

Environmental Data for Principal Companies in 2023*¹

Company / Location	Business	Input	Outputs				
		Use of Water Resources	Volume of Waste Generated	Recycling Rate	Emissions of PRTR Substances* ²	Greenhouse Gas Emissions* ³	
		Thousand m ³	Thousand t	%	t	Scope 1+2	Scope 3* ⁴
Nisshinbo Holdings Inc. / Tokyo, other	Holding company	14	0.1	98%	0.0	3.7	36.6
Japan Radio Co., Ltd. / Tokyo, other	Wireless and Communications	38	1.0	93%	0.0	5.0	149.6
Japan Radio Glass Co., Ltd. / Saitama	Glass products	13	0.6	98%	0.0	4.3	8.5
Nagano Japan Radio Co., Ltd. / Nagano, other	Electrical and Electronics	208	0.5	100%	0.0	3.5	5.5
NJ Components Co., Ltd. / Tokyo, other	Electrical and Electronics	25	0.1	100%	0.0	4.0	0.7
Nisshinbo Micro Devices Inc. / Tokyo, other	Micro Devices	706	1.0	100%	0.0	87.9	34.7
Nisshinbo Micro Devices AT Co., Ltd. / Saga	Micro Devices	136	0.1	98%	0.0	13.8	2.5
Nisshinbo Micro Devices (Thailand) Co., Ltd. / Thailand	Micro Devices	181	0.3	80%	0.0	11.2	13.9
Nisshinbo Micro Devices Fukuoka Co., Ltd. / Fukuoka	Micro Devices	187	0.3	100%	0.0	24.5	3.0
Nisshinbo Brake Inc. / Tokyo, other	Automobile Brakes	88	1.6	100%	0.1	13.7	21.0
TMD Friction Group S.A. / Luxembourg, other	Automobile Brakes	84	19.9	82%	1.5	31.1	789.0
Nisshinbo Somboon Automotive Co., Ltd. / Thailand	Automobile Brakes	11	0.5	97%	0.1	4.6	6.5
Saeron Automotive Corporation / Republic of Korea	Automobile Brakes	61	1.0	72%	1.4	15.9	58.9
Nisshinbo Automotive Manufacturing Inc. / the United States	Automobile Brakes	29	1.3	24%	0.1	11.6	19.5
Saeron Automotive (Beijing) Co., Ltd. / China	Automobile Brakes	17	0.2	86%	0.0	3.8	0.6
Nisshinbo Saeron (Changshu) Automotive Co., Ltd. / China	Automobile Brakes	25	0.6	54%	0.0	8.2	13.8
Saeron Automotive Yantai Co., Ltd. / China	Automobile Brakes	17	0.3	95%	0.5	8.4	13.5
Nisshinbo Mechatronics Inc. / Tokyo, other	Precision Instruments	40	0.5	99%	5.4	3.9	193.1
Nanbu Plastics Co., Ltd. / Shizuoka, other	Precision Instruments	363	1.5	98%	1.6	10.7	23.5
Nisshinbo Mechatronics (Thailand) Ltd. / Thailand	Precision Instruments	40	1.4	95%	0.0	7.8	12.0
Nisshinbo-Continental Precision Machining (Yangzhou) Co., Ltd. / China	Precision Instruments	61	5.6	96%	0.0	26.7	76.3
Toms Manufacturing Corporation / Philippines	Precision Instruments	29	0.5	95%	2.5	4.1	2.4
Nisshinbo Chemical Inc. / Tokyo, other	Chemicals	92	0.3	91%	1.0	4.9	33.1
Nisshinbo Textile Inc. / Tokyo, other	Textiles	2,602	0.1	96%	0.0	7.8	29.7
PT. Nisshinbo Indonesia / Indonesia	Textiles	681	4.8	98%	1.0	23.2	25.5
Total for 25 principal companies		5,745	44.2	87%	15.4	344.1	1,573.6
Total for others		495	8.2	94%	5.9	24.4	340.9
Nisshinbo Group Grand Total		6,240	52.4	88%	21.3	368.5	1,914.5

TMD FRICTION GROUP S.A. ("TMD") and 21 other companies were excluded from the scope of consolidation due to the transfer of all shares of TMD, a subsidiary in the Automobile Brakes business, on November 30, 2023. Therefore, TMD and 21 other companies are included in the data until November 2023.

On December 27, 2023, HVJ Holdings, Inc. and Hitachi Kokusai Electric Inc. that is a subsidiary of HVJ Holdings, Inc. and seven other companies were included in the scope of consolidation, but are not included in the data for FY2023.

- *1 The above companies are identified as those that emitted 3.5 thousand t-CO₂ or more greenhouse gases (Scope 1+2).
- *2 PRTR Substances: Substances subject to the Pollutant Release and Transfer Register (PRTR) system pursuant to the "Act on the Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof" and reports of their amounts of release and transfer must be filed.
- *3 Greenhouse Gas Emissions
- Scope1:

$$\text{Energy related Greenhouse Gas Emissions} = \Sigma [\text{Fuel Consumption} \times \text{CO}_2 \text{ Emission Factor}]^{*3-1}$$

$$\text{Non-Energy related Greenhouse Gas Emissions} = \text{Non-Energy related CO}_2 \text{ Emissions} + \Sigma [\text{Greenhouse Gas Emissions other than CO}_2 \times \text{Global Warming Potential}]^{*3-2}$$

*3-1 Emission factors based on the Act on Promotion of Global Warming Countermeasures are used. Coal, however, uses a factor calculated based on actual calorific values.

*3-2 Global warming potential based on the Act on Promotion of Global Warming Countermeasures.
 - Scope2:

$$\text{Energy-related Greenhouse Gas Emissions} = \Sigma [\text{Purchased Electricity and Purchased Steam Volume} \times \text{CO}_2 \text{ Emission Factor}]^{*3-3}$$

*3-3 Purchased electricity uses, in Japan, adjusted emission factors for each electric company based on the Act on Promotion of Global Warming Countermeasures, and the in foreign countries, the emission factors for each electric company, and if unavailable, the latest country-specific emission factors of IEA Emissions Factors. Purchased steam uses emission factors based on the Act on Promotion of Global Warming Countermeasures.
- *4 Scope 3 figures are from calculation of all of the categories summarized below. Calculations are based on the Basic Guidelines Related to Calculating Greenhouse Gas Emissions throughout the Supply Chain (ver. 2.6), Ministry of the Environment. Some information is taken from LCA results.

Scope 3 Detailed emission data by category

Category	Category Name	Amount Released (Thousand t-CO ₂)	Ratio (%)
1	Purchased goods and services	1368.6	71.5
2	Capital goods	101.8	5.3
3	Fuel- and energy-related activities not	62.1	3.2
4	Upstream transport and delivery	30.9	1.6
5	Waste generated in operations	7.6	0.4
6	Business travel	3.2	0.2
7	Employee commuting	10.4	0.5
8	Leased assets (upstream)	2.7	0.1
9	Downstream transportation and delivery	79.9	4.2
10	Processing of sold products	24.6	1.3
11	Use of sold products	179.7	9.4
12	End-of-life treatment of sold products	15.5	0.8
13	Downstream Leased Assets	14.6	0.8
14	Franchises	0.0	0.0
15	Investments	12.7	0.7
Total		1914.5	100.0