

Proposals and Sales of ECO Products

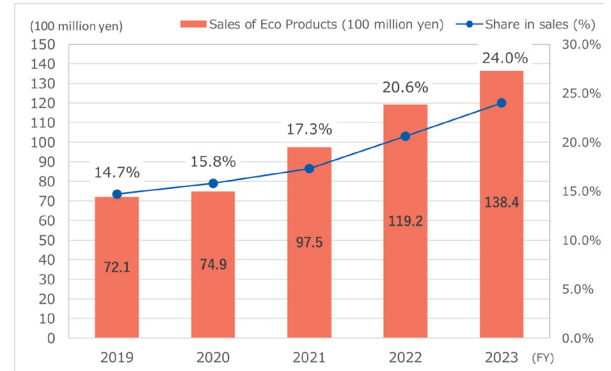
Sales of ECO-Products

TECHNO ASSOCIE worked to boost sales of eco-products, i.e., merchandise and parts for products that contribute to the five defined items below, Achievement in

fiscal 2023 is as follows;

Target: More than 25% of total net sales

Achievement: 24.0% of total net sales (an increase of 3.4% from the previous fiscal year) Net Sales 13.93 billion yen (an increase of 16.9% from the previous fiscal year.)



Definition of eco-products

edo	Environmental aspect	Definition (examples)
①	Resource-efficient products (make effective use of resources)	Using resources effectively by reducing the amount of raw materials and packaging or by extending the service life of parts
②	Reusable/recyclable products (reduce waste)	Reducing waste by using recycled materials or by reusing a part of or all of the product and packaging
③	Energy-efficient products (reduce CO ₂ emissions)	Reducing CO ₂ emissions and energy consumption during manufacture, transport, and use
④	Products that use non-toxic chemicals (prevent environmental pollution)	Preventing environmental pollution and minimizing the effect on ecosystems by eliminating or reducing the use of toxic chemicals
⑤	Products that contribute to energy conservation when used	Products used in eco-friendly vehicles, high-efficiency water heaters, LED light-related products, fuel cell installations, battery storage for natural energy, and eco-houses Reducing CO ₂ Emissions

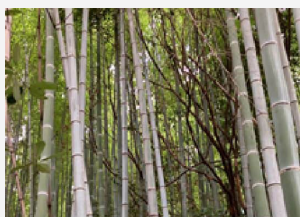
Example of product development contributing to recycling and reduced energy use

TECHNO ASSOCIE' s Development and Promotion Department is engaged in developing products that use activated carbon from bamboo to contribute to the social problem of bamboo damage and CO₂ emissions reduction.

Activated carbon is a material with countless minute holes that can be used for a wide variety of purposes such as deodorization, water purification, battery terminals, dioxin removal, mercury vacuum deposition, and gas separation. However, the process of producing this from materials such as coal and coconut shells emits a large amount of CO₂.

Our proposed activated carbon is made from bamboo, which reduces CO₂ emissions. Bamboo has grown all over Japan since ancient times, but in recent years, abandoned bamboo thickets have caused problems such as landslides and the intrusion of wild animals. The process of making activated carbon from bamboo utilizes the CO₂ thermal energy, resulting in zero CO₂ emissions.

We are currently developing products that use activated carbon from bamboo as odor filters, with plans to develop acoustic materials that utilize the porous nature of the activated carbon in the future.



Bamboo damage
Reducing CO₂ emissions



Activated carbon from
bamboo



Odor filter