



# Eco-Friendly, Next-Generation Products

Through the product life cycle, from raw materials production and manufacturing to customer use to final disposal, we conduct activities to contribute to reducing environmental impacts.

## Transportation of Products in Cardboard Packaging (Reducing Energy Use in Transportation)

The Company used to transport its products in wooden crates. Recently, however, we have adopted “high-performance cardboard” packaging for the export of products to our overseas sales companies as the cardboard packaging has superior quality, including being light and strong. Unlike with wooden crates, we do not need to use nails, bolts, etc. for the fixation of the cardboard packaging, which reduces operational risks. Moreover, the cardboard packaging is easy to open even for inexperienced non-engineers, leading to a substantial reduction in time and labor required for opening. Also, because the cardboard packaging is lighter, we can reduce the energy used for transportation (i. e. CO<sub>2</sub> emissions), which contributes to environmental impact reduction.

### Comparison between wooden crates and cardboard product packaging

Comparison item	Wooden	Cardboard
Weight ratio	1	0.84
Time required for packing	28 min. by 6 people	14 min. by 6 people
Time required for opening	22 min. by 5 people	3 min. by 4 people
Reusability	Reusable	Reusable



Wooden crate



Cardboard packaging

We decided to use the cardboard packaging after conducting the following tests to confirm that the replacement would not have any adverse impacts on products and their quality.

1. Water and weather resistance
2. Possibility of the cardboard being pierced by the fork of a forklift
3. Trial transportation
4. Damage caused by lashing strength to packages transported with products in them
5. Changes in transportation conditions (temperature and humidity)

## Appropriate Management of Chemical Substances Used in Products

Based on its environmental policies, to prevent environmental pollution, the Company manufactures products by appropriately managing the use of chemical substances in the products to ensure safety based on the international rules and on both domestic and overseas environmental laws and regulations. We collect the latest information about environmental regulations enforced in each country and share that information with employees and business partners. We also annually provide employees with e-learning on the environmental laws and regulations related to our products. In June 2018 we held an environmental seminar for business partners in the Toyama and Tokyo areas to brief them on how we procure goods in compliance with environmental laws and regulations, how to respond to a survey conducted under the chemSHERPA\*<sup>1</sup> information communication scheme for chemical substances used in products, and on the Eco Test\*<sup>2</sup>.

\*1 chemSHERPA is a registered trademark of Mizuho Information & Research Institute, Inc.

\*2 The Certification Test for Environmental Specialists (Eco Test) is carried out by the Tokyo Chamber of Commerce and Industry.



Environmental seminar held for business partners in June 2018