
| Category5 | Waste generated in operations | Emissions accompanying the treatment of waste generated at business facilities of the Advantest Group |
| Category6 | Business travel | Emissions due to business trips made by Advantest Group employees |
| Category7 | Employee commuting | Emissions due to commuting by Advantest Group employees |
| Category8 | Upstream leased assets | Emissions accompanying leased assets of the Advantest Group<br>* Excludes those calculated under Scope 2 |
| Category9 | Downstream transportation and distribution | Emissions accompanying the transport of products sold by the Advantest Group |
| Category10 | Processing of sold products | (N/A) |
| Category11 | Use of sold products | Emissions accompanying electricity consumption due to use of Advantest Group products in customer businesses |
| Category12 | End-of-life treatment of sold products | Emissions accompanying the disposal of products sold by the Advantest Group |
| Category13 | Downstream leased assets | (N/A) |
| Category14 | Franchises | (N/A) |
| Category15 | Investments | (N/A) |

## Approach to and methods for data collection related to resources

### Quantity of waste generated

The total weight of industrial waste and general waste generated from business facilities.
The amount of waste generated in Japan is tabulated and disclosed as weight including valuable materials.

### Quantity of water used and discharged

| | |
|---|---|
| Quantity of water used | The quantity of water used at business facilities (drinking water, industrial water, and groundwater). The purchased quantity is substituted for drinking water and industrial water. |
| Quantity of water discharged | The quantity of water generated at business facilities discharged to sewage and public waters. For business facilities for which the amount of water discharged cannot be readily determined, the amount of water used is considered to be the amount of water discharged. |

## Approach to and methods for data collection for other environmental data

### Management of chemical substances

To ensure safe management of and compliance with laws and regulations on chemical substances, we implement registration, safety reviews, and control per bottle/package unit for chemical substances used in-house. Furthermore, SDSs, which are the foundation of chemical substance handling, are always available for viewing.

| | |
|---|---|
| Quantity of chemical substances handled | The quantity of chemical substances purchased and used at each business facility is monitored and calculated. |
| Quantity of chemical substances emissions/transfers | The quantity of chemical substances emitted/transferred due to operations is calculated by multiplying the handled amount by coefficients. |

### Quantity of water pollutant discharge (BOD, COD)

The quantity is calculated by multiplying the discharged water concentration by the discharged quantity. This applies to business facilities with legal or other requirements (such as contracts).

### Quantity of air pollutant emissions (NOx, SOx)

The quantity is calculated by multiplying the exhaust concentration by the exhaust quantity. This applies to business facilities with legal or other requirements (such as contracts).

# Third-Party Assurance

## Third-party assurance

Third-party assurance has been obtained from Ernst & Young ShinNihon LLC to ensure increased reliability of selected social and environmental performance indicators included in the ESG Data.

Please click "here" to view the "ESG Data Book".

Independent Assurance Report