



# 2022 Environmental Report



SUSTAINABLE  
DEVELOPMENT  
GOALS



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## ■Organizations and Topics Covered

This report covers domestic and overseas subsidiaries, namely Makita Corporation, and covers the topic of environmental protection activities for FYE 2022.

## ■Period Covered

This report is based on the achievements of activities implemented in FYE 2022 (April 1, 2021, to March 31, 2022).

## ■Reporting Policy

Our company is engaged in a wide range of environmental protection activities, and this report mainly covers the themes of environmental protection activities that we are focusing our efforts on. In preparing this report, we tried to make sure that those who are not environmental experts will also be able to easily understand the overview of each theme, with the aim to enhance communication with all our stakeholders. In editing and designing the report, we made sure to use appropriate phrasing and colors, and ensured readability.

The company's environmental performance (achievement) data for the period coinciding with the company's fiscal year, which are aggregated as of March 31 every year, are analyzed and the results are published in June.

## ■Target Audience

All our stakeholders, including customers, business partners, employees, shareholders, local communities, and public institutions

## ■Publication and Announcement Media

This report is published in PDF format on our company's website and can be downloaded.

URL: <https://www.makita.biz/>

## ■Report Creation Department and Inquiries (If you have any opinions or comments about this report, please let us know.)

Makita Corporation Environment & Facility Control Division Environment Group Email: [kankyou@mj.makita.co.jp](mailto:kankyou@mj.makita.co.jp)

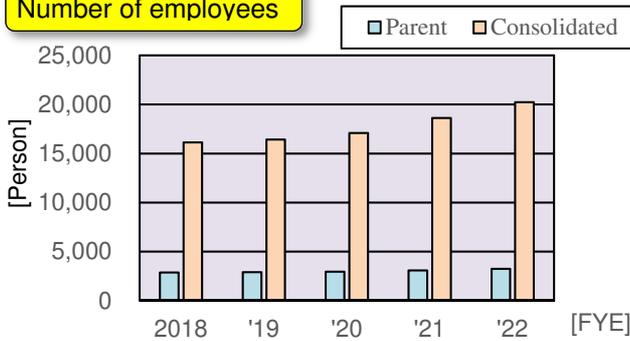
# Corporate Profile

Company Name	<b>Makita Corporation</b>
Head Office	3-11-8, Sumiyoshi-cho, Anjo, Aichi 446-8502, Japan Phone: +81-(0)566-98-1711 URL: <a href="https://www.makita.biz/">https://www.makita.biz/</a>
Date of Founding	March 21, 1915
Date of Incorporation	December 10, 1938
Revenue	¥739.3 billion (consolidated) ¥536.7 billion (Parent)
Profit Attributable to Owners of the Parent	¥64.8 billion (consolidated) ¥32.9 billion (Parent)
Paid-in Capital	¥24,206 million
Number of Employees	20,233 (consolidated) 3,245 (Parent)
Description of Business	Production and sales of electric power tools, outdoor power equipment, pneumatic tools and household equipment
Consolidated Subsidiaries	52 (Production subsidiaries 6, Sales and production subsidiary 1)

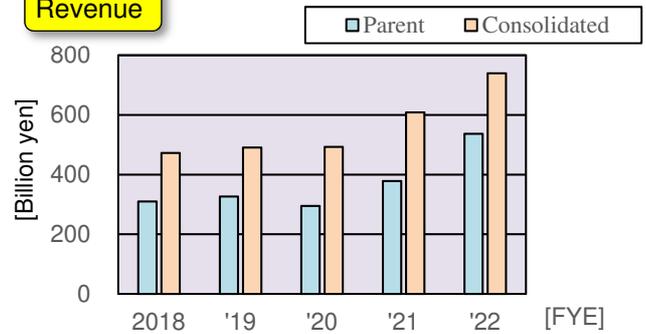
■Head Office



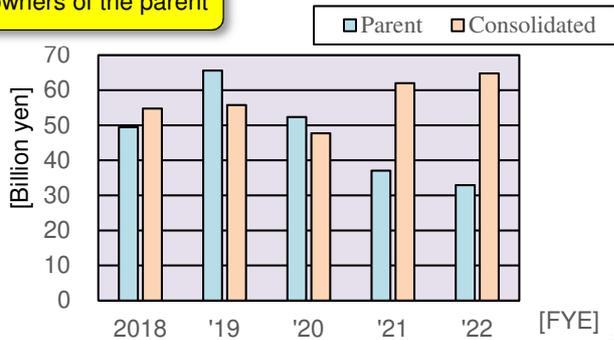
Number of employees



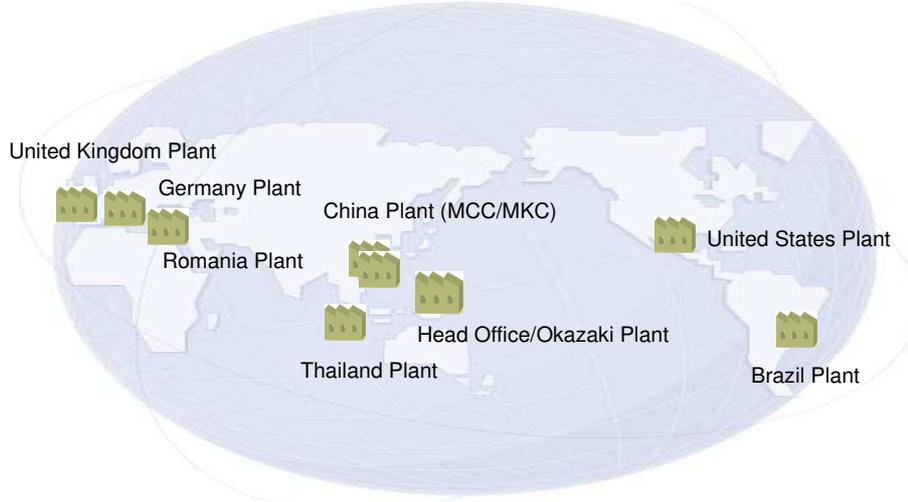
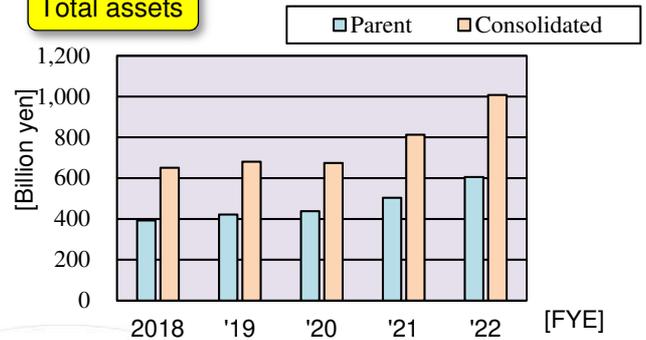
Revenue



Profit attributable to owners of the parent



Total assets



# Top Message

Aiming to create a “sustainable recycling-oriented society” that harmonizes the environment with the economy



Looking at the international economic situation during FYE 2022, while economic and social activities have been normalized, particularly in developed countries, in line with the rollout of the COVID-19 vaccine, the future remains uncertain due to shortages of goods and logistics disruptions in the supply chain, rising prices, the resurgence of infections caused by coronavirus mutations, and the growing international tension surrounding the Ukraine issue. Against this backdrop, our group focused its development efforts on expanding its lineup of cordless products, including power tools and outdoor power equipment, in the "40Vmax Lithium-ion Battery" series, which offers high power, long life and high durability. On the production side, we worked to increase production in response to increasing demand and to promote multi-polarized global production. On the sales side, we focused on increasing the level of the community-based and customer-oriented service framework in order to further strengthen trusting relationships with customers around the world. We strive to deepen and develop the market centered on cordless products.

Regarding initiatives toward carbon neutrality, the impact of climate change on society, such as frequent wind and flood disasters, is becoming more serious, and companies are playing an increasingly important role in realizing a decarbonized society. Our company views climate change as an important business issue. For this reason, our company has prioritized contributing to the solution of climate change issues by, for example, focusing on cordless outdoor power equipment that does not emit exhaust gas when used. However, in order to further accelerate these efforts, we have newly set targets for reducing greenhouse gas (GHG) emissions. Our targets are to reduce GHG emissions from our business activities (Scope 1, 2) by 50% from fiscal 2020 levels by fiscal 2030, to reach net zero emissions by fiscal 2040, and to achieve net zero GHG emissions throughout the supply chain (Scope 3) by fiscal 2050.

In addition, recognizing the importance of dialogue with stakeholders on climate-related risks and opportunities, we disclosed information on our company website for the first time based on the recommendations of the Task Force on Climate-related Financial Disclosures (TCFD). Going forward, in addition to energy conservation in our business activities, we will steadily promote initiatives to reduce GHG emissions, including the use of renewable energy, and work to enhance information disclosure.

“Environmental Report 2022” is published with the objective of presenting the Company’s initiatives for environmental protection activities. I hope this report helps your better understanding for our activities.

June 28, 2022

President, Representative Director  
**Munetoshi Goto**

# Environmental Management

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## Corporate Philosophy

### Management Policy/Quality Policy

1. Makita strives to exist in harmony with society (a company that observes laws and regulations, acts ethically and never allows intervention of the anti-social organizations).
2. Makita values its customers (a market-driven company).
3. Makita is managed in a consistent and proactive manner (a company that strives to exist in perpetuity by adhering to a sound profit structure).
4. Valuing a stalwart corporate culture, Makita encourages each individual to perform to his or her highest level (a happy company).

### Code of Ethics

1. Honest and ethical conduct; no conflict of interest
2. Compliance with applicable laws and regulations
3. Full, fair, timely and understandable disclosure
4. Accountability for adhering to this Code
5. Enforcement mechanism
6. Approval for waiver of this Code

### Code of Conduct

1. Am I acting in accordance with ethical guidelines? (Would I be unashamed in front of anyone?)
2. Am I looking at things from the customer's point of view rather than the company's point of view? (Am I leaning more towards the customer than my supervisor or my colleagues?)
3. Am I acting and thinking independently and taking on challenges? (Am I caught up in past experiences and successes?)
4. Am I persistently improving and innovating technology? (Is there a reason we have to do it this way?)
5. When I am on site, do I respect the opinions there? (Do I accurately gather information and communicate adequately?)

### Long term Target: Strong Company

Makita has set itself the goal of contributing to the creation of sustainable society and consolidating a strong position in the industry worldwide as a global supplier of a comprehensive range of tools for creating comfortable homes and living environments, including cordless power tools, battery-operated outdoor power equipment and pneumatic tools.

## Basic Policy on Sustainability

1. As a global supplier of a comprehensive range of tools for creating comfortable homes and living environments, Makita will focus on solving environmental problems and other social issues through our main business, and work to achieve a sustainable society.
2. Makita aims to develop in harmony with society, by promoting corporate ethics and compliance, respect for human rights, protection of the environment, quality assurance, responsible procurement activities, etc. In particular, we consider carbon neutrality and other environmental problems to be issues of the highest importance.
3. Makita will engage in highly fair and transparent corporate management, thereby building strong relationships of trust with all our stakeholders.

## Our Commitment to SDGs

SDGs stands for Sustainable Development Goals. SDGs is a global initiative aimed at resolving social issues and creating a bright future, and it consists of 17 goals and 169 targets to be achieved by 2030.

Our company's environmental protection activities are related to some of the goals of the SDGs. Therefore, through our commitment to environmental protection activities, we will contribute achieving SDGs.



## Initiatives for the TCFD Recommendations

As the effects of climate change on society, such as high winds and flooding, increase in frequency and severity, the role of companies in achieving decarbonization is becoming more important. Accordingly, we view climate change issues as a high-priority management challenge.

To this end, we are focusing on cordless outdoor power equipment (OPE) that does not emit exhaust gas during use and are actively working to reduce greenhouse gas (GHG) emissions by striving to reach the goal of virtually eliminating GHG emissions from our operations by fiscal 2040 (FYE 2041)

Recognizing the importance of these efforts as well as engaging in dialogue with our stakeholders regarding the impact of climate-related risks and opportunities on our business and other activities, we endorsed the recommendations of the TCFD (Task Force on Climate-Related Financial Disclosures) in 2021

## Environmental Vision



The “Go Green” slogan symbolizes Makita’s commitment to continually providing new value as a comprehensive international supplier of tools. We hope to always remain as a company that maintains a steady eye on society, challenging ourselves to create a “sustainable recycling-oriented society” that harmonizes the environment with the economy.

## Environmental Policy

### Basic Principles

As a global supplier of a comprehensive range of tools for creating comfortable homes and living environments, Makita is aiming to conduct a wide range of environmental protection activities, in order to contribute to having sustainable society and conservation of biodiversity.

### Policies

1. Enforcement of environmental administrative structure  
To conduct our business in an environmentally and friendly way, we will organize our environmental administrative structure on a global scale.
2. Continuous improvement and pollution prevention  
Makita will endeavor to continuously improve the quality of environmental protection activities and prevent from pollution.
3. Compliance with applicable laws and regulations  
Makita will comply with applicable laws, regulations and standards concerning the environment. Moreover, Makita will take preventive action against environmental pollution, based on our environmental principle.
4. Establishment and review of objectives and aims  
Makita will endeavor to fully understand environmental impacts we may cause and periodically review

the environmental objectives and goals within the technically and economically possible range.

#### 5. Reduction of environmental burden

Makita endeavors to promote the following activities to reduce environmental burden.

- Reduction of green house gas (CO2) emissions by conservation of resources and energy.
- Reduction of industrial waste and promotion of waste reuse.
- Replacement from substance of environmental concern and emission control.
- Implementation of product assessment and development of environment-conscious products centered around cordless products at the stage of tool design and development

#### 6. Disclosure

Makita will make this environmental policy known to all of our employees through internal communication and will positively announce it to the public.

## Topics

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### ■Product Initiatives

#### Shifting from engine-powered to battery-powered

In the past, the majority of OPE (Outdoor Power Equipment) was engine powered. However, while that provides superior power and stamina, the environmental impact of exhaust emissions has been a major issue. In recent years, global warming, which is one of the most serious environmental problems, has drawn particular attention from society. Our company is focusing on cordless OPE that do not emit exhaust gas when used, and contribute to solving environmental problems, particularly global warming.

Our company will contribute to the realization of a decarbonized society in the future by utilizing our battery and motor technologies cultivated through the manufacture of power tools, and accelerating shifting from engine-powered to battery-powered products by proactively developing and expanding sales of cordless products whose usability is comparable to that of engine-powered products.

### ■Sustainability Committee Established

The role of corporations in achieving a decarbonized society is becoming increasingly important, and in 2021 we established a new Sustainability Committee chaired by the President to promote carbon neutrality. In addition to setting targets to reduce greenhouse gas emissions, we will proceed with promoting initiatives to reduce emissions, including the use of renewable energy.

### ■Promoting the Elimination of Plastic

Due to concern about global environmental pollution in the form of plastic waste in the oceans and amid social efforts to reduce single-use plastics usage, we are working to cut back on the volume of single-use plastics in our product packaging and thereby contribute to the realization of a sustainable society and the preservation of biodiversity. In addition to our existing efforts to simplify packaging, from FYE 2021, we have been reducing the use of plastic bags by devising internal materials and switching to environmentally friendly materials such as paper and biomass plastic bags. In FYE 2022, we will switch from plastic bags to biomass plastic bags, and domestic factories have gradually started switching to these materials from in July 2021. Overseas plants have also been progressively switching to biomass plastic bags, and the equivalent of 220 tons of plastic per year has been converted into biomass plastic bags. We plan to further promote the elimination of plastic in the future.

<Example of eliminating plastics>

Conventional approach: plastic bag  
(polyethylene) packaging



Current approach: packaging  
without plastic bags



■Our Commitment to Energy Conservation  
**Replacement of fluorescent lighting with LED fluorescent tubes**

We are replacing lights with LED fluorescent tubes in areas where large energy saving effect can be achieved. In FYE 2022, the annual power consumption of the Head Office and Okazaki Plant was cut by 72,300 kWh by replacing lights with LED fluorescent tubes.

[The photo shows the ceiling lighting of the office on the fourth floor of the Head Office]



■Environmental Initiatives of Sales Offices in Japan  
**Solar panels installed at sales offices**

Solar panels are being progressively installed at our branches and sales offices in Japan, and installation has been completed at several sales offices.

[The photo above shows the Gifu branch office]

[The photo on the bottom left shows the Kagoshima sales office, and the photo on the bottom right shows the Mobara sales office.]



■Environmental Initiatives of Overseas Plants  
**Solar panels installed at new plant in China**

We have plants in eight countries, and approximately 90% of our production volume is produced at our overseas locations. Solar panels were installed in a new plant built in China. We will actively install them in other plants in the future.



■Environmental Initiatives of Overseas Sales Companies  
**Installation of solar panels at a sales company**

**(Our sales subsidiary in Italy)**

Makita S.p.A (Italy) installed solar panels in 2021. Makita México S.A.de C.V. (Mexico) installed solar panels in 2022. We will actively install them in other overseas sales companies in the future.

[The photo shows Makita S.p.A]



**Use of geothermal heat for air conditioning**  
**(Our sales subsidiary in Germany)**

Makita Werkzeug GmbH (Germany) has completed construction of a geothermal heat pump in compliance with the new energy law in Germany, and the building, which was designed with energy conservation in mind, has a cooling and heating system that uses geothermal heat and lets in natural light. (Our sales subsidiary in the Netherlands is also making similar efforts.)

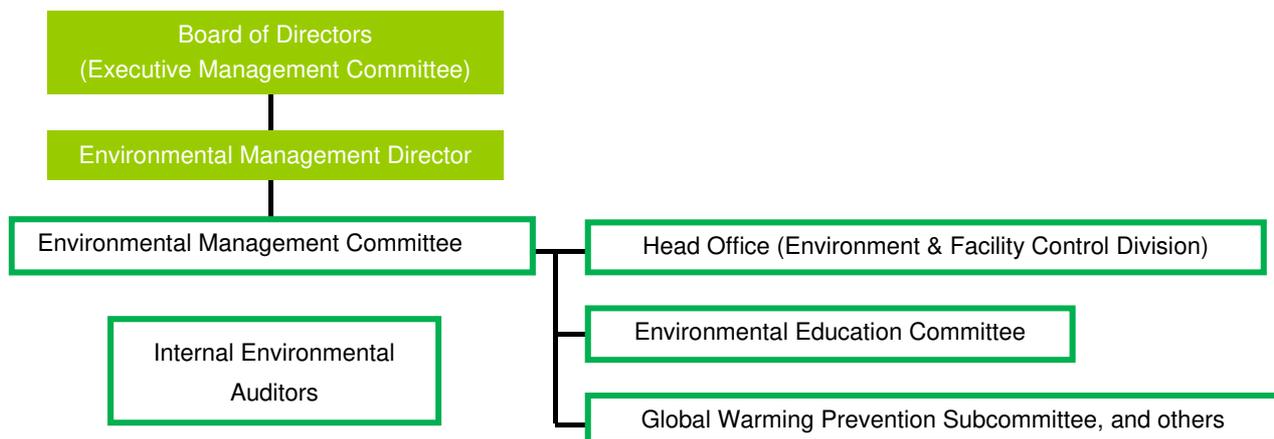


# Environmental Management System

## Environmental Management Promotion Framework

Recognizing environmental protection activities as a high-priority management challenge, we promote Environmental Management with the following framework.

We have the Environmental Management Committee as a body for deliberating and deciding on environmental protection activities. Environmental Management Director oversees this committee. We have also established one committee and five subcommittees under the umbrella of this committee, which promote specific environmental activities.



■ **Environmental Management Committee**  
The committee addresses Company-wide environmental targets and handles tasks ranging from policy and action discussions to recognition of activity outcomes.

■ **Environmental Education Committee**  
The committee plans environmental education for new employees / supervisors and reviews the texts for the education.

■ **Internal Environmental Auditors**  
The auditors check compliance with legal requirements, suitability of environmental management system, reduction of environmental risk, effective environmental impact reduction objectively. The audit is also useful for sharing the knowledge between departments.

## ISO14001

Makita has established and run its own environmental management system since 1998. For the purpose of leveraging that system as a tool for mitigating environmental burdens, our Head Office and Okazaki Plant first received ISO 14001 certification in 2007. In later years, our Nisshin Office and all of our overseas production bases received the certification and are now operating environmental management systems. We promote the protection of the environment at all of our business bases mentioned above and carry out activities, such as Internal Environmental Audits and environmental education, based on the requirements of the certification

### ■ ISO 14001 certification

All production bases have ISO 14001 certification. Except for production bases, Head Office and Nisshin Office in Japan have the certification.

JAPAN	AICHI	Head Office, Okazaki Plant, Nisshin Office
Overseas production bases	CHINA	Makita (China) Co., Ltd. / Makita (Kunshan) Co., Ltd.
	THAILAND	Makita Manufacturing (Thailand) Co., Ltd.
	UNITED STATES	Makita Corporation of America
	BRAZIL	Makita do Brasil Ferramentas Elétricas Ltda.

	UNITED KINGDOM	Makita Manufacturing Europe Ltd.
	GERMANY	Makita Engineering Germany GmbH
	ROMANIA	SC Makita EU SRL

## ■ Internal Environmental Audit

Internal environmental audits are conducted annually at all of the above ISO14001 certified bases (11 bases). We audit compliance of legal requirements, conformity of environmental management, and effectiveness in reducing environmental risks and environmental impact. Furthermore, audits serve to not only objectively audit departmental activities, but they are also useful for sharing knowhow among departments. Audit results are also reported to the president and other relevant parties.

## ■ Environmental Accounting

1) Target Period: April 1, 2021 ~ March 31, 2022) Scope: Head Office, Okazaki Plant, Nisshin Office

### ■ Environmental Conservation Cost

(Unit: thousand yen)

Category		Investment	Cost	Total	Key Activity
Business area costs	Pollution Prevention Cost	710	141,717	142,427	·Measurement of air and water quality, etc. ·Renewal of compressed air dryer
	Global Environmental Conservation	218,701	254,627	473,328	·Renewal of production and air conditioning equipment ·Change from fluorescent to LED ·Periodic inspection of equipment containing Freon
	Resource Circulation Cost	11,000	98,852	109,852	·Recycling and disposal of waste ·Renewal of production equipment
Upstream/Downstream Cost		-	29,272	29,272	·Collecting and recycling packages ·Collecting and recycling small secondary batteries
Administration Cost		-	77,577	77,577	·Environmental education ·Expenses for Environmental Group's activity ·Maintenance of green area in Office and Plant
R&D Cost		-	3,758,065	3,758,065	·Development of environmentally conscious products
Social Activity Cost		-	-	-	·Participation of community activity
Environmental Remediation Cost		-	-	-	·Restoration related to groundwater pollution and soil pollution
Total		230,411	4,360,110	4,590,521	

### ■ Environmental Conservation Benefit

Detail of Benefit		Amount of Benefit					Economic Benefit (Unit: thousand yen)
		Category	Unit	2021	2022	Difference	
Business area	Benefit Related to Resources Input into Business Activities	Energy consumption	kl	5,769	6,498	729	Reduction of energy consumption by energy saving activities 3,739 (Reduction)
		Water usage	m <sup>3</sup>	90,195	106,789	16,594	
	Benefit Related to Waste or Environmental Impact Originating from Business Activities	GHG emissions	t-CO <sub>2</sub>	10,023	10,624	601	Reduction of waste treatment due to resource saving and recycling 13,156 (Increased)
		Wastewater	m <sup>3</sup>	67,614	70,482	2,868	
		Waste emission (total waste generated)	t	1,460 (5,022)	1,909 (5,907)	449	
Upstream/Downstream	Benefit Related to Goods and Services Produced from Business Activities	Battery Recycling	t	30	31	1	-
other	Sale of valuables	Total volume	t	3,562	3,998	436	Revenue from sales of valuable resources generated from business activities 172,815 Total: 163,398

# Our Commitment to Creating Environmentally Conscious Products

## Development of Environmentally Conscious Products

### ■ Development of Products including New Environmental Technologies

We are working to reduce the size and weight of our products as a whole, as well as to increase their power and life by increasing the capacity of new technology motors (the DC brushless motor) and batteries, improving motor efficiency, and reducing the size and weight of power components that affect the mass of products. Furthermore, by utilizing our industry-leading battery charge and discharge technology and motor technology to promote manufacturing various rechargeable products (cordless and engineless products), we are contributing to improving user safety, convenience, and comfort, as well as reducing exhaust gas, noise, and fuel consumption. The 40Vmax series is one of the most important and powerful platforms for the future, which will further allow us to make various products cordless.

### ■ Publication of Product Environmental Data Sheets

Since FYE 2011, we have been publishing quantitative data of the environmental performance of each of our products (product weight, noise level, the percentage of reusability and recyclability, renewable rate, efficiency, etc.) on our website, in order to give a better understanding of the environmental performance of our products.

## Green Procurement

### ■ Supply Chain Management

In order to review the status of environmental activities of our suppliers, we conduct a questionnaire survey on environmental protection activities to our suppliers (e.g., to check whether they have acquired an environmental management system certification and review specific plants subject to laws and regulations).

### ■ Compliance with Overseas Environmental Laws and Regulations (RoHS, REACH)

Substances regulated by environmental laws and regulations are defined as Makita Prohibited and Controlled Chemical Substances. In order to ensure compliance with the European RoHS Directive, we control chemical substances to conform to the RoHS Directive.

In order to ensure compliance with the European REACH regulations, we continuously issue a survey to our suppliers to obtain information on chemical substance content because substances of very high concern (SVHC) are regularly added to the list.

#### Makita Prohibited and Controlled Chemical Substances

	No.	Substances	Threshold level	
Prohibited Chemical Substances	1	Lead and its compounds	1,000 ppm	
	2	Mercury and its compounds	1,000 ppm	
	3	Cadmium and its compounds	100 ppm	
	4	Hexavalent Chromium and its compounds	1,000 ppm	
	5	Polybrominated biphenyls (PBBs)	1,000 ppm	
	6	Polybrominated diphenyl Ethers (PBDEs)	1,000 ppm	
	7~10	Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP)	1,000 ppm (each substance)	
	11	Asbestos	Intentionally added	
	12	Poly chlorinated Biphenyls (PCBs)	Intentionally added	
	13	"Total of lead, mercury, cadmium, hexavalent chromium"	100 ppm for packaging material	
	14	Restricted substances in Annex XVII of EU REACH Regulation	Conditions of restriction is specified for each substance	
	Controlled Chemical Substances		SVHC in EU REACH Regulation	1,000 ppm

## Environmentally Conscious Products

We design all of our products with due consideration for the environment. This section introduces some of our new products launched in FYE 2022 that contribute to solving environmental problems, improving the working environment, and improving working efficiency.

Related SDGs



### 40Vmax Battery Line-up

Good balance between high power and longer-life of batteries by our unique new system (optimum power supply system and optimum charging system)

Cordless Impact Driver  
**TD002G**

The fastest fastening in Makita tools with the most suitable impact and increased number of impact by Dual Spring Technology (DST)



Cordless Circular Saw  
**HS011G**

One-shot cutting of thick material (max.97mm) by high power exceeding corded model



Cordless Recipro Saw  
**JR002G**

Cutting speed equivalent to or greater than corded model by orbital function and Extra-low vibration achieved by AVT(Anti vibration technology)



### 40Vmax & Shifting from Engine-powered Equipment

Shifting from engine-powered to battery-powered

Cordless Grass Trimmer  
**MUR012G**

High power equivalent to 40mL class engine model and compatible with a variety blades (chisel blade and shredder blade, etc.)



Cordless Chain Saw  
**MUC002G**

Chain speed equivalent to or greater than 30mL class engine model and suitable for continuous work by forced cooling of BL motor and controller



Cordless Power Cutter  
**CE001G**

Cutting speed exceeding 75.6mL class engine model and low vibration by built-in spring to absorb the vibration



### 40Vmax & Shifting to Cordless Products

Shifting from corded tool to battery-powered

Cordless Vacuum Cleaner  
**VC001G**

Excellent vacuum performance equivalent to corded model by improving cooling efficiency to keep high power of vacuum



### 40Vmax & Shifting to Air hose less Products

Shifting from air-powered to battery-powered

Cordless Dust Blower  
**AS001G**

Easy / powerful blowing and speedy inflating / deflating by good handling without compressed air hose



## Makita's Cordless Products that Contribute to Solving Social Issues

### ■ Solving the Labor Shortage and Improving the Working Environment

#### <Battery Powered Wheelbarrow>

Japan's agriculture is facing a serious labor shortage due to heavy labor and the aging population. It is said that 60% of agricultural work involves carrying tasks, and the wheelbarrow used for carrying loads strain the shoulders and back due to uneven surfaces. There are engine-powered transport vehicles, but you sometimes need to worry about the noise when using them early in the morning, and they take a long time to start up, need fuel (e.g., gasoline) to run, and generate exhaust gas emissions.

On the other hand, the CU180D cordless transport vehicle is powered by an 18V battery, which is a standard battery for other cordless tools. As it can be used in the same way as a wheelbarrow and is motor assisted, even elderly people and women can carry heavy loads with less power.



#### Related SDGs



#### < Battery Powered Pruning Shears>

For grape farms, pruning is an essential task to harvest delicious grapes every year. However, pruning manually with pruning scissors has a risk of tenosynovitis as it puts a major strain on hands and arms. The cordless pruning scissors are powered by an 18V battery, which is a standard battery for other cordless tools. The combination of the blade and the trigger makes it possible to prune trees and fruit trees in the same way as a pair of scissors. The scissors are lightweight at 0.8kg, reducing the strain on the hands and arms and increasing work speed.



### <Cordless Fan Jacket>

Due to global warming, extremely hot days are increasing, and working in a hot environment increases strain on the body and the risk of heat stroke.

The cordless fan jacket is a jacket with small fans that circulate air through the jacket to dry sweat and cool the body with the heat of vaporization. This is an item for preventing heat and can be used in places like outdoors where air conditioners or fans cannot be used.

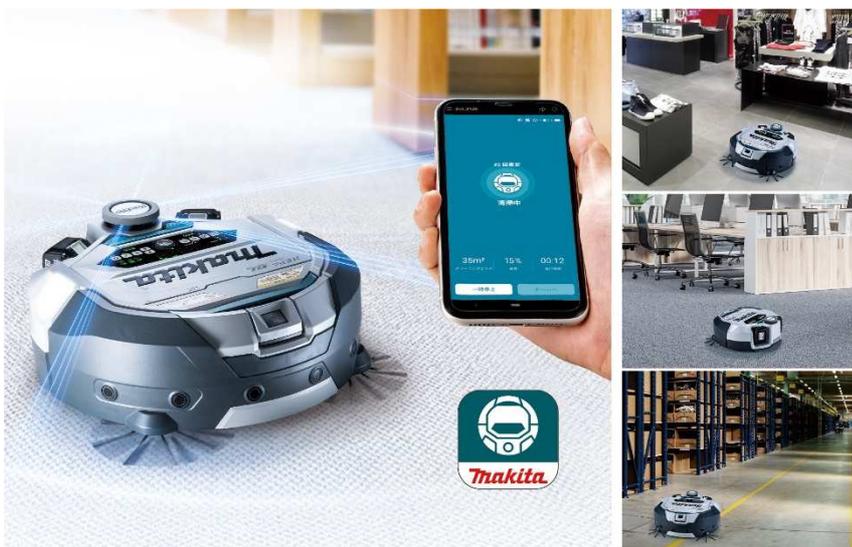
Related SDGs



### <Robotic Cleaner>

Cleaning large areas, such as offices, stores, and warehouses, requires manpower. In addition, in factories where manufacturing machines are lined up, there are many areas that cannot be cleaned manually unless the machines are stopped for safety.

The robotic cleaner can automatically clean areas that require cleaning by, for example, doing work that requires bending over, which puts a strain on the back, and in very large areas. There is no need to turn on lights for cleaning or stop machines because people do not go near the manufacturing machines.



## ■Disaster Preparedness

### < Disaster Prevention Combo Kit >

In recent years, due to frequent natural disasters caused by global warming, cordless products have attracted attention in terms of early recovery from disasters and disaster preparedness. Our disaster prevention combo kit, which is useful in case of a disaster, includes in the package a light needed in case of a power failure at night, a radio and a television to obtain correct information, and a battery and charger. It also includes a light that can charge a smartphone by connecting a USB cord.



#### Related SDGs



## ■Sustainable Society

### <Cordless Outdoor Power Equipment>

In the past, most chainsaws and mowers used outdoors were engine powered. Engine-powered products are powerful and can be used for many hours, but because they generate exhaust gas emissions and noise, there are time and locational constraints on using them, and they are not easy to use because they need gasoline. The cordless OPE is an environmentally friendly product for workers and the environment, including animals and plants, because it can be used just like an engine-powered product, is low noise, and does not generate exhaust gas emissions.

#### Related SDGs



# Environmental Action Plan and Achievements

## Environmental Performance

### Domestic Business Base

Category	major index	unit	*Office /Plant	FYE 2018	FYE 2019	FYE 2020	FYE 2021	FYE 2022	Related page
Energy consumption	Crude oil equivalent energy	kl	1	5,922	5,923	6,054	6,556	7,522	P.19
	Intensity (The value in FYE2010 is taken as 100)			80.3	77.9	75.5	80.7	75.1	
	Year - on - year reduction rate	-		6.1	3.1	3.0	-6.9	6.9	
	Transportation by ourselves	kl	3	768	797	792	847	941	-
	Intensity by ton-kilometer	kl/10 k* t*km		5.1	4.9	4.4	4.3	4.3	
Greenhouse gas	GHG emissions in offices and Plant	t-CO <sub>2</sub>	1	13,651	13,193	12,848	13,693	14,550	P.19
	Intensity per amount of sales	t-CO <sub>2</sub> /100 mil. yen		4.4	4.0	4.4	3.6	2.7	
Water consumption	Water Usage	m <sup>3</sup>	1	96,955	97,675	102,339	100,262	117,000	P.20
	Intensity per amount of sales	m <sup>3</sup> /100 mil. yen		31.3	29.9	34.7	26.5	21.8	
Chemical substances	PRTR law (handling amount)	kg	2	33,064	32,484	30,443	30,717	38,165	P.20
	PRTR law (release and transfer amount)	kg		21,039	23,491	20,577	20,612	25,824	
	Intensity per amount of sales	kg/100 mil. yen		6.8	7.2	7.0	5.5	4.8	
Waste	Total amount of waste generated	t	2	4,313	4,558	4,755	5,022	5,907	P.21
	Intensity per amount of sales	t/100 mil. yen		1.4	1.4	1.6	1.3	1.1	
	Final disposal amount	t		10.9	7.6	6.6	9.0	11.4	
	Recycling rate	%		99.8	99.8	99.9	99.8	99.8	

### Total of Overseas Plants

Category	major index	unit	*Office /Plant	FYE 2018	FYE 2019	FYE 2020	FYE 2021	FYE 2022	Related page
Greenhouse gas	GHG emissions	t-CO <sub>2</sub>	4	56,915	56,338	53,549	57,656	46,551	P.19
	Intensity per amount of sales	t-CO <sub>2</sub> /100 mil. yen		19.6	18.1	18.8	14.4	7.8	
Water consumption	Water Usage	m <sup>3</sup>		256,260	273,035	271,986	308,328	317,185	P.20
	Intensity per amount of sales	m <sup>3</sup> /100 mil. yen		88.0	87.5	95.2	76.8	52.8	
Chemical substances	Amount of chemical substances	t		266	258	244	311	380	-
	Intensity per amount of sales	kg/100 mil. yen		91.4	82.7	85.3	77.5	63.3	
Waste	Total amount of waste generated	t		18,627	17,295	19,504	24,289	29,957	P.21
	Intensity per amount of sales	t/100 mil. yen		6.4	5.5	6.8	6.1	5.0	
	Final disposal amount	t	1,101	922	1,054	758	1,399		
	Recycling rate	%	94.1	94.7	94.6	96.9	95.3		

### Total of Global

Category	major index	unit	*Office /Plant	FYE 2018	FYE 2019	FYE 2020	FYE 2021	FYE 2022	Related page
Greenhouse gas	GHG emissions (Scope 1, 2)	t-CO <sub>2</sub>	5				89,673	78,899	P.18
	Intensity per amount of sales	t-CO <sub>2</sub> /100 mil. yen					14.7	10.7	

\*Office/Plant 1: Domestic business base (Head Office, Okazaki Plant, Nisshin Office and Sales Offices)

2: Domestic business base (Head Office, Okazaki Plant and Nisshin Office)

3: Sales Offices 4: Overseas Plants 5: Domestic and Overseas business base

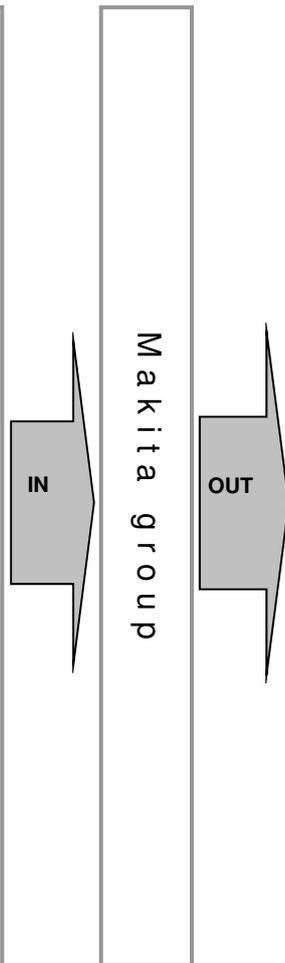
## Resource Input and Environmental Burden Emitted (Material Balance)

In order to engage in activities ranging from the development to production and sales of power tools, OPE, air tools, and household equipment, including those that are cordless, our company uses energy and water resources such as electricity and fuel, and resources as raw materials and parts (input), and discharges greenhouse gases (CO<sub>2</sub>), chemical substances, wastewater and waste (output). The table below shows the amount of energy and resources used, as well as the number of substances with environmental impact discharged in the process of our company's business activities, from development to recovery, and we use this data to promote environmentally conscious business activities.

### FYE 2022 achievements

#### RESOURCE INPUT

■Energy Consumption	
Electricity	128,811 MWh
Fuel	96,200 MWh
●Water Usage 434x10 <sup>3</sup> m <sup>3</sup>	
●Chemical Substances 1,157 t	
●Raw Materials	
Metal	42,684 t
Non-metal	549 t
●Parts	
Metal parts	18,482 t
Plastic parts	50,565 t
Electrical parts	16,999 t



#### ENVIRONMENTAL BURDEN EMITTED

■Total Production Volume 50.05 mil. Units	
■GHG Emissions 78,899 t-CO <sub>2</sub>	
●Wastewater 398 x10 <sup>3</sup> m <sup>3</sup>	
▲BOD* 3.0 mg/l	
●Chemical Substances (Release and Transfer Amount)	
Styrene	384 t
Xylene	6 t
Toluene	3 t
Ethylbenzene	4 t
◆Waste Emissions 35,864 t	
◆Final Disposal Amount 1,410 t	
▲Valuable Resources Generated 3,998 t	
▼Batteries Recycling 31 t	

Scope: ■Domestic and Overseas Business Base

- Domestic Business Base and Overseas Plants
- ◆Domestic and Overseas Plants
- ▼Domestic Business Base
- ▲Domestic Plants

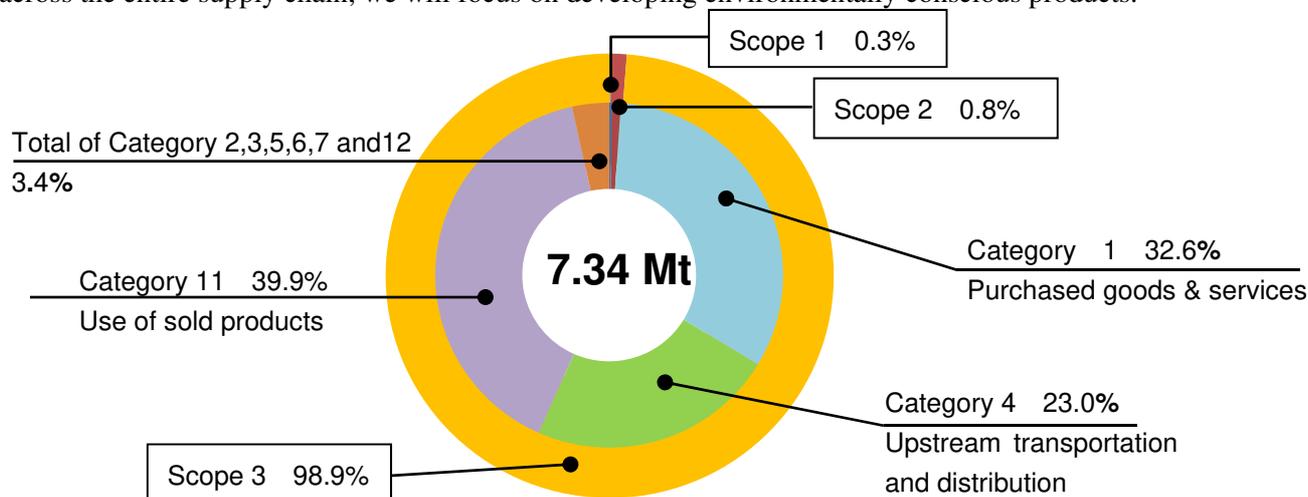
Regarding chemical substances, mixtures that contain Styrene, Xylene and Toluene are counted.  
Regarding raw materials and parts, items mainly used in processing and manufacturing at plants are counted.

\*Biochemical oxygen demand: One of the indicator of water pollution

## GHG Emissions throughout the Supply Chain

With reference to the international standards for calculating greenhouse gas emissions “GHG Protocol”, we calculated GHG emissions from our business activities (Scope 1 and 2) and GHG emissions from other companies related to our business activities (Scope 3).

As emissions in Category 11 (Use of Sold Products) account for approximately 40% of total emissions across the entire supply chain, we will focus on developing environmentally conscious products.



Categories	GHG Emissions in FYE2022		
	t-CO <sub>2</sub>	Remark	
Scope 1	20,930		
Scope 2	57,969		
Scope 3 Breakdown			
Category 1	Purchased goods & services	2,393,877	
Category 2	Capital goods	200,527	
Category 3	Fuel-and-energy-related activities not included in Scope 1 or Scope 2	12,866	
Category 4	Upstream transportation and distribution	1,687,024	
Category 5	Waste generated in operations	2,910	
Category 6	Business travel	409	
Category 7	Employee commuting	8,344	
Category 8	Upstream leased assets	-	This category does not apply to Makita business.
Category 9	Downstream transportation and distribution	-	This category does not apply to Makita business.
Category 10	Processing of sold products	-	This category does not apply to Makita business.
Category 11	Use of sold products	2,933,516	
Category 12	End of life treatment of sold products	25,180	
Category 13	Downstream leased assets	-	This category does not apply to Makita business.
Category 14	Franchises	-	This category does not apply to Makita business.
Category 15	Investments	-	This category does not apply to Makita business.

## FYE 2022 Achievements Based on Our Environmental Action Plan

In order to promote the four environmental impact reduction initiatives, which are set out in the Environmental Policy, namely preventing global warming, promoting waste reduction and recycling, substitution and emission control of substances with environmental impact, and providing environmentally conscious products, we implement activities based on the Environmental Action Plan.

### Environmental Action Plan

Target	Action	Achievement in FYE 2022
Preventing global warming (Reduction of GHG emissions)	Reduce company-wide energy consumption intensity by over 1% year on year	Energy consumption intensity decreased by 6.9% year on year.
Promoting waste reduction and recycling	Continue our company's slogan "Zero Waste, Zero Emissions." (Below the final disposal rate of 0.5%)	Below the final disposal rate of 0.19%
Substitution and emission control of substances with environmental impact	Promoting proper management of chemical substances	Continued necessary actions for EU RoHS Directive and EU REACH Regulation
Providing environmentally conscious products	Promote to shift to cordless and engineless	Promoted developing and expanding sales for environmentally friendly battery operated products

## Targets related to GHG Emissions

The Makita Group has set goals to reduce GHG emissions from its own business activities (Scope 1 and 2) to virtually zero by fiscal 2040 (FYE 2041) and from its entire supply chain (Scope 3) to virtually zero by fiscal 2050 (FYE 2051). The mid-term target for Scope 1 and 2 is to halve the fiscal 2020 (FYE 2021) level by fiscal 2030 (FYE 2031).

### Targets and results related to GHG emissions (t-CO<sub>2</sub>)

	Fiscal 2020 (FYE 2021) results	Fiscal 2021 (FYE 2022) results	Fiscal 2030 (FYE 2031) targets	Fiscal 2040 (FYE 2041) targets	Fiscal 2050 (FYE 2051) targets
Scope 1,2	89,673	78,899	44,836	Virtually zero	
Scope 3	6,006,569	7,264,652	---	---	Virtually zero

# Environmental Initiatives in Our Business Activities

Based on the fundamental principles of creating clean plants and environmentally friendly offices, and preserving the environment from a global perspective, our company not only complies with laws and regulations, but is also working to reduce the environmental impact of our business activities by reducing the use of energy and water resources, and the emissions of chemical substances and waste.

## Global Warming Prevention

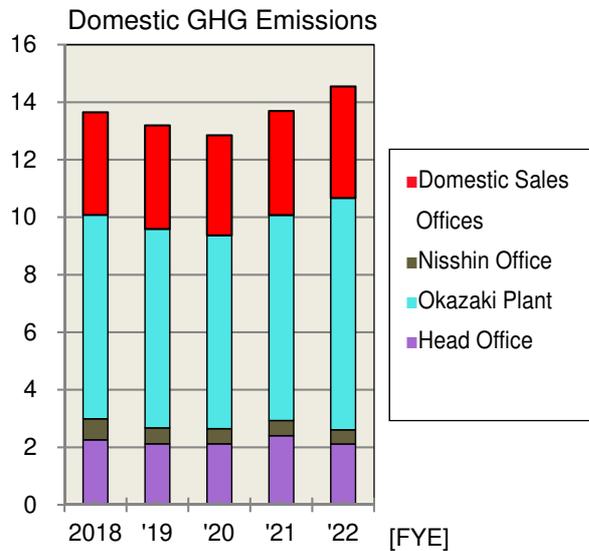
### GHG Emissions

Related SDGs

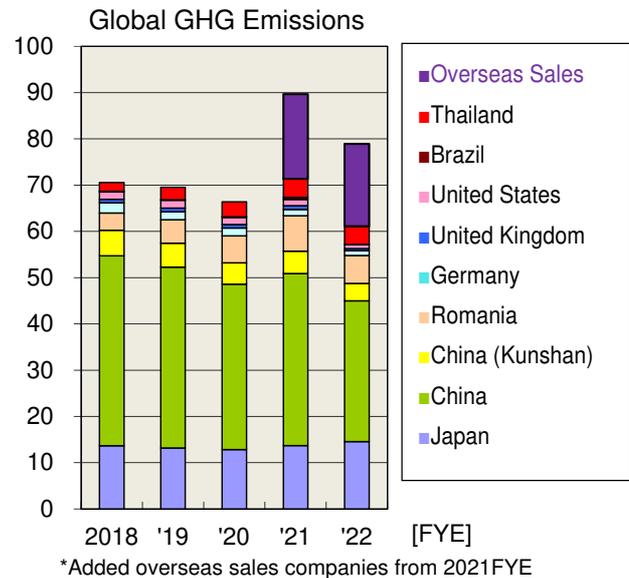


GHG emissions from all our domestic business bases increased by 6.3% year on year to 14,550 tons. On a global basis, GHG emissions decreased by 12.0% year on year to 78,899 tons. We reduce GHG emissions from its own business activities (Scope 1 and 2) to virtually zero by fiscal 2040 (FYE 2041).

[thousand t-CO<sub>2</sub>]



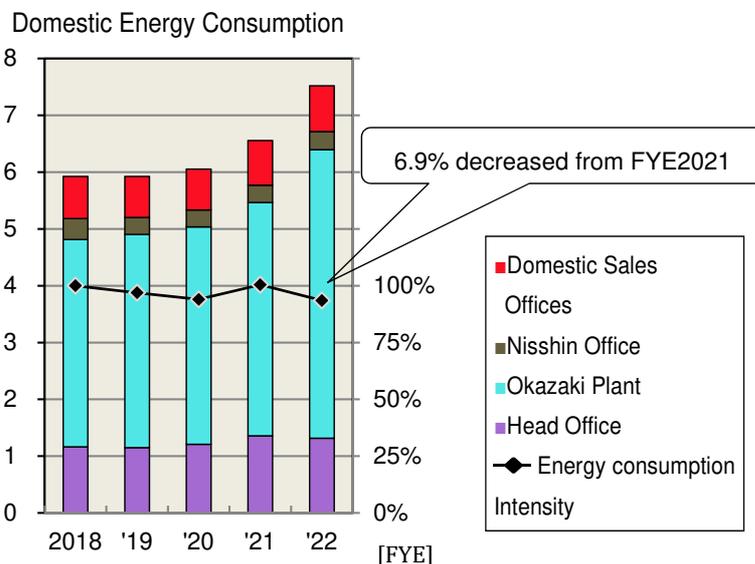
[thousand t-CO<sub>2</sub>]



### Total Energy Consumption

Total energy consumption by all our domestic business bases increased by 14.7% year on year to 7,522 kiloliters. Energy consumption intensity is decreasing in the long term. We reduce energy consumption systematically to achieve the reduction of 1% required by Energy Conservation Law in Japan.

[thousand kl]



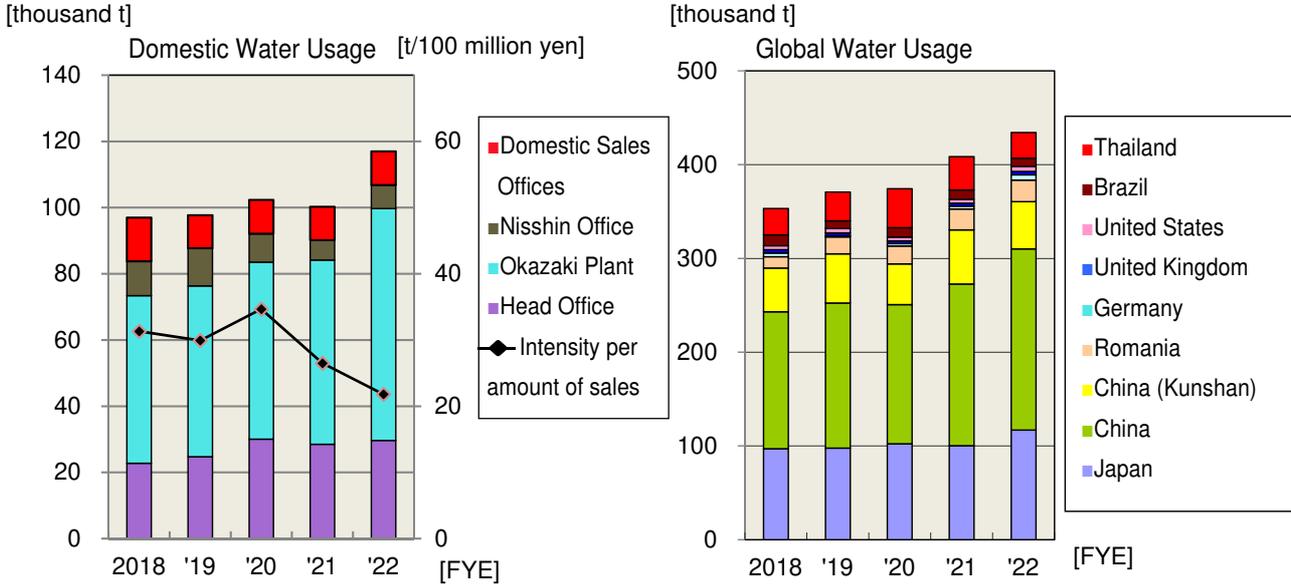
# Water Usage



Related SDGs

## Water Resource Input

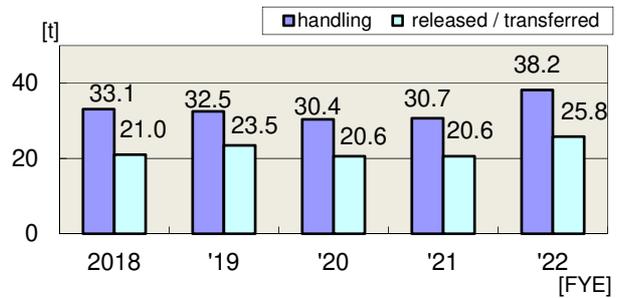
As for our domestic business bases, volume increased by 16.7% year on year to 117,000 tons. This is because water for cooling of air conditioners increased. On a global basis, volume increased by 6.3% to 434,185 tons.



# Management of Chemical Substances

## The Amount of Chemical Substances Released and Transferred

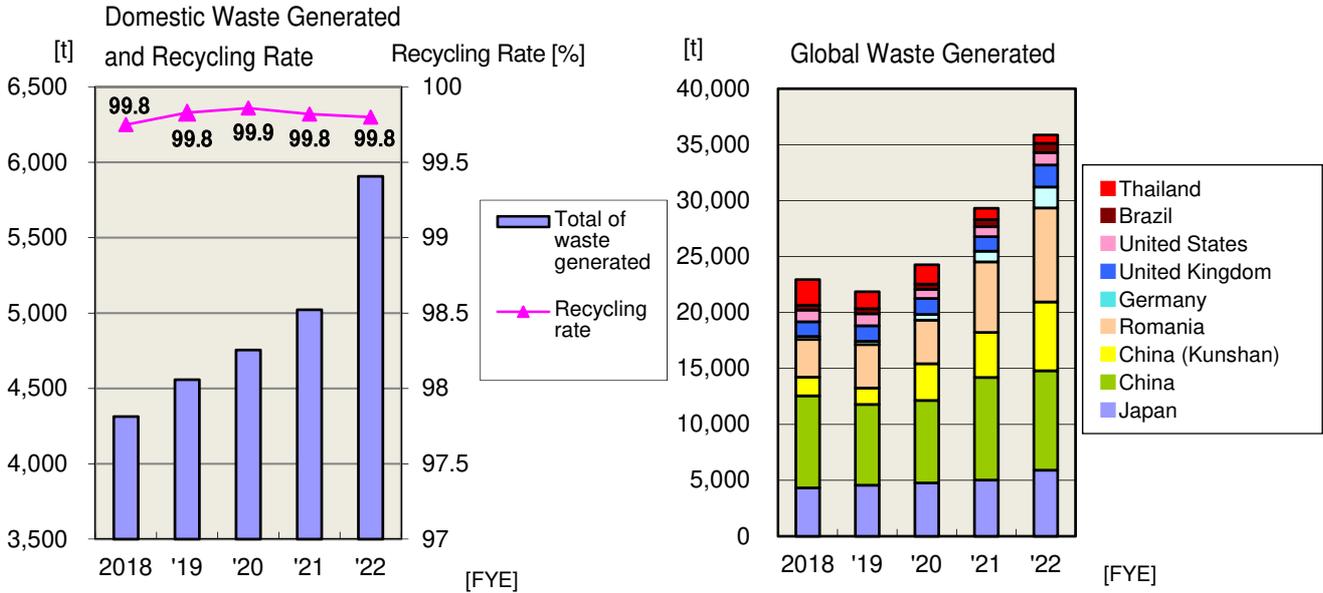
The graph on the right shows the trends in the handling amount and the released and transferred amount of Class I designated chemical substances (including specific designated chemical substances) designated by the PRTR law.



## Reduction of Emissions

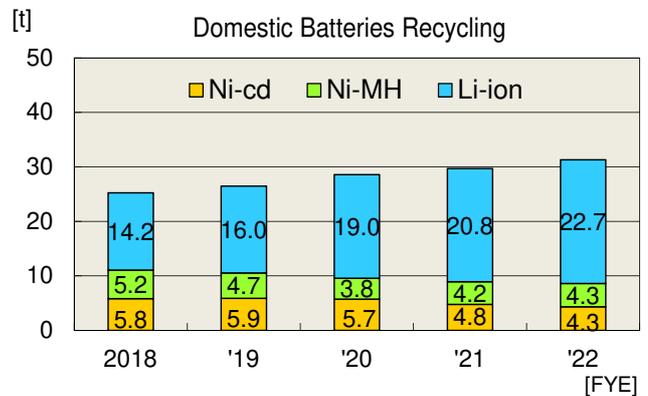
### ■The Total Volume of Waste Generated and Recycling Rate

The total volume of waste generated (final disposal amount and recycling amount) from our domestic business bases (Head Office, Okazaki Plant and Nisshin Office) is linked to business performance and shows an increasing trend. The recycling rate has consistently been below the final disposal rate of 0.5% (recycling rate of at least 99.5%), which is a target under our company’s slogan “Zero Waste, Zero Emissions.”



### ■Recycling of Small Secondary Batteries

Based on the Act on the Promotion of Effective Utilization of Resources, we, as a recycling member of JBRC (Japan Portable Rechargeable Battery Recycling Center), are voluntarily collecting and recycling small secondary batteries, and our 127 offices in total, which include 126 sales offices (as of March 31, 2022) and Head Office, are registered as collection points.



# Environmental Communication with Local Communities

## Social Contribution Activities for Local Communities

### ■Volunteer Cleanup Activities

At the Okazaki Plant, we clean the east side promenade of the plant site and the drainage ditch near the parking. We will continue to participate in local activities and actively engage in environmental protection activities.

Cleaning the east side promenade of the plant (May-2021)



Cleaning the drainage ditch of the plant (May-2021)



## Our Commitment to Preventing Environmental Risks

### ■Compliance with Environmental Regulations

In FYE 2022, there were no major revisions to environmental laws and regulations related to our company.

Our company complies with environmental laws and regulations.

We did not receive any environment-related complaints. In addition, there were no incidents with environmental risks.

### ■Voluntary Action Plan for Volatile Organic Compound (VOC)

Our company is making efforts to reduce VOC emissions based on the Voluntary Action Plan for VOC formulated by the four electrical and electronic industry associations. VOC emissions increased by 29.3% year on year but decreased by 29% from FYE 2011.

Related SDGs



VOC emissions

	2011	'20	'21	'22
Head Office	0.02	0.03	0.02	0.00
Okazaki Plant	39.57	21.46	21.75	28.14
Total	39.59	21.49	21.77	28.14

[FYE]

### ■PCB Waste Management and Handling

In FYE 2022, our company do not have any stored PCB (polychlorinated biphenyl) waste.

In the future, we will systematically dispose of low-concentration PCB-contaminated waste electrical equipment that is generated when transformers and other power receiving equipment are upgraded.

### ■Conservation of Biodiversity

Our company is committed to conserving biodiversity company-wide by incorporating the phrase “aiming to conduct a wide range of environmental protection activities, in order to contribute to conservation of biodiversity” in the basic principles of our Environmental Policy.

We basically believe that all our environmental activities, including those aimed at reducing the environmental impact of our business activities by, for example, preventing global warming and reducing waste, lead to the conservation of biodiversity, and we promote such activities. Specific examples of such activities include promoting the greening of plant sites and making our water quality standards on water discharged into public water area stricter than laws and ordinances.

In addition, the Okazaki Plant's new distribution building, completed in 2021, is planted with indigenous species such as benthamidia japonica, machilus thunbergii, prunus yedoensis, weeping cherry, rhododendron indicum, and podocarpus macrophyllus.

# Environmental History

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(Letter in Green; Our History of Approach on Environment)

- Mar 1915    Founded Makita Electric Works (proprietorship) in Nagoya City. Began selling and repairing lighting equipment, motors, and transformers.
- Dec 1938    Incorporated the proprietorship's business form and established Makita Electric Works, Inc.
- Apr 1945    Moved the plant, in an attempt to avoid air raid, to the current head office in Sumiyoshi-Cho, Anjo-City.
- Jan 1958    Started marketing portable electric planers, the first product in Japan.
- May 1962    Changed the trade name to Makita Electric Works, Ltd.
- Jul 1970    Established Makita U.S.A Inc.
- Jul 1970    Established a new facility, Okazaki plant.
- Jun 1981    Established Makita Brazil Ferramentas Elétricas Ltda., and started production.
- Sep 1984    Established Makita Corporation of America. (Plant in the U.S.A, started production from Jan.1985)
- Dec 1989    Established Makita Manufacturing Europe Ltd. (Plant in the U.K, started production from Jul.1991)
- Jan 1991    Acquired Sachs Dolmar GmbH, chain saw manufacturer. (Plant in Germany)
- Apr 1991    Changed the name to Makita Corporation.
- Apr 1992    Opened Nisshin Branch
- Apr 1992    Started collection of Ni-Cd batteries.
- Mar 1993    Settled on Makita's global environment charter. (This year is called Makita's environment first year.)
- Jul 1993    Held the first meeting on environment.
- Dec 1993    Established Makita (China) Co., Ltd. (MCC, plant in China, started production from Jul.1995)
- Dec 1993    Settled on Makita's environmental voluntary plan. (Started environmental activities such as ozonosphere protection, measures for controlling global warming and industrial waste and using effective resources.)
- Sep 1995    Established Makita Ichinomiya (MIC)
- Nov 1997    Explanation concerning approach on global environment to all the foreign subsidiaries at Makita world meeting.
- Apr 1998    Started Makita's Environmental Management System.
- Nov 1998    Settled an environmental meeting at Makita world meeting.
- Dec 1998    Issued the first environmental report.
- Jan 1999    Started environmental internal audit.
- Nov 2000    Established Makita (Kunshan) Co., Ltd. (MKC, plant in Kunshan, China, started production from Jun.2002)
- Mar 2002    Received the award for recycling from the organization about clean of Gwinnett County in Georgia (Plant in the U.S.A)
- Oct 2002    Started corresponding to WEEE, RoHS. (Environmental regulations in Europe)
- Apr 2003    Finished construction of new buildings of headquarters.
- Nov 2003    Received the gold award of Green Apple Award about wastes management (Plant in the U.K.)
- Apr 2004    Set up "special meeting for compliance with European environmental regulations."
- Jul 2004    To comply with European environmental regulation, the first XRF analysis device was brought.
- Oct 2005    Announced the establishment of plant in Romania. (MMR, which started production from April 2007)
- Jan 2006    Started "Makita World Meeting" about environment (Makita overseas plants and MIC participated)
- Jan 2006    Acquired nailer business from Kanematsu-NNK Corp.
- Feb 2006    Finished construction of new building in Okazaki plant.
- Jul 2006    Participated in "Team Minus 6%,"the national CO2 reduction campaign against global warming.
- Jul 2006    To add earthquake-proof construction, started rebuilding part of Okazaki plant.
- Feb 2007    Makita world meeting: held environmental meeting with foreign plants and MIC.

May 2007	Made Fuji Robin Industries Ltd. a consolidated subsidiary. (Changed the name to Makita Numazu Corp. or MNC)
Jun 2007	Finished rebuilding of Okazaki plant.
Jul 2007	Makita Corporation (headquarters and Okazaki plant) acquired ISO14001 certificate from BSI.
Dec 2007	Broke up Makita Ichinomiya (MIC) and merged the function with headquarters and Okazaki plant.
Jan 2008	Started operation of new buildings in headquarters.
Oct 2008	Finished construction of MBR second plant in Brazil.
Oct 2008	MMR (plant in Romania) acquired ISO14001 certificate from LRQA.
Nov 2008	MCC and MKC (plants in China) acquired ISO14001 certificate from CQC.
Jan 2009	Finished production in Makita Canada and merged with MCA in the U.S.A.
May 2009	Finished construction of new building for logistics dept. in Okazaki plant.
Jul 2009	MME (plant in the U.K.) acquired ISO14001 certificate from BSI.
Aug 2009	Closed Atsugi office and merged the function with the headquarters and Okazaki plant.
Oct 2009	Opened Tokyo Technical Center.
Dec 2009	MCA (plant in the U.S.A.) acquired ISO14001 certificate from UL.
Jan 2010	Dolmar (plant in Germany) acquired ISO14001 certificate from SGS.
Mar 2010	MBR (plant in Brazil) acquired ISO14001 certificate from BSI.
Jun 2010	Joined “Turn off the light” campaign for CO2 reduction in Japan
Oct 2010	Supported COP10 (Conference of the Parties) in Nagoya.
Mar 2011	Established Makita Manufacturing Thailand.
Apr 2013	Absorbed and merged Makita Numazu Corp.
Mar 2014	Closed Numazu office and merged the function with the headquarters and Okazaki plant.
May 2014	Started the rebuilding work for Okazaki plant “building-E” in order to boost the strength against earthquakes
May 2014	Started the demolition work and soil contamination investigation for former Numazu branch
Dec 2014	Completed the demolition work and soil improvement work for former Numazu branch
Mar 2015	100th anniversary of Makita Corporation
Aug 2015	Completed the rebuilding work for Okazaki plant “building-E”
Aug 2015	Completed the soil contamination investigation for former Numazu branch
Dec 2015	Completed the soil improvement work for former Numazu branch
Jan 2016	Started the groundwater monitoring for former Numazu branch
Sep 2016	Closed Tokyo Technical Center
Jan 2018	Completed the groundwater monitoring for former Numazu branch
Feb 2018	Completed the countermeasure based on the law regarding soil contamination for former Numazu branch
Feb 2018	Received the silver award of “Aichi Environmental Award 2018” in Japan for advanced environmental technology of Makita products
Feb 2018	MMT (plant in Thailand) acquired ISO14001 certificate from Bureau Veritas.
Mar 2019	Made Amadera Kuatsu Kogyo one of Makita group’s subsidiaries
Apr 2019	Started the construction work for new distribution building in Okazaki plant
Jul 2019	Completed the construction work for the expansion of the factory (Plant in Romania)
Jan 2020	Started the construction work for No.4 factory (Plant in China)
Oct 2020	Started the construction work for new “building-D” of Head Office in Japan
Oct 2020	Announced to discontinue the manufacture of engine products in March 2022
Dec 2020	Completed the construction work for new distribution building in Okazaki plant
Aug 2021	Established a Sustainability Committee in Head Office in Japan
Dec 2021	Completed the construction work for new distribution building in Germany plant Completed the construction work for No.4 factory (Plant in China)
Feb 2022	Completed the construction work for new “building-D” of Head Office in Japan







**Makita Corporation** Environment Group

3-11-8 Sumiyoshi-cho, Anjo, Aichi, 446-8502, Japan

Phone: +81-566-97-1710 Fax: +81-566-97-1735 E-mail: [kankyou@mj.makita.co.jp](mailto:kankyou@mj.makita.co.jp)