

ENVIRONMENTAL REPORT 2025



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Company Introduction

Company DUNLOP SRIXON SPORTS MANUFACTURING (THAILAND) CO., LTD. (DSSMT)

Location Kabinburi Industrial Zone, location in eastern Thailand
(190 kilometers away from Bangkok)

Business Commencement Date : December 21, 2007

Area 36,800 square meters

Number of employee In 2024 Averaged employees 431 persons

The number of male and female were similar

Business Operation

Manufacturing of tennis balls under the customer-defined conditions, requirements, as well as customer needs. Most of DSSMT products are certified by ITF (The International Tennis Federation).

Certifications



Environmental Message



Satoshi Tanaka

MANAGING DIRECTOR

We recognize that environmental issues are of common importance to all humankind. We are working to contribute to the Preservation of the Global Environmental and Human Health. In promoting our business activities, we not only comply with environment-related laws and regulations, but also strive to reduce our environmental impact. In addition, we are striving to promote understanding of our environmental policy and raise environmental awareness among all employees through environmental education and in-house activities.

We promote environmental conservation activities in cooperation with our affiliates and business partners.

Environmental preservation is an issue that must be considered from all perspectives in our corporate activities. Today, the keyword is “sustainability,” which includes measures to combat global warming. Our efforts are diverse and wide-ranging and require the collective efforts of all employees. It is essential for all of us to increase our sensitivity and improve our awareness and skills to analyze, predict, and act on our impacts. Our concept is to respond appropriately to the keyword “sustainable development on a global scale” on a company-wide and organizational basis, to enable the survival and development of the company, and to make the company attractive as an environmentally conscious company.



Hiroyuki Kume

TECHNICAIN ADVISOR

Environmental Message



Don Prapepek
GENERAL MANAGER

In recent times, the occurrence of storms and sudden flash floods has become increasingly frequent, both within Thailand and abroad. Each event often causes significant damage to lives, livelihoods, property, and the overall economy. For instance, the major flood in 2024 that affected the northern region—particularly Chiang Rai Province—and the northeastern region—such as Nong Khai Province—had a severe impact. It is believed that without proper care, restoration, and preservation of the environment, the severity and frequency of such natural disasters will continue to escalate in the future.

Therefore, we would like to invite everyone to join hands in protecting the environment. Simple actions such as conserving energy and natural resources, planting trees, and reusing materials can make a significant difference. By taking these steps together, we can help preserve a clean and healthy environment for generations to come.

Hello dear colleagues,

This year, once again, we would like to invite all colleagues to raise awareness about environmental conservation and to act in an environmentally friendly manner for sustainability.

Currently, there are numerous environmental issues, including increasingly severe climate change, multiple major earthquakes, widespread deforestation, ongoing environmental degradation, and toxic pollution caused by irresponsible business practices. Therefore, we must come together to build environmental resilience through small but collective efforts within our capacity. These efforts can include conserving energy, installing small-scale renewable energy systems for home use, reusing materials, increasing the use of natural products, and reducing plastic consumption.

By doing just this, we contribute to making the world sustainable for future generations.



Porntip Siriban
GENERAL MANAGER

Environmental Message



Kruawan Kallayasiri

PE&QA and R&D Senior Manager

In the development of our tennis ball products, we place great importance on the materials used, guided by the principle of sustainability. Since 2022, DSSMT has reduced plastic usage to minimize waste and improved various processes to lower CO2 emissions. We remain committed to continuously enhancing our operations to reduce environmental impact.

Energy is essential for business operations. The use of fossil fuels contributes to air pollution. Therefore, reducing energy consumption is crucial for businesses. Switching to clean renewable energy sources, which do not produce pollution or harmful air emissions, is important. Most importantly, renewable energy is sustainable and inexhaustible, such as solar power, which many sectors are currently adopting and installing.



Surin Meekham

Engineering Manager

Environmental Message



Supattra Kaewsombat
Production Manager

Currently, various and severe natural disasters are occurring around the world. All of this is a result of human actions. It's time to stop the destruction and seriously repair nature.

Love Thailand, cherish Thailand, and protect the environment — everyone must contribute. Our company is committed to environmental responsibility throughout all processes. We strive to source, control, and manage operations, continuously improving to ensure that all related activities have minimal environmental impact.

Thank you all for your cooperation.



Panthita Pimmadakul
SE and HR/Admin Manager

Environmental Message



Wittawet Promton

PC & Logistics Manager

Protect the Earth Today for a Better Future

The Earth needs care from every sector. Start simply with your daily habits:

- Separate waste before disposal; turn organic waste into compost.
- Use both sides of the paper before discarding.
- Avoid using foam products.
- Plant small trees.

Company Policy

1. Provide high quality to our customers.

- High quality with environmental consideration.
- Achieve high quality and low cost across all aspects of 4M x SQCD.

2. Global Player.

- A leader in quality within the tennis ball industry.
- Operate with constant market awareness.

3. Improve the level of our human resources.

- Set KPI, check progress, and implement corrective actions through self-directed PDCA.
- Trust and Certainty – Emphasizing compliance, internal controls, and environmental, social, and governance (ESG) responsibility.



Satoshi Tanaka
Managing Director
1 January 2025

Safety and Occupational Health, Environment, Quality Policies

Dunlop Srixon Sport Manufacturing (Thailand) Co.,Ltd. As manufacturer of high quality and excellent service Tennis Balls incorporates important the risks, both internal and external. Related to quality, service, environment, occupational, health, safety and working conditions of our workers to attain high level of customer's satisfaction and working standards of our company.

In serve these objectives, our company has undertaken to implement the following :

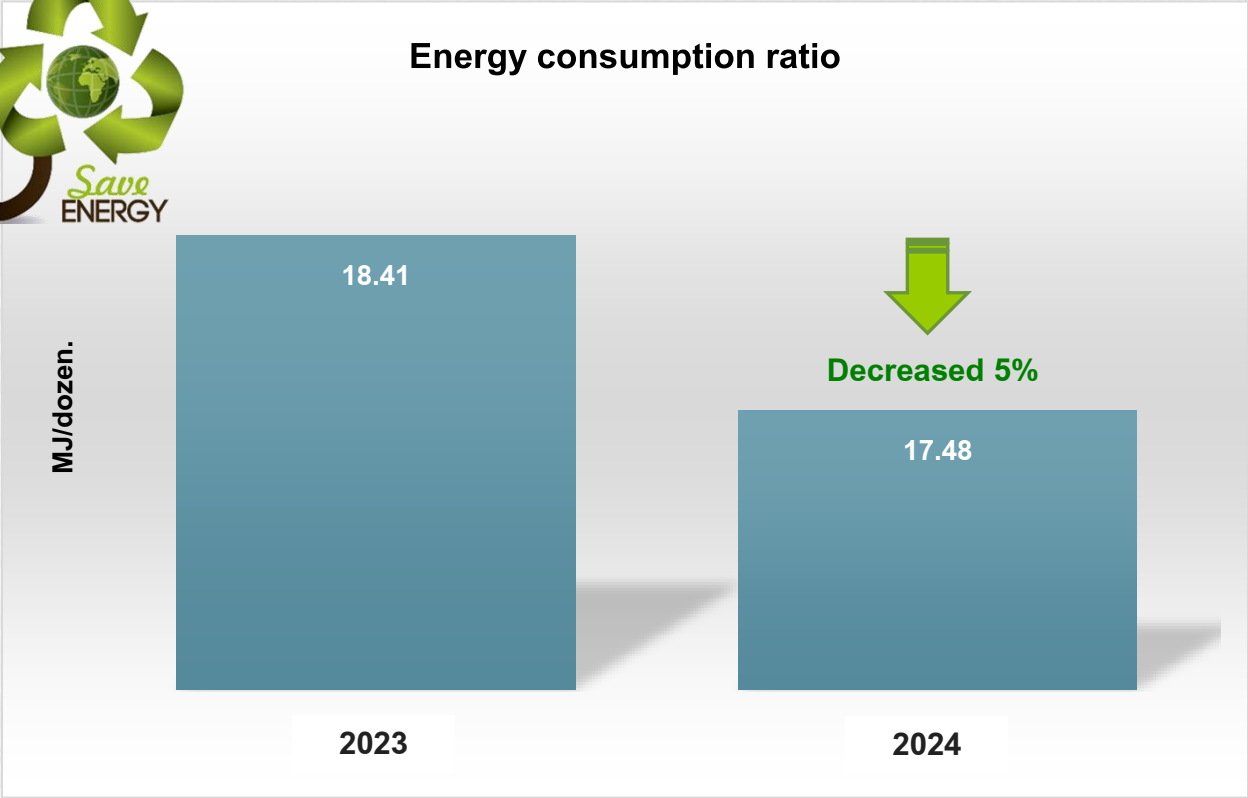
1. Timely Delivery to meet customer's satisfaction.
2. Reduction and prevention of possible risks of accidents upcoming with employee, contractor, sub-contractor, visitor and company.
3. Abide strictly to rules and regulations relating to environment, occupational health and safety issues.
4. Commitment to the identification and evaluation of environment aspect and impact still focuses on activities, production process, product and company service related environment. And resources can be used to achieve maximum benefit. To continuously improve operations even further.
5. Commitment to the safety and Occupational activities for prevention and reduce of injuries and health for all employees.
6. Commitment to the environment activities for protection and prevention of pollution.
7. Active participation and involvement with environmentalists by sharing company's environmental policies.
8. Commitment to build safety working place and be fit to work, to protect the injured and illness.
9. Commitment to suggestion to and support employees participate opinion.
10. Commitment to continual improvement and sustainable of the company's quality, environment, occupational, health and safety activities.



Satoshi Tanaka
Managing Director

Energy consumption in 2024 compared to 2023

In 2024, the energy consumption ratio per unit of production decreased compared to 2023. The energy usage dropped from 18.41 MJ/dozen to 17.48 MJ/dozen, representing 5% reduction in energy consumption per dozen.



This initiative is the result of the collective cooperation of management and all employees. It encompasses various energy conservation projects covering electricity conservation, heat energy conservation, and environmental protection.

In 2024, there were a total of three energy conservation and environmental projects implemented.

Guidelines for reducing the Electrical Energy consumption.

Based on the concept of “reducing losses in unnecessary areas,” the following electricity-saving activities have been implemented:

1.) Project to replace Vacuum pump with energy-efficient models

Before improvement



Vacuum pump for suctioning workpieces to facilitate movement. Previously, the system used a motor-driven pump that operated continuously while the machine was running, resulting in high electricity consumption.

After improvement



It was replaced with Vacuum Generator, which is smaller in size but maintains the same machine performance, resulting in greater electricity savings.



As a result of implementing these energy conservation measures, electricity savings of 37,000 kWh/year were achieved, representing 0.78% reduction. This corresponds to cost saving of 176,000 THB/year.

Guidelines for reducing the Thermal Energy consumption.

2.) Cure Process Improvement Project

DSSMT has improved the tennis ball cure process.

As a result of this project, positive outcomes have been achieved in Environmental and Energy aspects as follows:

1. CO₂ emissions have been reduced 214 tons/year, representing 15% of total production emissions.
2. Wastewater discharge has been reduced 852 cubic meters/year, accounting for 14% of total production.
3. Annual savings on heavy oil amount to 630,000 THB.



CO₂ Reduce → 15%
Wastewater reduce → 14%



Reduce cost
630,000 THB/Year

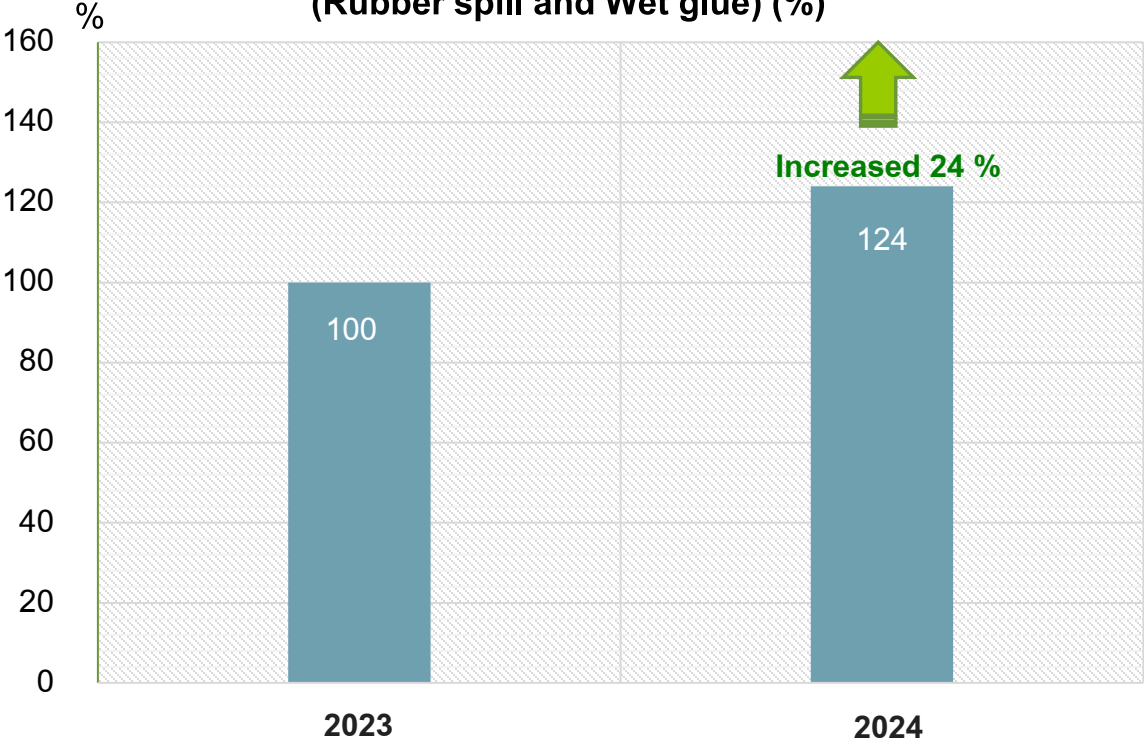
Recycling unused materials in Production Process activities

Maximizing resource efficiency in all facets: DSSMT remains dedicated to recycling unused materials. In 2024, we achieved a 24% increase in recycling discarded materials for reuse compared to 2023.



Recycling unused materials 2023 vs 2024

(Rubber spill and Wet glue) (%)



DSSMT has implemented various initiatives aimed at reducing the volume of unused materials, including reusing adhesive waste and rubber dust, thereby enhancing our recycling capacity.



Air Quality and Wastewater Monitoring and
Inspection Activities 2024



To monitor pollution emissions into the atmosphere and wastewater discharge into public areas, the company regularly controls and monitors air quality and wastewater quality. The results show that all measured parameters comply with the legal standards.

Type	Facility	Item	Unit	Regulation Value	2024 Results Ave.	Legislation to verify the regulation value
Emission to the atmosphere	Boiler	SOx	ppm	950	708	Notification of the Ministry of industry,B.E.2549
		NOx	ppm	200	141	
		Total Suspeded Particulate	mg/m3	240	136	
Drainage	waste water	BOD	mg/L	≤500	115	Wastewater standards of factories in the Kabinburi industrial zone (Before passing into the KIZ's wastewater treatment system)
		Suspended solids	mg/L	≤200	64	
		pH	-	5.0-9.0	7.7	
		Oil content	mg/L	10	8.8	

To ensure that emissions from the boiler stack and wastewater discharged into the treatment pond of Kabinburi Industrial Zone do not adversely affect the environment, the company conducts monthly wastewater testing and annual retesting.



Environmental and Energy Performance in 2024

Environmental performance	Unit	Year 2023 Actaul	Year 2024		% Difference 2024 Actual	
			Target	Actaul	VS Year 2023	VS Target
CO2 emission (Generation)	Kg/doz	0.99	0.98	0.83	84%	85%
Waste emission (Discharged)	g/doz	155.19	153.64	162.49	105%	106%
Energy consumption						
-Electric	Kwh/doz	1.62	1.57	1.50	93%	96%
-Heavy oil	m/doz	308.72	299.46	278.64	90%	93%
-Water consumption	L/doz	5.08	4.93	4.44	87%	90%

Environmental Control and Energy Management Performance in 2024.

Compared to per unit of production.

1. The disposal of unused materials increased 5% compared to 2023. This increase came from general waste such as expired documents and an increased number of wooden pallets used for storing raw materials. Some of these pallets were reused, but once damaged, they had to be sold for disposal.
2. The company has improved the cure process, resulting in a reduction in CO2 emissions. It also led to reductions in electricity consumption, heavy oil usage, and water usage.

Environmental and Safety Activities

Emergency drill



The company conducted refresher training on chemical handling for relevant employees, along with emergency drill exercises for chemical spill incidents during the period from September to December.



The company provides basic fire safety training to employees annually in compliance with legal requirements. An annual fire evacuation drill is also conducted in November, with 100% employee participation during both day and night shifts.

Environmental and Safety Activities

Safety, Environment and Energy Conservation Fair

Aug 21-22, 2024 and Aug 28-29, 2024



The company organized a singing contest to raise safety awareness, along with quiz games focusing on safety, environmental protection, and energy conservation.



A recycled costume contest was also held, in which waste materials from the production process were used to create wearable outfits or practical items.

Corporation Social Repressibility (CSR)

On May 20, 2024, the company organized CSR activity at Ban Khok Lan School, Nong Ki Subdistrict, Kabinburi District, Prachinburi Province.



Representatives of employees and management jointly participated in the following activities for the school:

- Management, employees, teacher representatives, and students jointly planted trees around the school's football field.
- The company provided dining table sets to the school, hosted a lunch event, and donated school supplies to the students.

The management and employees take pride in contributing positively to the community. This activity brought joy to both the students and the teaching staff.

Energy conservation in DSSMT's employee Perspective



Our factory uses heavy oil as a source of energy in the production process, and fuel oil incurs relatively high costs. Therefore, our factory has improved the production process by developing a method to cure products without relying on heat generated from fuel oil combustion. This not only reduces costs but also lowers CO2 emissions.

/Kritsadakorn Srimuang ENGINEERING DEPT.



Energy conservation is not achieved solely by turning off water and lights; regular maintenance of equipment and machinery also contributes to reducing energy consumption. Therefore, our factory has established routine machinery inspections before the start of operations.

/Narumon Kaewsri PRODUCTION DEPT.



Overall, our factory has good management of energy and environmental aspects, including maintaining green spaces. We have a policy encouraging everyone to reduce energy consumption by turning off water and lights whenever they are not in use. This not only helps lower energy usage but also reduces related costs. We would also like to invite everyone to join in planting more trees to help preserve the environment.

/Nattaradee Kamngam PRODUCTION DEPT.



The company regularly conducts communications to raise awareness among all employees, fostering a strong sense of responsibility. This effort enhances the organization's image and includes organizing activities that encourage employee participation in energy conservation and environmental protection.

/Supansa Kumsinpan ACCOUNTING DEPT.

