

[Murata and the Environment]

Reduction of Waste

The Murata Group achieved its goal of zero emissions nationwide in 2003. We are now working toward zero emissions and a reduction in the total amount of waste internationally.

“Reduce, Reuse, Recycle” Promotion

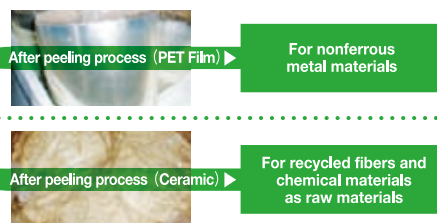
Unit Reduction Ratio of 48% against Fiscal 2000

We place priority on the reduction of the waste plastic and waste liquids that make up 70% of all waste matter. By separating ceramics from waste plastic, we are able to reuse those resources. We also use a liquid

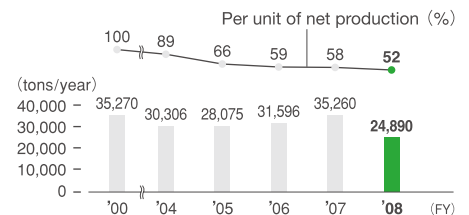
concentrator that reduces waste liquids to approximately 1/20th of their original volume. As a result, in fiscal 2008 we reduced waste emissions per unit of net production by 48% compared to fiscal 2000.



Recycling of Ceramic-Coated PET Film*



■ Amount of Waste Generation



Memo

*Recycling of Ceramic-Coated PET Film

Ceramic is peeled from ceramic-coated PET Film. PET Film is recycled as raw material for PET production. The ceramic sludge (peeled ceramic) is refined to recover precious and nonferrous metals.

*What is JWNET?

JWNET is a government-led system to convert and manage data of the industrial waste control manifest (paper manifest) into electronic form, and thereby help generators of industrial waste confirm that their waste has been disposed of appropriately, after having commissioned the disposal of such waste to their disposal contractors.

Completing Introduction of Electronic Manifest System in Japan

Murata has been working on waste management, with “compliance,” “zero emission” and “waste reduction” as its basic policies.

We are currently implementing various measures to reduce the amount of waste generation, in accordance with the 4th Environmental Action Plan, whose target year is set for fiscal 2010.

In addition to waste reduction efforts, we have vigorously promoted introduction of the electronic manifest system (JWNET*). In fiscal 2008, we completed the introduction of the system into all of our Group business sites in Japan. In conjunction with the introduction of

the electronic manifest system, we also developed and commenced operation of our own Compliance Management System for Industrial Waste Disposal. This system enables integrated waste management for the entire Group, leading to improved compliance and increased operational efficiency. For fiscal 2009, we have set the target of achieving the ratio of the number of electronic manifests to the total manifests at 85% or higher. In the future, we will continue striving to increase the ratio to as close to 100% as possible and to further strengthen compliance and improve operational efficiency.

Message

We Are Endeavoring to Reduce Environmental Impact through Awareness Raising.

To contribute to the realization of recycling-oriented economy and society, we are striving to reduce environmental impact by raising employee awareness of waste reduction and separation. The production and development departments are working hard on developing production processes that do not generate waste, as well as developing and designing products that are easy to recycle. In April 2009, the operation of the waste management system commenced, with the aim of facilitating information-sharing throughout the Murata Group. Toward achieving the goal of zero waste emissions from our business activities, we at Murata Manufacturing will continue making concerted efforts to reduce waste and increase recycling rates through close cooperation among business sites, thereby contributing to realizing a recycling-oriented economy and society.



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Achievement of Zero Emissions at Malaysia and Taiwan

Murata achieved its goal of zero emissions of waste throughout Japan in fiscal 2003, and has since maintained that record. Murata defines zero emissions as the complete elimination of landfill waste, including directly or indirectly treated waste, and a recycling rate of 100%*. In fiscal 2006, Murata also set a goal of zero emissions at its international sites by fiscal 2010, and is

working steadily toward that goal. Because circumstances differ in each country and region, reaching a goal of zero emissions is not easy, but we did attain that target at Beijing Murata Electronics Co., Ltd. in fiscal 2007, and at Murata Electronics (Malaysia) Sdn. Bhd., and Taiwan Murata Electronics Co., Ltd. in fiscal 2008.

*Murata's zero emissions target excludes waste matter that the Group is unable to process on its own, such as excess sludge in remediation tanks.