



Environmental Action Plan

In order to promote progressive environmental conservation acts through our global business activities, the Ricoh Group has established the following environmental action plans and is striving to implement them. (See the text from page 9 for more details.)

©Environmental Management System

- Construct an environmental management information system by the end of fiscal 2000.
- Construct an environmental impact information system in the fields of copiers, facsimiles, and laser printers by the end of fiscal 2000 and construct such a system for other product lines by the end of fiscal 2001.
- Acquire ISO 14001 certification for domestic and overseas business bases in addition to production bases by September 2000 for Ricoh and by the end of fiscal 2001 for the Ricoh Group.*

©Resource Conservation and Recycling (Products)

- Establish a recovery and recycling system for products and supplies, especially toner cartridges, in Japan, Europe, the Americas, China and Taiwan, and Asia-Pacific by the end of fiscal 2001.
- Increase the resource recovery rate for copiers, facsimiles, and laser printers, including toner cartridges, to over 90% by the end of fiscal 2001.

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- Reduce final waste by 90%, compared with that in fiscal 1992 by the end of fiscal 2001.
- Achieve a 100% resource recovery rate (zero waste) at all domestic production sites by the end of fiscal 2000.
- Achieve a 70% resource recovery rate at all domestic nonproduction sites by the end of fiscal 2000.
- Achieve a 100% resource recovery rate at all overseas production sites by the end of fiscal 2001.

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- Reduce the energy consumed in manufacturing by 30%, compared with that in fiscal 1996, on a per product basis by the end of fiscal 2001.
- Increase the scope of use for recycled paper and increase the speed of dual-sided copying to promote the efficient use of paper thus reducing the amount of CO₂ during paper manufacturing.

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 Reduce CO₂ emissions by at least 15% by the end of fiscal 2001 on a per sales volume basis, compared with those in fiscal 1990.

(Domestic and overseas production sites other than Ricoh's have set numeric goals of 15% or more each.)

OPOLITION Prevention (Products)

- Reduce the volume of specified chemical substances, such as lead and PVC, at least 50% on a per product basis in all products developed after fiscal 2001, compared with products introduced in fiscal 1997.
- Reduce the level of noise emitted at least 2 dB and emissions of ozone and other by-products at least 20% for all copiers, facsimiles, and laser printers developed fiscal 2001, compared with products introduced in 1997.

OPollution Prevention (Business Sites)

- Reduce the use of substances subject to PRTR (Pollutant Release and Transfer Register) by at least 20%, emissions more than 50%, compared with those in fiscal 1997, and totally eliminate landfill waste in all domestic and overseas business sites by fiscal 2001.
- Completely eliminate the use of trichloroethylene and tetrachloroethylene in all domestic and overseas business sites by fiscal 2001.

*Modifications have been made from the 1998 environmental report.

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