

## Environmental Data for Principal Companies in 2021\*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 <sup>3</sup>	Thousand t	%	t	Scope 1&2	Scope 3*4
Nisshinbo Holdings Inc. / Tokyo, other	Holding company	14	0.2	98	0.0	4.0	35.2
Japan Radio Co., Ltd. / Tokyo, other	Wireless and Communications	27	1.4	92	0.0	4.6	94.3
Japan Radio Glass Co., Ltd. / Saitama	Glass products	14	0.6	100	0.0	4.9	8.3
NJ Components Co., Ltd. / Tokyo, other	Electrical and Electronics	38	0.1	100	0.0	4.6	2.0
New Japan Radio Co., Ltd. (the present Nisshinbo Micro Device Inc.) / Tokyo, other	Micro Devices	550	0.2	100	0.0	35.2	13.9
Ricoh Electronic Devices Co., Ltd. (the present Nisshinbo Micro Device Inc.) / Osaka, other	Micro Devices	198	0.6	100	0.0	64.0	12.0
SAGA ELECTRONICS Co., LTD. (the present Nisshinbo Micro Device Inc.) / Tokyo, other	Micro Devices	140	0.1	99	0.0	13.1	2.3
THAI NJR CO., LTD. (the present Nisshinbo Micro Device Inc.) / Thailand	Micro Devices	170	0.4	71	0.0	12.4	14.6
NJR FUKUOKA CO., LTD. (the present Nisshinbo Micro Device Inc.) / Fukuoka	Micro Devices	193	0.3	107	0.0	33.6	3.4
Nisshinbo Brake Inc. / Tokyo, other	Automobile Brakes	80	1.9	100	0.1	16.9	37.4
TMD Friction Group S.A. / Luxembourg, other	Automobile Brakes	96	21.4	82	1.7	59.3	587.1
Nisshinbo Somboon Automotive Co., Ltd. / Thailand	Automobile Brakes	15	0.7	93	0.1	6.4	10.9
Saeron Automotive Corporation / Republic of Korea	Automobile Brakes	57	1.2	65	2.1	16.8	48.9
Nisshinbo Automotive Manufacturing Inc. / the United States	Automobile Brakes	32	1.1	40	0.2	8.9	21.2
Saeron Automotive (Beijing) Co., Ltd. / China	Automobile Brakes	23	0.2	91	0.0	6.4	5.9
Nisshinbo Saeron (Changshu) Automotive Co., Ltd. / China	Automobile Brakes	25	0.5	44	0.0	10.2	20.5
Saeron Automotive Yantai Co., Ltd. / China	Automobile Brakes	6	0.1	85	0.4	4.7	6.6
Nisshinbo Mechatronics Inc. / Tokyo, other	Precision Instruments	116	0.8	90	3.6	5.2	207.9
Nanbu Plastics Co., Ltd. / Shizuoka, other	Precision Instruments	401	1.5	98	2.5	11.8	34.3
Nisshinbo Mechatronics (Thailand) Ltd. / Thailand	Precision Instruments	48	1.4	95	0.0	9.4	13.9
Nisshinbo-Continental Precision Machining (Yangzhou) Co., Ltd. / China	Precision Instruments	66	4.0	89	0.0	21.1	56.2
Nisshinbo Chemical Inc. / Tokyo, other	Chemicals	106	0.4	94	0.1	6.5	32.1
Nisshinbo Textile Inc. / Tokyo, other	Textiles	3,153	0.3	98	0.0	9.7	15.7
PT. Nikawa Textile Industry / Indonesia	Textiles	374	5.9	98	0.0	140.8	37.5
PT. Nisshinbo Indonesia / Indonesia	Textiles	479	2.4	97	0.5	23.0	28.5
Total for 25 principal companies		6,422	47.7	87	11.3	533.5	1,350.7
Total for others		620	8.0	92	6.4	33.9	341.4
Nisshinbo Group Grand Total		7,042	55.7	88	17.7	567.4	1,692.1

\*1 The above companies are identified as those that emitted 4 thousand t-CO<sub>2</sub> 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:

$$\begin{aligned} \text{Energy related Greenhouse Gas Emissions} &= \sum [\text{Fuel Consumption} \times \text{CO}_2 \text{ Emission Factor}^{*3-1}] \\ \text{Non-Energy related Greenhouse Gas Emissions} &= \text{Non-Energy related CO}_2 \text{ Emissions} + \\ &\quad \sum [\text{Greenhouse Gas Emissions other than CO}_2 \times \text{Global Warming Potential}^{*3-2}] \end{aligned}$$

\*3-1 Emission factors based on the Act on Promotion of Global Warming Countermeasures are used. Coal, however, uses a factor (1.893 t-CO<sub>2</sub>/t) calculated based on actual calorific values.

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

• Scope2:

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

\*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. 3.2), 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 <sub>2</sub> )	Ratio (%)
1	Purchased goods and services	1,110.6	65.6
2	Capital goods	86.3	5.1
3	Fuel- and energy-related activities not included in Scope 1 or Scope 2	78.2	4.6
4	Upstream transport and delivery	37.6	2.2
5	Waste generated in operations	6.2	0.4
6	Business travel	3.3	0.2
7	Employee commuting	10.4	0.6
8	Leased assets (upstream)	4.8	0.3
9	Downstream transportation and delivery	41.8	2.5
10	Processing of sold products	27.1	1.6
11	Use of sold products	216.3	12.8
12	End-of-life treatment of sold products	34.7	2.0
13	Downstream Leased Assets	15.6	0.9
14	Franchises	0.0	0.0
15	Investments	19.0	1.1
Total		1,692.1	100.0