

Developing Super Green Recycling

Sharp is working to expand recycling of products that have reached the end of their service life based on three concepts: 1) improve the recycling rate and aim for zero landfill disposal, 2) improve the efficiency of the recycling system to reduce recycling costs, and 3) incorporate recycling technologies into the development and design of products.

Objectives for Fiscal 2007	Achievements for Fiscal 2007	Objectives for Fiscal 2008	Objectives for Fiscal 2009
Respond to the increased number of items requiring recycling	Developed recycling technology for flat-panel (LCD) TVs (completed technical studies at the laboratory level)	Build a recycling system for flat-panel (LCD) TVs	Implement recycling system for flat-panel (LCD) TVs

Recycling Four Kinds of Home Appliances in Japan (Air Conditioners, TVs, Refrigerators, and Washing Machines)

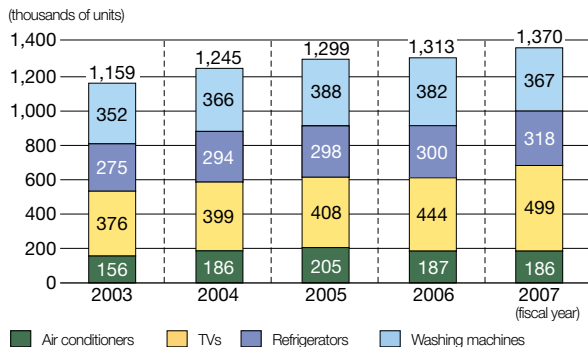
Sharp is constructing a highly efficient recycling system by collaborating with five other consumer electronics companies^{*1} to operate 190 designated sites for picking up old appliances as well as 18 recycling plants in Japan.

In fiscal 2007, four types of home appliances designated under the Japanese Home Appliance Recycling Law—about 1.38 million units in total (up 5% over the previous fiscal year)—were recovered and about 1.37 million units were recycled. The processing rates in the recycling plants satisfied the legal standard for all four kinds of appliances.

In the future, Sharp will work to continuously improve its system in response to changes, such as an increase in the volume of target products collected, and will work to further improve the recycling rate.

^{*1} Five collaborating companies: Fujitsu General Ltd., Hitachi Appliances, Inc., Mitsubishi Electric Corporation, Sanyo Electric Co., Ltd., Sony Corporation (in alphabetical order)

Sharp Corporation's recycled units for the four home appliances



Recycling PCs in Japan

In compliance with the Japanese Law for Promotion of Effective Utilization of Resources, Sharp is recycling business- and home-use PCs.

For home-use PCs, the PC industry is working with Japan Post Service Co., Ltd. in a collection system in operation at more than 20,000 post offices around Japan.

In fiscal 2007, recovered and recycled PCs amounted to approximately 5,300 business- and home-use desktop and notebook PCs (up 23% over the previous fiscal year) and about 2,000 monitors (up 3% over the previous fiscal year).

Information on PC recycling

Kansai Recycling Systems Reaches the 5-Million Mark in Total Recycled Units

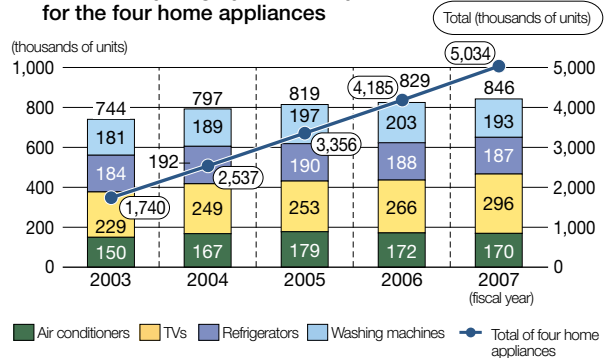
In March 2008, Kansai Recycling Systems Co., Ltd., a consumer electronics recycling company created with investment by Sharp Corporation, Mitsubishi Materials Corporation, and five other companies^{*1}, reached the 5-million mark in total recycled units.

The main facility of the company (in Hirakata City, Osaka Prefecture, Japan) began full operation in April 2001, to recycle the four types of used home appliances. A second plant began operations in December 2006 (Iga City, Mie Prefecture, Japan), exclusively to recycle TVs, and features an integrated, start-to-finish recycling line—from disassembling the TV sets to refining glass cullet^{*2}. Together, these two plants represent a comprehensive system to advance recycling of consumer electronics.

By strengthening the collaboration between the recycling plants and Sharp's design and production divisions, Sharp will push ahead to develop new recycling technologies and easy-to-recycle environmentally conscious products.

^{*2} Cullet is granulated glass from crushed CRTs (TV picture tubes). In the recycling process, contaminants are carefully removed from the glass to convert it into a nearly pure raw material suitable for use in a variety of applications.

Kansai Recycling Systems' recycled units for the four home appliances



Reusing and Recycling Copiers in Japan

Collected used copiers with minor deterioration are remanufactured: after being inspected, they are disassembled into unit parts, and the parts cleaned and thoroughly tested before being returned to the production line. New parts are also added to guarantee performance and quality equal to new products.

In fiscal 2007, approximately 41,000 copiers (up 24% over the previous fiscal year) were recovered, and remanufactured or recycled. Models not targeted for reuse are dismantled and sorted by type of component material to facilitate recycling.

Approximately 781,000 toner cartridges (up 12% over the previous fiscal year) were recovered, and about 270,000 remanufactured toner cartridges (up 8% over the previous fiscal year) were shipped.

Data on recycling of used products