Mandom Group Environmental Data by Production Site

Latest update: 8 June, 2026

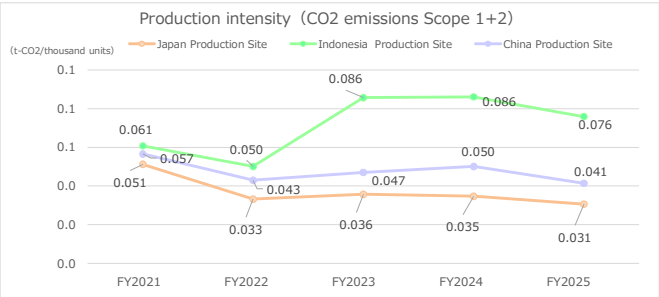
1: Aggregation Area: Japan (Production Site: Fukusaki Factory), Overseas (Production Sites: Indonesia Factory1･Factory2, China Zhongshan Factory)
2: Aggregation Period: Japan: April of the listed fiscal year to the following March, Overseas: January to December of the listed fiscal year

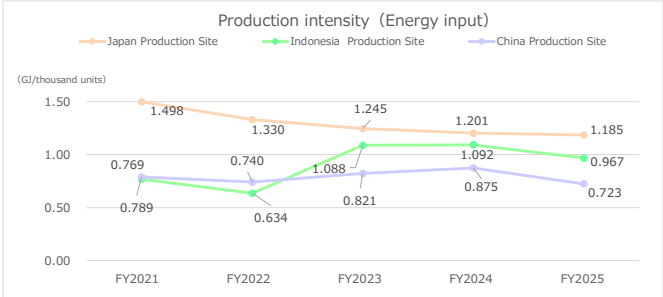
Production Site Overview

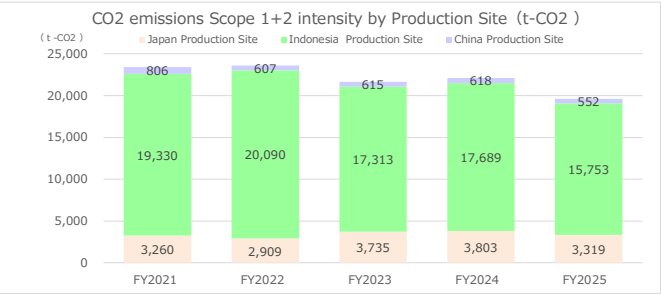
Country	Name of Factory	Site area (m²)	Floor area (m²)	Note
Japan	Fukusaki Factory	71,058	57,757	Exclude virtual area of automated rack warehouses (no floors on floors 2-5)
Indonesia	Head Office / Factory1	147,936	34,183	Only the head office division moved to Jakarta in August 2018.
	Factory2	54,442	39,884	
China	Zhongshan Factory	27,253	5,972	

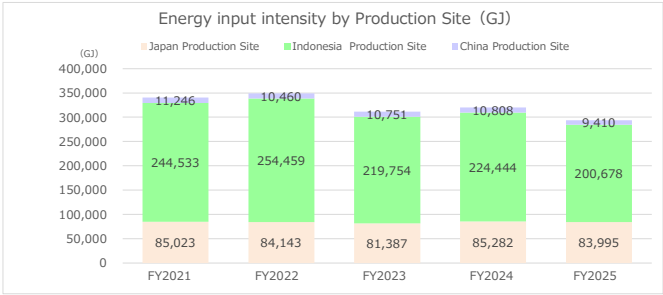
Eco-efficiency by Production Site (Production intensity index: Scope 1+2)

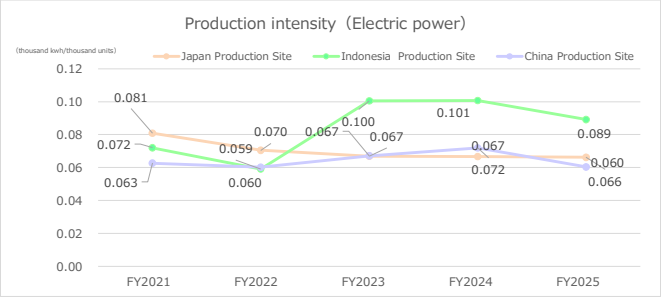
Country	Name of Factory		FY2021	FY2022	FY2023	FY2024	FY2025
Japan							
	Production Volume	thousand units	96,078	109,474	110,855	116,155	115,199
	CO2 emission (Scope 1, 2) intensity	t -CO2/million yen	0.034	0.027	0.034	0.033	0.029
	Energy input intensity	GJ/thousand units	0.885	0.769	0.734	0.734	0.729
	Electricity input intensity	thousand kwh/thousand units	0.081	0.070	0.067	0.067	0.066
	Water input intensity	m3/thousand units	0.692	0.583	0.585	0.567	0.563
Indonesia							
	Production Volume	thousand units	318,085	401,085	201,977	205,534	207,510
	CO2 emission (Scope 1, 2) intensity	t -CO2/million yen	0.061	0.050	0.086	0.086	0.076
	Energy input intensity	GJ/thousand units	0.769	0.634	1.088	1.092	0.967
	Electricity input intensity	thousand kwh/thousand units	0.072	0.059	0.100	0.101	0.089
	Water input intensity	m3/thousand units	0.521	0.628	0.850	0.898	0.739
China							
	Production Volume	thousand units	14,247	14,143	13,096	12,348	13,332
	CO2 emission (Scope 1, 2) intensity	t -CO2/million yen	0.057	0.043	0.047	0.050	0.041
	Energy input intensity	GJ/thousand units	0.789	0.740	0.821	0.875	0.723
	Electricity input intensity	thousand kwh/thousand units	0.063	0.060	0.067	0.072	0.060
	Water input intensity	m3/thousand units	0.905	0.752	0.871	0.942	0.771

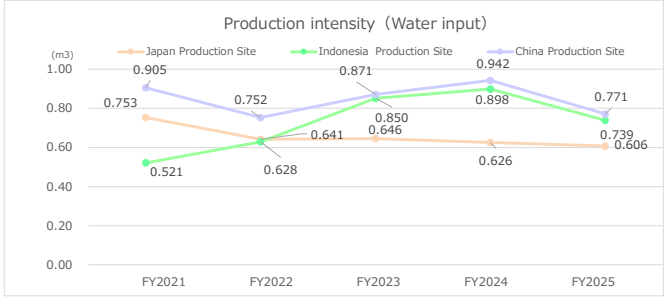


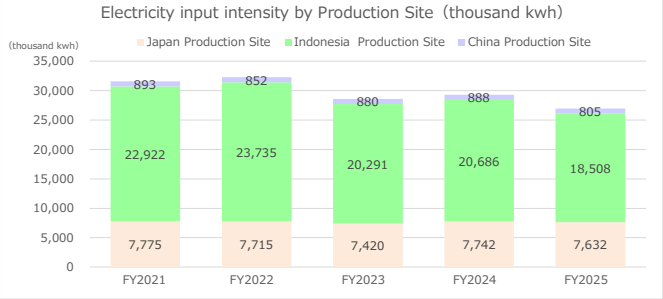


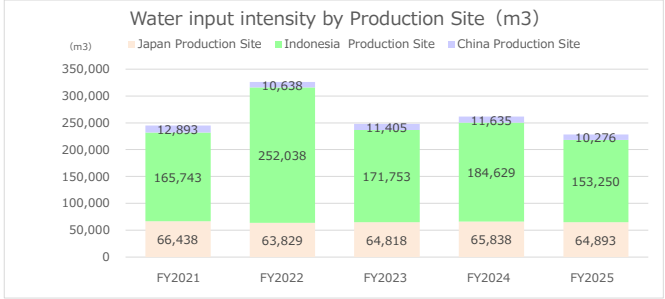












Individual Environmental Data by Production Site

INPUT （ Energy Input, Water Input and Raw materials in use ）

Reporting Content	Unit	Business Location / Category	FY2021	FY2022	FY2023	FY2024	FY2025
INPUT							
Energy Input	GJ	Total	340,801.6	349,061.5	311,892.2	320,534.5	294,084.1
		Japan Production Site	85,023.3	84,142.8	81,387.0	85,282.2	83,995.2
		Indonesia Production Site	244,532.8	254,458.5	219,753.9	224,444.2	200,678.4
		China Production Site	11,245.5	10,460.2	10,751.3	10,808.1	9,410.5
Electric Power Input	thousand kwh	Total	31,590.8	32,301.7	28,590.9	29,315.6	26,944.5
		Japan Production Site	7,774.8	7,714.5	7,420.0	7,741.7	7,631.6
		Indonesia Production Site	22,922.5	23,735.5	20,291.1	20,685.7	18,507.5
		China Production Site	893.5	851.7	879.8	888.2	805.5
Gas（LPG、LNG）	m3	Total	136,904.0	131,774.7	131,426.3	138,673.6	128,938.7
*Conversion coefficients（t/m3） 1t＝502m3		Japan Production Site	88,797.1	85,349.3	86,103.6	93,544.4	91,782.4
		Indonesia Production Site	1,656.6	1,794.1	1,606.4	1,405.6	1,706.8
		China Production Site	46,450.3	44,631.3	43,716.3	43,723.6	35,449.5
Gasoline	k l	Total	120.8	134.8	148.1	131.3	107.8
		Japan Production Site	0.4	0.4	0.7	0.3	0.4
		Indonesia Production Site	112.8	127.0	138.6	123.0	100.0
		China Production Site	7.6	7.4	8.9	8.0	7.4
Kerosene	k l	Total	0.0	0.0	0.0	0.0	0.0
		Japan Production Site	0.0	0.0	0.0	0.0	0.0
		Indonesia Production Site	0.0	0.0	0.0	0.0	0.0
		China Production Site	0.0	0.0	0.0	0.0	0.0
Gasoline	k l	Total	317.4	352.5	333.2	367.4	332.8
		Japan Production Site	0.0	0.0	0.0	0.0	0.0
		Indonesia Production Site	317.4	352.5	333.2	367.4	332.8
		China Production Site	0.0	0.0	0.0	0.0	0.0
Water input	m3	Total	245,074.0	326,505.0	247,976.3	262,102.1	228,419.1
		Japan Production Site	66,438.0	63,829.0	64,818.0	65,838.0	64,893.0
		Indonesia Production Site	165,743.0	252,038.0	171,753.3	184,629.1	153,250.1
		China Production Site	12,893.0	10,638.0	11,405.0	11,635.0	10,276.0
Raw materials used in products, etc.	t	Total	19,387.8	21,019.1	19,031.2	22,681.9	19,718.8
		Japan Production Site	7,575.0	8,022.2	8,153.3	10,838.2	10,397.5
		Indonesia Production Site	11,606.8	12,762.6	10,662.1	11,649.7	9,089.1
		China Production Site	206.0	234.3	215.8	194.0	232.2
Packaging and container materials	t	Total	6,314.8	7,410.5	7,667.5	8,191.7	7,758.0
		Japan Production Site	6,314.8	7,410.5	7,667.5	8,191.7	7,758.0
		Indonesia Production Site	0.0	0.0	0.0	0.0	0.0
		China Production Site	0.0	0.0	0.0	0.0	0.0

OUTPUT （ Energy Input, Water Effluent and Waste material ）

Reporting Content	Unit	Business Location / Category	FY2021	FY2022	FY2023	FY2024	FY2025
OUTPUT							
CO2 Emissions							
Scope 1＋2	t -CO2	Total	23,395.5	23,606.4	21,663.5	22,109.7	19,623.4
		Japan Production Site	3,259.5	2,909.2	3,735.4	3,802.5	3,318.6
		Indonesia Production Site	19,329.7	20,090.2	17,312.9	17,689.1	15,753.1
		China Production Site	806.2	607.0	615.1	618.1	551.7
Scope 1	t -CO2	Total	1,645.9	1,724.0	1,708.5	1,810.8	1,587.7
		Japan Production Site	530.6	510.0	515.1	558.8	548.4
		Indonesia Production Site	991.7	1,101.8	1,080.0	1,140.5	947.0
		China Production Site	123.6	112.2	113.4	111.5	92.3
Scope 2	t -CO2	Total	21,749.6	21,882.4	19,954.9	20,298.9	18,035.6
		Japan Production Site	2,729.0	2,399.2	3,220.3	3,243.8	2,770.3
		Indonesia Production Site	18,338.0	18,988.4	16,232.9	16,548.5	14,806.0
		China Production Site	682.6	494.8	501.7	506.6	459.4
Water Effluent (*data not yet available)	m3	Total	27,534.6	24,421.6	24,609.9	24,600.1	24,385.0
		Japan Production Site	25,999.6	23,078.6	22,967.9	23,358.1	23,291.0
		Indonesia Production Site	0.0	0.0	0.0	0.0	0.0
		China Production Site	1,535.0	1,343.0	1,642.0	1,242.0	1,094.0
Waste material	t	Total	5,007.1	4,577.0	4,507.0	4,855.9	4,057.5
		Japan Production Site	3,406.7	3,331.6	3,193.7	3,657.8	3,258.3
		Indonesia Production Site	1,574.6	1,212.2	1,294.1	1,180.3	775.6
		China Production Site	25.7	33.3	19.2	17.7	23.5
Final Disposal Amount	t	Total	764.3	792.9	765.0	767.0	397.4
		Japan Production Site	15.7	5.6	6.6	12.4	5.3
		Indonesia Production Site	728.1	754.0	739.2	741.4	370.2
		China Production Site	20.5	33.3	19.2	13.2	21.9
Resource Recovery Rate	%	Total	84.7%	82.7%	83.0%	84.2%	90.2%
		Japan Production Site	99.5%	99.8%	99.8%	99.7%	99.8%
		Indonesia Production Site	53.8%	37.8%	42.9%	37.2%	52.3%
		China Production Site	20.2%	0.0%	0.0%	25.4%	6.8%
Sulfur Oxide (SOx) Emissions (*data not yet available)	kg	Total	0.000	0.004	0.004	0.018	0.018
		Japan Production Site	0.000	0.000	0.000	0.000	0.000
		Indonesia Production Site	0.000	0.000	0.000	0.000	0.002
		China Production Site	0.000	0.004	0.004	0.018	0.016
Nitrogen Oxide (NOx) Emissions (*data not yet available)	kg	Total	0.000	0.052	0.052	0.047	0.070
		Japan Production Site	0.000	0.000	0.000	0.000	0.000
		Indonesia Production Site	0.000	0.000	0.000	0.000	0.036
		China Production Site	0.000	0.052	0.052	0.047	0.034
Dust Emissions (*data not yet available)	kg	Total	0.000	0.005	0.005	0.000	0.000
		Japan Production Site	0.000	0.000	0.000	0.000	0.000
		Indonesia Production Site	0.000	0.000	0.000	0.000	0.000
		China Production Site	0.000	0.005	0.005	0.000	0.000

Please note: The changes of CO2 emission coefficients

Business Location / Category			FY2021	FY2022	FY2023	FY2024	FY2025
CO2 Emission Coefficients	Japan Production Site						
		Electric power emission coefficients	0.351	0.351	0.351	0.351	0.351
		Kerosene emission coefficients	-	-	-	-	-
		Gas emission coefficients	2.994	2.994	2.994	2.994	2.994
	Indonesia Production Site						
		Electric power emission coefficients	0.755	0.755	0.755	0.755	0.755
		Kerosene emission coefficients	2.580	2.580	2.580	2.580	2.580
		Gas emission coefficients	3.000	3.000	3.000	3.000	3.000
	China Production Site						
		Electric power emission coefficients	0.764	0.764	0.764	0.764	0.764
		Kerosene emission coefficients	2.580	2.580	2.580	2.580	2.580
		Gas emission coefficients	2.700	2.700	2.700	2.700	2.700

*Energy consumption calculated based on formulas in the Japanese Act on the Rational Use of Energy.

*Overseas CO2 emission coefficients by country are drawn from "CO_2 Emissions from Fuel Combustion: Highlights, 2013 Edition."
Source: IEA. Fiscal year CO_2 emission coefficients for Japan are based on data from individual electric power producers.

*All fuel coefficients other than electricity are drawn from the calorific value and emission coefficients in the Japanese