

Measures to Prevent Global Warming

We implement measures to prevent global warming at each stage of the lifecycle, with the aim of reducing CO₂ emissions by 7% during the manufacturing process.

Concept for prevention of global warming

We are working to reduce CO₂ emissions throughout the lifecycle.

Preventing global warming is one of manufacturing industry's most important social responsibilities today. The Konica Minolta Group strives to prevent global warming from an overall lifecycle perspective.

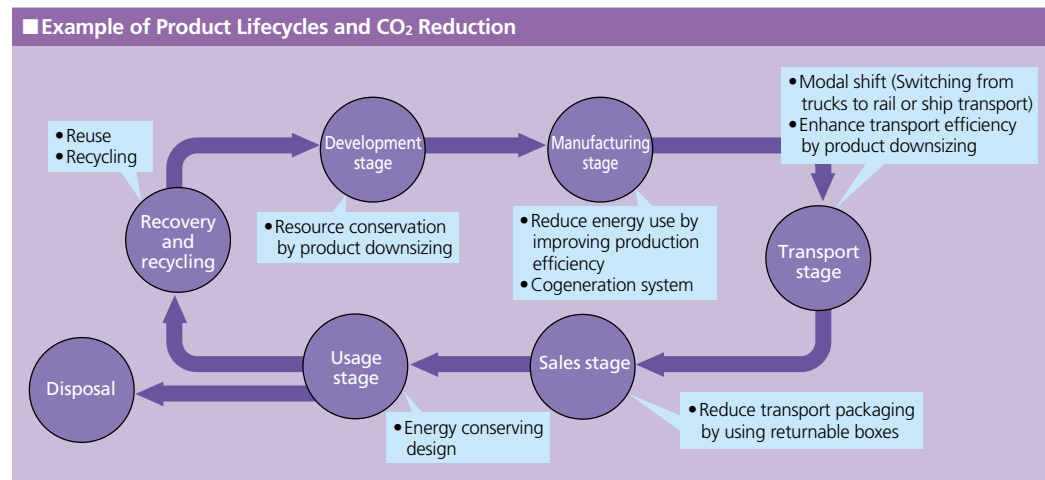
We calculate how much energy is consumed at each stage from raw material procurement through to transportation after shipping, use, recycling and disposal, as well as assessing CO₂ emissions from business sites during manufacturing, and endeavor to reduce CO₂ emissions at each stage.

In order to reduce CO₂ emissions during manufac-

turing, we have been seeking the most effective use of energy, such as installation of electrical cogeneration systems, and trying to improve manufacturing efficiency by adopting the cell production method, coupled with the introduction of polymerized toner which requires less energy during manufacturing.

In terms of transportation measures, we have been promoting a modal shift and other measures.

Furthermore, we have been working to reduce CO₂ emissions during actual use of the products by developing energy-saving technology.



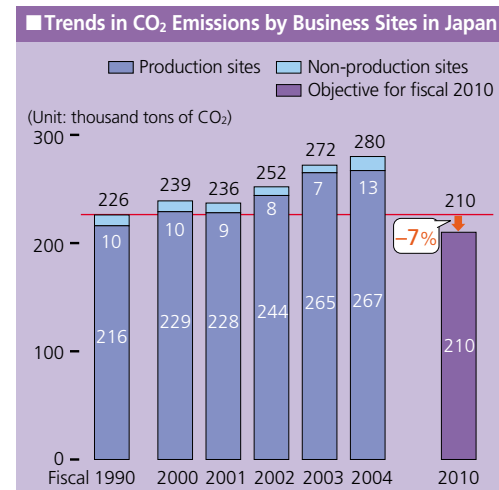
Reduction in CO₂ emissions from business sites

We aim to reduce CO₂ emissions by 7% by fiscal 2010 compared to fiscal 1990 levels.

In February 2005, the Kyoto Protocol came into effect, and corporate responsibility to act to reduce CO₂ emissions from business premises has increased.

Konica Minolta has also decided to reinforce its activities by defining "reduction of CO₂ emissions from Group business premises in Japan by 7% by fiscal 2010 compared to fiscal 1990 levels" as a core priority.

We are not only reinforcing conventional measures, such as installation of equipment and facilities but also reinforcing software including action systems and rules for equipment investment with the aim of expanding our prevention activities against global warming and enhancing their effectiveness.



Modification from Sustainability Report 2004: Data collection scope has been amended to comply with the Kyoto Protocol. The CO₂ equivalent coefficient in fiscal 2003 for electricity usage in Japan published after issuance of the above report was used for domestic results for fiscal 2003.

Manufacturing initiatives

We promote reduction in CO₂ emissions at manufacturing sites.

Manufacturing sites inevitably consume more energy than offices, and thus measures implemented from the manufacturing stage are crucial to maximize any reduction in CO₂ emissions.

In fiscal 2004, we implemented reduction measures at each site, such as changing our boilers from heavy oil to natural gas powered, installation of highly efficient manufacturing equipment and converting the facilities and equipment to inverter-based equivalents.

For fiscal 2005, we are implementing comprehensive assessments of energy use at business sites that emit the most CO₂, determining reduction points and also trying to decrease the overall level of CO₂ emissions through effective horizontal implementation.



Natural gas boilers

The Director-General of the Agency of Natural Resources and Energy commended our Odawara Site.

The Odawara Site was commended by the Director-General of the Agency of Natural Resources and Energy (electricity sector) under the "Fiscal 2004 commendations for superior energy-managing plants" held by the Ministry of the Economy, Trade and Industry. This commendation is accorded to business sites that promote energy savings through effective use of electricity and fuel via rationalization of energy usage. This commendation was awarded after winning recognition for continuous reductions in the annual power consumption per basic unit by conducting multi-phased energy-saving activities via such means as waste heat recovery, cogeneration and use of alternative energy.



Commendation ceremony for superior energy-managing plants

Transport initiatives

We are promoting a modal shift from road transportation to rail and sea.

The Konica Minolta Group is promoting a modal shift away from long-distance truck usage to transport by rail and sea. In Japan we have been using rail or sea for long-distance transportation of our products, such as photographic paper and films, and have also adopted this method for specified mid-distance transportation since fiscal 2004.

Furthermore, we have been trying to improve our logistical efficiency by using the return portion of the journey after product delivery to recover used copiers and photographic developer equipment, incorporating multi-site deliveries and integration of distribution centers.

Sales measures

Adoption of electric-powered vehicles by sales companies

In fiscal 2004, Konica Minolta Business Solutions Japan installed three electric vehicles at the Kyushu branch. Service engineers use them when visiting customers for maintenance of multi-functional devices and other equipment. Because their environmental impact is less and the compact body affords better mobility when traveling in urban areas, the number of business sites adopting this type of vehicle is gradually increasing.

This year, each service engineer's territory was reviewed, so that our engineers can visit more customers per outing in the most efficient manner. As a result, we have been able to reduce CO₂ emissions by 433 tons a year thanks to reduced journey distances in Japan.



Adoption of electric vehicles