The Sustainable Environmental Management Information System supports the decision-making process concerning sustainable environmental management and promotes environmentally-friendly design.

Environmental Impact Information System
This system collects and processes data on environmental impact caused by each operational process, including procurement, design, manufacturing, transportation/sales, use, maintenance/services, and collection/recycling, as well as by overall operations. Besides identifying the environmental impact of overall operations, the system automatically collects environmental data from the operational flow of each process, and such data is used to support PDCA in environmental improvement activities carried out at each process. In fiscal 2005, efforts were made to improve the system so that it can be used more easily for data analyses and improvement activities as well as for the expansion of the items and range of collected data and improvement in precision.

Environmental Accounting System
This system enables “Corporate Environmental Accounting” in a timely manner by collecting data on environmental conservation effects obtained from the Environmental Impact Information System and environmental cost data obtained from the accounting system, and processing this into sustainable environmental management indicators.*
Environmental Accounting System

A space to enter the environmental accounting code was added to the accounting system to determine the cost of environmental conservation. Using information compiled on a daily and hourly basis makes it possible to calculate the cost of environmental conservation.

Environmental expenses

Environmental capital investment

Aggregate Database of Environment Accounting

Data on the economic benefits of environmental conservation activities and the environmental conservation costs/economic benefits for each company in the Ricoh Group are input to the aggregate database of environmental accounting on a quarterly or biannual basis to calculate these figures every six months.

Identifying Eco Balance

Using a sustainable environmental management information system, we collect extensive and diversified data covering all the operations of the Ricoh Group, allowing us to calculate the integrated environmental impact to determine the eco balance.

Preparing and Managing Environmental Action Plans

An action plan is drawn up based on the integrated environmental impact calculated by the sustainable environmental management information system. Reduction targets are also established in the plan. We identify problems and take actions to address them as soon as possible, by introducing automatic aggregation, continuously monitoring the results, and improving the precision of the data collected in each process.

Sustainable Environmental Management Indicator

The cost effectiveness of our environmental improvement activities is calculated and used as an indicator to help promote sustainable environmental management.

Environmentally-Friendly Design

The sustainable environmental management information system is used together with our product lifecycle management tool to enable designers to incorporate environmental performance into product design in areas such as energy/resource conservation, the controlling of chemical substances, and LCA design.