ENVIRONMENTAL REPORT 2022





Message from the President

Dynic Corporation promotes corporate activities covering the stages from development through to disposal of products, considering the environmental preservation at all times.

The corporate objective of Dynic is to color our day-to-day life *abundant* and *comfortable*.

The Dynic Group always takes care to follow the Environmental Basic Policy, which was established for the purpose of directing us to a habitable earth. We regard addressing the risks associated with biodiversity and climate change as an important issue, and we are working hard every day on environmentally friendly corporate activities in consideration of harmony between technology and the environment.

Our five plants in Japan have already engaged in activities toward carbon neutrality, such as the installation of energy-saving equipment and the promotion of the use of renewable energy. We will continue to strengthen these activities and promote product design and conservation activities considering biodiversity.

The Dynic Astropark Observatory, opened in 1987, continues activities to raise environmental awareness through astronomical observation events and planetarium screenings in cooperation with the town of Taga.

Our Group companies both in Japan and abroad are also continuously introducing energy-saving equipment and promoting biodiversity conservation initiatives.

To ensure that we continue to be a trusted company in the future, all our employees will work together as one to strengthen our efforts regarding environmental measures and undertake the development of environment-related products that take into consideration the global environment and living environments, promoting business activities that contribute to the realization of global environment preservation with our eyes towards the next generation.



Hidenobu Yamada President Dynic Corporation

August 2022

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Company Profile

Corporate Name	Dynic Corporation
Establishment	August 18, 1919
Capital	5,795,650,000 yen
Stock Listing	Standard Market of the Tokyo Stock Exchange
Amount of Sales	28.4billion yen (38.9 billion yen including Group companies) (As of June 28, 2022)
Employees	622(1,216 including Group companies) (As of June 28, 2022)
Head Office	Tokyo Head Office: Shin Onarimon Bldg., 6-17-19, Shimbashi, Minato-ku, Tokyo 105-0004 Tel: +81-3-5402-1811(main) Fax: +81-3-5402-3146
head office	Kyoto Head Office: 26 Daimon-cho, Nishikyogoku, Ukyo-ku, Kyoto 615-0812
Branch	Sapporo, Tokyo, Nagoya, Osaka, Fukuoka, Hong Kong, Singapore, U.S.A., Thailand, U.K., China, Indonesia, Czech (including Group companies)
Factory	Shiga, Saitama, Oji, Fuji, Moka, U.S.A., Thailand,U.K., China, Indonesia, Czech (including Group companies)
Affiliated Company	Seven companies in Japan; eleven companies in other countries
Business Line	Book-binding cloth, cloth for printing/business purposes, decorative cloth for packages, cloth for magnetic passbooks, film-coated products, material for display labels, composite film, printer ribbon, business card printers, stationary paper goods, magnet-related products, moisture getter for organic EL, carpet, wallpapers, ceiling material, blinds, non-woven cloth/carpets for automotive interiors, filters, industrial tarpaulins, canvases, rainwear, industrial non-woven cloth, aluminum foil/lid material for container sealing, paper core/paper packaging, film processing for cataplasm, freshness-keeping agents for food, adhesive interlining, fancy products, transportation/storage of products, etc. (including products of Group companies).

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As global warming and other global environmental issues become increasingly severe, continued efforts are required to achieve carbon neutrality and create a recycling-oriented society. Dynic Corporation has established the Basic Environmental Policy as described below and is committed to addressing environmental issues.

[Basic Environmental Policy of Dynic]

Dynic Corporation is aware the efforts toward environmental preservation are an important business challenge and believes it is the responsibility of the manufacturer to observe domestic and overseas laws and regulations related to the environment and provide products with less environmental burden to the markets. To implement the concept in a specific manner, we will thoroughly promote the following items in each of the stages, including development, material procurement, manufacturing, sales, distribution, and disposal.

- (1) We will strive to reduce the environmental burden and consider the conservation of biodiversity and other issues in all stages of our business activities throughout the life cycle of the products;
- (2) We will proactively make efforts to save energy and reduce waste, thereby preventing environmental contamination;
- (3) We will lower the risk caused by harmful chemical substances that damage the environment;
- (4) We will disclose information regarding our business activities related to the environment and proactively promote environment preservation activities, while acting in concert with local communities; and
- (5) We will implement education related to environmental preservation, thereby improving awareness of the environment.

Hidenobu Yamada, President Dynic Corporation

Efforts for Reducing Environmental Burden

We are introducing the manufacturing method that features less of an energy burden and implementing product design where resource saving and longer service life are taken into consideration; in addition, we consider materials that feature less of an environmental burden and materials that are easy to recycle from the design phase of the product. In the manufacturing phase, we make efforts to save energy and reduce waste in the manufacturing scene every day, thereby contributing to the reduction in the environmental burden. In the marketing phase, we propose environmentally friendly products that reduce the environmental burden at the customer by using the products, thereby making efforts to contribute to the environmental preservation of the earth.

Efforts for Countermeasures against Global Warming and Biodiversity Conservation

We are promoting countermeasures against global warming through our efforts for energy-saving activities throughout Dynic, thereby reducing emissions of carbon dioxide. In addition, regarding the biodiversity conservation, we are making efforts toward coexistence with the global environment through our activities toward risks, including countermeasures against global warming.

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We set the midterm objectives for environmental performance (FY2021 to FY2023) and are committed to promoting them.

The achievements in FY2021 are as follows:

FY2021 Environmental Objectives/Achievements List

Areas		11-24		FY2021	FY2022	Final		
		Unit	Objective	Achievement	Self -evaluation	Related page	objectives	of FY2023
Global warming	CO2 emissions reduction	t-CO2	Versus FY2013 8% reduction	-11.7%	\bigcirc	Ρ5	Versus FY2013 9% reduction	Versus FY2013 10% reduction
mitigation Energy saving	Reduction in specific energy consumption	L/km of oil equivalent	Versus FY2017 4% improvement	-2.3%	\bigtriangleup	Ρ5	Versus FY2017 5% improvement	Versus FY2017 6% improvement
Resource saving	Reduction in water consumption	1000 tons	Versus FY2017 4% reduction	+7.2%	×	P6	Versus FY2017 5% reduction	Versus FY2017 6% reduction
Reducing, reusing,	Waste volume reduction	t	Versus FY2017 4% reduction	-3.0%	\bigtriangleup	Ρ7	Versus FY2017 5% reduction	Versus FY2017 6% reduction
recycling of waste	Volume reduction of industrial wastes subject to final disposal	t	Versus FY2017 4% reduction	+67.1%	×	Ρ7	Versus FY2017 5% reduction	Versus FY2017 6% reduction
Prevention of environmental pollution	Reduction in emissions of PRTR substances	t	Versus FY2016 25% reduction	+11.1%	×	Ρ8	Versus FY2016 30% reduction	Versus FY2016 35% reduction
Environment -related products	Increase in % sales	%	Versus FY2020 0.5% improvement	-2.4%	×	P10	Versus FY2020 1.0% improvement	Versus FY2020 1.5% improvement

<Self-evaluation legend>

 $\ensuremath{\mathbb{O}}$: More than twice the objective

 \bigcirc : Achieved the objective

- $\bigtriangleup\,$: The objective was narrowly not achieved
- ${\boldsymbol{\mathsf{x}}}$: Improvement toward the objective was not made.

Initiatives related to global warming/saving energy

In our production activities, we consume energy to manufacture products. This process emits CO₂, a greenhouse gas. To reduce CO₂ emissions, we are implementing efforts to reduce energy use in production processes.

As investments in various types of energy-saving equipment, we are carrying out systematic measures including switching plant ceiling lighting to LEDs, conversion of air-conditioners and chillers to higher-efficiency models, installing inverter-controlled compressors, modifying steam piping, and introducing in-house consumption solar power generation facilities. Furthermore, we have implemented productivity improvements to increase energy efficiency, including installation of new equipment and improving in existing equipment.

In FY2021, although our production volume increased by 11.3% YoY, our energy use and CO₂ emissions increased only by 9.2% and 8.9%, respectively, resulting in a 1.9% improvement YoY in our energy intensity.

In FY2022, we will continue to aggressively increase productivity and install more energy-saving equipment to achieve our objectives.











Initiatives related to saving resources/reducing waste

Efficient use of water resources

We have recycled more waste water from the washing and cooling steps in the production process in order to effectively conserve water resources.

In FY2021, the total intake amount of water resources was 110.5% YoY, and total water discharge was 111.0% YoY; they both increased significantly.

In FY2022, we will carry out activities to put a stop to this increasing trend in total water intake amount by reviewing unnecessary use of water resources.



Total Water Resource Used (1,000 tons)



Initiatives related to saving resources/reducing waste

Initiatives to reduce waste matter

We are committed to waste reduction in order to protect the global environment. In order to not only reduce waste generation but also effectively use resources, we push forward reuse and recycling approaches.

Total materials intake in FY2021 was up 12.5% YoY to 35,017 tons due to a significant production increase caused by a trend toward the end of coronavirus infection. Total waste was up 4.7% YoY to 4,911 tons.

The final waste disposal volume was up 16.0% YoY, a significant increase.

In FY2022, we will stem the rising trend in the final waste disposal volume and continue efficient production.





Total Quantity of Materials Used (tons)

Initiatives to reduce the release of chemical substances

In accordance with the Law concerning Pollutant Release and Transfer Register (PRTR Law), we notify the regulatory authority of the amounts of chemical substances that are discharged into the environment after their use in the manufacturing process and make efforts to reduce them.

Total emissions in FY2021 increased by 53.3% YoY due to changes in production volume and other factors, and transfer volume also increased by 10.1% YoY.

In FY2022, we will carry out initiatives aiming to achieve an emission reduction of 30% compared to FY2016, which is our medium- and long-term plan target.



Total Emissions (tons)



Total Quantity Moved (tons)

Overall environmental burdens from business activities in FY2021(material flow)

We assess the environmental burdens from various emissions (OUTPUT) generated as a result of DYNIC's business and production activities involving raw materials, energy, and water resources (INPUT) in order to more effectively conserve those resources through more efficient use.

In FY2021, emissions of PRTR substances increased due to the types of products produced.

In FY2022, we will carry out further initiatives to put resources to effective use.

INPUT
Energy consumption : 13,757,000 L (of oil equivalent)
Power (Purchased) : 29,800 MWh
LNG : 1,549 tons
City Gas : 3,275,000 m ³
Bunker A : 390,000 L
LPG : 27 tons
Gasoline : 7,000 L
Water consumption : 597,000 tons
Groundwater : 356,000 tons
Industrial water : 185,000 tons
Clean water : 55,000 tons
Total raw material input : 35,017 tons
sinesses
[Dynic product groups]
Publishing and Stationery Products/Print Media Supplies/Nonwoven Fabric Products/Apparel/ Household Products/Industrial Products/Special Embossed Products/Foil, Films, and Paper Products
OUTPUT
Greenhouse gas (CO2 emissions)
Emissions attributable to production process : 24,996 t-CO2
Emissions attributable to product logistics : 941 t-CO2

*Product logistics activities are outsourced to affiliated companies.

Emission into the atmosphere

PRTR substances : 412 tons

NOx : 17.2 tons

SOx : 0.4 tons Dust : 0.2 tons

Discharge into water system

Discharge : 488,000tons

BOD: 0.5tons

COD: 1.3 tons

Discharge into soil : N/A

Chemical substances (PRTR substances)

Emissions into the environment : 412 tons

Transfered as waste : 211 tons

Total waste generation : 4,911 tons

Incineration/landfill disposal volume : 1,430 tons

Recycled wastes : 1,813 tons

Volume of valuables : 1,667 tons

Recycling rate : 71%

Environment-Related Products

Dynic Corporation is working hard on the development of various products that contribute to the development of society and creation of a life of affluence. We believe the delivery of such new products to society will lead to our contributing to society through our business activities.

At Dynic Corporation, we define "products that take the global and living environments into consideration" as " environment-related products" .

Products that take the global environment into consideration

[Products that reduce the burden on the environment]

PVC-free, plastic-free, or solvent-free products

Non-vinyl-chloride file folders (eco-folders), olefin based cloth, paper magnetic cards*, EVA containers, waterborne coating book-binding cloth for file binders and notebooks, etc.,

Products using recycled paper, recycled fiber, recycled resin

Paper cloth using recycled paper, paper cloth for use in textbooks, paper cloth for use in backing, carpet using recycled polyester*, etc.

Products using sustainable natural resources

FSC certified paper cloth (Epalon)*, rayon 100% color nonwoven fabrics (Panelon color sheet), etc.

[Products that take treatment and disposal into consideration]

Products that take ease of disposal into consideration

Paper blades for cutting polyethylene food wrap and aluminum foil, paper lid materials for milk drinks, etc.

Products that contribute to resource-saving / 3R (Reuse, Recycle, Reduce)

Crack mitigation wallpaper, reuse toner cartridges; sub-cassettes for refill, automotive headliner material (lightweight), desiccant for organic EL devices (durable), etc.

Products that take the living environment into consideration

Products that provide comfortable spaces

Deodorant Panelon filters, antimicrobial and deodorant wallpaper, negative-ion-radiating wallpaper,

filter materials for air purifiers, antivirus wallpaper, sound-absorbing nonwoven floor fabrics, etc.

Products useful for maintaining the freshness of health products/food

Water-resistant food packaging, food freshness preservatives, thermal transfer inked ribbons*,

NIC SEVEN nylon-coated labels (Echo-tech registered)*, mold-releasing film for cataplasm, etc.

Various antimicrobial/deodorant products

Cloth for antimicrobial book binding, etc.

Products marked with an asterisk [*] are third-party certified products.



Occupation Ratio of Sales of Environment-related Products (%)

◎ You can find the individual explanations of such environment-related products on our home page.

With "Contribute to society through environment-related products" as a key phrase, we have actively promoted product development.

In FY2021, environment-related products accounted for 33.4% of our sales, which failed to meet our target level. In the future, we intend to further increase the percentage of our overall sales comprising environment-related products, thereby contributing to society.





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Shiga Plant - A model plant aiming at harmony between high technology and nature -

The Shiga Plant is the largest in Dynic with a vast site of about 350 thousand square meters, surrounded by green mountains nurtured by the clean water of the Lake Biwa water system and fresh air. With the backbone of Dynic's unique advanced technology, the plant produces many of the Dynic's key products, such as book binding cloth, cloth for magnetic passbooks, wallpaper, and woven interlining.

Benefiting from the rich natural environment, the Shiga Plant has also emphasized harmony with the natural environment and its conservation. The plant, fully equipped with wastewater treatment facilities, is committed to recycling resources and has earned a high reputation as a model plant themed on energy conservation and no pollution.



Environmental index results

Item	Energy-saving intensity(k ℓ /km)	CO ₂ emissions (t)	Intake of water resources(kℓ)	Total waste (t)	Final waste disposal volume(t)	PRTR substance emissions (t)
Results	0.061471	9729	188	1632	534	34
YoY	-0.6%	+8.7%	+20.4%	+4.5%	+42.4%	+5.8%

Reducing the environmental burden - Installation of energy-saving equipment -Initiatives toward carbon neutrality

• Introduction of in-house consumption solar power generation facilities

The Shiga Plant installed a total of 166 kilowatts of solar panels on the roofs of its technology building and development building by utilizing the FY2021 Subsidy for the Project for Carbon Dioxide Emission Control Measures.

With the introduction of self-consumption solar power generation facilities, the annual output is expected to be approximately 180,000 kWh. This is equivalent to 1.8% or so of the annual electricity usage at the Shiga Plant. All the power generated is used by the plant itself, contributing to a reduction in CO₂ emissions. We will continue to actively utilize renewable energy and carry out activities aiming for carbon neutrality.





Efforts for biodiversity conservation: Working together with the local community

Zero waste cleanup activities

Every year, the town of Taga, where the Shiga Plant is located, holds cleanup activities around May 30 (gomi zero, or "zero waste" day), designated by Shiga Prefecture as a day for environmental beautification activities. We support these activities, and on Sunday, May 29, we participated in the zero waste cleanup activities along National Highway 306 in the town.



• Forest conservation activities

On Saturday, October 16, "Volunteer activities for forest improvement" were hosted by the Environmental Conservation Association of Shiga Prefecture at Takatoriyama Fureai Park in the town of Taga. Dynic Corporation is a member of the association, and nine of our employees joined in the activities.

They pruned branches, cut and sorted out small trees, and cut down the weeds under the trees for forest improvement. While having a refreshing sweat, they could come into contact with nature. It was a good experience for them.





Saitama Plant - Future-oriented, advanced, composite technology and the most modern FA line -

The Saitama Plant, the east center of production for Dynic, is in operation as a future-oriented plant focusing on technology development. The plant generates products covering a broad number of fields from value-added hi-tech products to mass produced products which make up the backbone of the industry, utilizing exceedingly high level composite technology and the most modern FA (Factory Automation) line. The production system consists of six production centers, each of which is responsible for paper cloth, vinyl cloth, inked ribbons, FFC (Fine Film Coating), carpet, and nonwoven fabric, respectively. The plant diligently implements regional and environmental measures, and its greening promotion initiative and industrial waste recycling system have earned a high level of trust from public institutions.



Environmental index results

Item	Energy-saving intensity(k ℓ /km)	CO2 emissions (t)	Intake of water resources(kℓ)	Total waste (t)	Final waste disposal volume(t)	PRTR substance emissions (t)
Results	0.042997	11086	263	2038	602	321
YoY	-3.6%	+10.1%	-1.5%	+2.5%	-7.2%	+76.8%

Reducing the environmental burden - Installation of energy-saving equipment -Low carbon initiatives

• Heat shielding on the roof of Plant 5

Twenty-five years after the previous painting, heat-shielding paint was applied to the roof of Plant 5.

The plant has a structure in which the heat from the roof was transferred directly to the workplace; therefore, the inside of the plant had been quite hot, especially in the summer.

We adopted heat-shielding paint and chose a white roof color to curb heat transfer, improving the work environment and cooling efficiency.



Installing inverter-controlled compressors

One compressor was upgraded in each of Plants 2 and 6. These compressors are an energy-saving type with a built-in inverter, which has contributed to a considerable reduction in electricity usage.

The "Subsidy for the Project for Promoting Investment in Advanced Energy-Saving Equipment" was granted to install these two compressors.



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Efforts for biodiversity conservation

Neighborhood beautification activities

Once a month, the Saitama Plant conducts cleanup activities on the roads around the plant. During FY2021, we implemented these activities 12 times and collected cigarette butts, beverage bottles, and other trash.



• Dealing with designated invasive alien species

Saitama Prefecture held a major survey to find red-necked longhorn beetles (aromia bungii) by inviting participation from citizens. We cooperated with this survey and examined the trees on our site. As a result, we confirmed infection of two someiyoshino cherry trees and reported to the relevant municipalities.

The infected trees were injected with a chemical under the guidance of Fukaya City. We are currently conducting follow-up observations.





Red-necked longhorn beetles (aromia bungii) are highly prolific, and their distribution is expanding in the northern Kanto region. In addition to cherry trees, the beetles also attack fruit trees, such as Japanese apricots and peaches, and could cause damaged trees to wither and die.

Feeding damage by larvae on a cherry tree Something in brown that looks like karinto sweets is excreted.

• Green curtain (sunshade screen made of vines)

We installed a green curtain experimentally on the south side of the office building inside the factory. Since the installation area was small, the curtain was not energy efficient, but it had a visual effect that looked cool when viewed from inside the rooms.



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Moka Plant - Delivering safety quality from our well-controlled working environment -

Responding to rapidly diversifying needs for aluminum-foil and other lid materials, the Moka Plant was quick to create composite lid materials by taking advantage of its technological strength in the field of aluminum-foil processing.

This has resulted in our soft-packaging materials for processed food and industrial uses winning the unflagging trust of our customers.

We are determined to continually meet the challenge of the "next" by making the most of our wealth of proprietary technologies.



Environmental index results

Item	Energy-saving intensity(k ℓ /km)	CO ₂ emissions (t)	Intake of water resources(kℓ)	Total waste (t)	Final waste disposal volume(t)	PRTR substance emissions (t)
Results	0.008865	2089	126	657	140	19
YoY	-6.7%	+2.8%	+32.5%	+7.8%	+82.0%	-5.0%

Reducing the environmental burden - Installation of energy-saving equipment -Low carbon initiatives

Installation of high-efficiency air conditioners

We upgraded the air conditioners in the office building to a high-efficiency type.

This upgrade allows us to expect an energy-saving effect.



Efforts for biodiversity conservation

Neighborhood beautification activities

On Tuesday, November 16, under the auspices of the Moka Industrial Complex General Management Association, cleanup activities were held across the Moka Industrial Complex. We took part in cleaning the roads around the plant.



Oji Plant - With reliable quality control we have earned the trust of our customers -

The Oji Plant is responsible for the production of aluminum-foil material for lid and coating paper. Since introducing the "Lectraseal (registered trademark)" (container sealing material using processed aluminum foil) from the U.K., we have

enjoyed a substantial share in this field. Designed for high-frequency induction heating to bond materials onto containers, the "Lectraseal" is an innovative process for sealing material for lid onto processed food containers that contributes greatly to maintaining product quality for customers. In the field of coating paper and films, we are meeting ever-diverse customer needs by making the most of our wealth of know-how and state-of-the-art large-size coating machines. Our diverse range of the most advanced processing technologies allows us to constantly meet the challenge of the "next."



Environmental index results

Item	Energy-saving intensity(k ℓ /km)	CO2 emissions (t)	Intake of water resources(kℓ)	Total waste (t)	Final waste disposal volume(t)	PRTR substance emissions (t)
Results	0.043153	1737	19	490	148	38
YoY	+9.9%	+16.1%	-4.4%	+7.7%	+20.2%	+8.6%

Reducing the environmental burden - Installation of waste gas treatment facilities - Efforts to reduce hazardous substance emissions

• Installation of thermal storage combustion-type exhaust gas purification system

An exhaust gas purification system was introduced along with a new printing machine. The system detoxifies organic odors and harmful volatile organic compounds (VOC) through high-efficiency combustion decomposition. In addition, the ceramic honeycomb-type thermal storage material reduces heat energy. With this system, 96.9% of the total volatile organic compounds (T-VOC) in the exhaust gas

are removed (measured values), which conforms to the regulatory standard under the Metropolitan ordinance (Environment Ordinance to Ensure Tokyo Citizens' Health and Safety).

Fuji Plant - Producing environment-friendly renewable products -

Operating under a clean environment and the strictest quality control, the Fuji Plant is engaged in the production of paper-tube containers for food, and paper tubes for photosensitive materials, industrial coated paper, and the like.

Our ongoing pursuit of environment-friendly materials encourages us to take up the challenge of the "next."

Environmental index results

Item	Energy-saving intensity (kℓ/thousand yen)	CO ₂ emissions (t)	Intake of water resources(kℓ)	Total waste (t)	Final waste disposal volume(t)	PRTR substance emissions (t)
Results	0.000545	232	2	93	6	0
YoY	-1.7%	-18.0%	-35.4%	+19.8%	-32.1%	_

•The Fuji Plant does not handle substances subject to the PRTR Law beyond legal standards.

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PT.DYNIC TEXTILE PRESTIGE

Established in the Republic of Indonesia in 2014, this company manufactures and sells non-woven fabric materials primarily in connection with automotive materials.

Office & Factory

Kawasan Greenland International Industrial Center (GIIC) Blok CD No.01 Kota Deltamas, Desa Pasir Ranji, Cikarang Pusat, Bekasi-17530 Tel.62-21-3003-2912, 62-21-3003-2913 Fax.62-21-3003-2914

Reducing the environmental burden-Installation of energy-saving equipment

• Switching to LED lighting

The mercury lighting in the plant was replaced with LED fixtures. Compared to mercury lamps, the power consumption has been reduced by 70%, and the voltage was also stabilized, resulting in a reduction in the risk of fires caused by short circuits and the like.

Reducing the environmental burden - Waste reduction and effective use of resources

Waste reduction

We introduced equipment to treat waste liquid discharged from our painting facilities (during production, residual paint, etc.). The equipment solidifies and purifies the waste liquid before releasing it.

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As a result, the amount discharged was reduced by 80%.

• Effective use of resources

We recycle fabric scraps generated in the production process. With this effort, we reduce the amount of waste by 400 kg or so every month and effectively use resources.

Diagram of the process up to recycling ▶

Astropark observatory

The Dynic Astropark Observatory, equipped with a 60-cm diameter reflector telescope and a variety of observation equipment, is the first public observatory operated by a private-sector enterprise.

Since its foundation, Dynic has been deeply involved in the fields of culture and education through book binding cloth, and as an ideal form of social contribution and cultural activities, we opened the observatory in 1987.

Public relations activities through TV, newspapers, etc.

Observatory was featured on TV and newspaper.

Last year, our activities were introduced by the media; a local TV station broadcasted the observatory under the title, "Let' s go and see the stars in Taga," and the Observatory' s collection was also published in a newspaper as "fine article."

• Mr. Shigemaro Kibe's 31-cm reflector telescope

The observatory houses a 31-cm diameter reflector telescope equipped with a mirror, produced in 1934 by Mr. Shigemaro Kibe, who was active at the dawn of the production of reflector telescope optical systems in Japan. The telescope was the largest among those domestically made at the time of its production. In terms of not only the size but also optical performance, it compares favorably with today's precision-polished telescopes; it is a historic telescope that gives very good views. In May 2021, the telescope was extensively covered in the Mainichi Newspapers' Meihin Tekagami column, which features fine articles. Previously, the telescope was not open to the public, but since 2021 it has been on public view at the regular observation event.

▲ At the regular astronomical observation event, we exhibit "Mr. Shigemaro Kibe's 31-cm diameter reflector telescope" and participants actually use it.

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Regular astronomical observation event

Digital planetarium

The full-fledged digital planetarium, which was installed to mark the centennial of the company's foundation, continuously enjoys high popularity.

 Simulation of the appearance of the Perseid meteor shower on August 12, 2021

In addition to the regular astronomical observation event held every Saturday, the observatory also hosts "occasional observation event" in accordance with celestial phenomena, such as total lunar eclipse and meteor shower.

Regarding the "Starry Sky \Rightarrow Nature Observation Event" held every summer with the cooperation of the town of Taga's Industry and Environment Department, unfortunately, we could not host it again in FY2021 under the influence of the new coronavirus.

During the period with no restrictions for the new coronavirus, we hold regular astronomical observation events in which our specialized staff explains using the telescopes of the planetarium and observatory.

Regular astrophysical observation event	from 7:30 pm to 9:30 pm every Saturday
Admission	Elementary and junior high school students: 100 yen High school students and over: 200 yen

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