

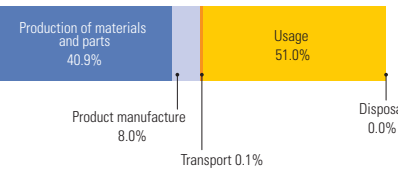
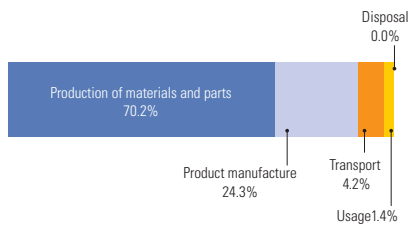


# Konica Minolta and the Environment

Konica Minolta produces a wide range of products—from copiers to single-use cameras and optical devices—and our business activities—from resource and material procurement, through manufacturing, transportation and product disposal—involve many implications for the environment. We have therefore created our own environmental rules and regulations, based on the ISO 14001 international standards for environmental management, and are working to conduct our activities in an environmentally sound manner, including creating and promoting environmentally sound products.

## Features of Our Environmental Consideration for Each Product

|                            | Digital multi-function devices and laser printers   | Single-use cameras   |
|----------------------------|---|--|
| Products                   |  <p>bizhub C350</p> <p>Page Pro 1300W</p>   |  <p>Goody BEST Single-Use Camera</p>  |
| Global warming             | <p>Usage accounts for about 50% (Digital multi-function devices)</p>  <p>Energy efficiency during usage has been improved significantly through the development of more energy efficient technologies.</p>  | <p>Production of materials and parts accounts for about 70%</p>  <p>We promote the reuse of parts, which saves the energy that would have been needed to manufacture new parts, and achieved a reuse ratio of over 90% (by total number of parts).</p>  |
| Other environmental issues | <p><b>Resource Consumption and Global Warming Impacts</b></p> <p>By developing polymerized toner, we have reduced the consumption of CO<sub>2</sub> during production of toner by 32.4%. We have also reduced the consumption of toner by making toner particles more uniform, and installing built-in toner recycling systems.</p> <p><b>Resource Consumption and Disposal Issues</b></p> <p>We collect, reuse and recycle used toner cartridges for printers, toner bottles for digital multi-function devices, and the devices themselves.</p> <p><b>Information Disclosure</b></p> <p>We actively disclose information about our products through the "Ecoleaf" Type III environmental labeling system. We have also received "system certification" from the Japan Environmental Management Association for Industry (JEMAI) to authorize our internal data collection system used to gather information to be used in labeling for our copier and printer businesses.</p> | <p><b>Resource Consumption and Disposal Issues</b></p> <p>Konica Minolta started collecting used single-use cameras from consumers in 1990, and began reuse and recycling of these products on a large scale in 1992, and our initiative has been highly praised as an example of successful product recycling.</p> <p><b>Chemicals with Environmental Impacts</b></p> <p>With the models released in March 2002, we became the first in the world to sell single-use cameras made with lead-free solder; all of our models newly developed since then are lead-free.</p> <p><b>Information Disclosure</b></p> <p>Through the Internet, we disclose product information using the Ecoleaf Type III environmental labeling program, and place the Ecoleaf logo on product packaging to indicate our participation in the program.</p> |

The products manufactured by Konica Minolta span a wide range, from single-use cameras and color film, to digital cameras, digital copiers, different types of lenses and photographic developing equipment and triacetyl-cellulose (TAC) film for use

in LCDs. For all of these types of products, we work to reduce the environment impacts throughout each product's life cycle. Here are examples of the environmental consideration that goes into different Konica Minolta products.

| Color film / Printing paper / Film developer  | Digital cameras  | Triacetyl-cellulose (TAC) film for use in LCDs / Plastic lenses for CD and DVD players   | Product lines  |
|---|--|--|--|
|  <p>Eco JET</p> <p>CENTURIA SUPER 400</p>  |  <p>DiIMAGE Z2</p> <p>DiIMAGE Xg</p>  | <p>Triacetyl-cellulose (TAC) film for use in LCDs</p>  <p>Aspherical plastic lenses</p>  |  |
| <p>Product manufacture account for about 60% (Color film)</p>  <p>We introduced electrical co-generation systems at our plants as early as 1987, and now have three such systems .</p>  | <p>Production of materials and parts accounts for about 70%</p>  <p>By reducing the size and weight of our products, we have reduced the use of raw materials, and thus the energy consumed in the production of raw materials .</p>  | <p>Product manufacture account for about 85% [Triacetyl-cellulose (TAC) film for use in LCDs]</p>  <p>As we work to increase productivity at our plants, we also promote reductions in energy consumed per unit of production .</p>  | Proportion of CO <sub>2</sub> released during each stage of product life cycle, and measures taken |
| <p><b>Hazardous Chemicals</b></p> <p>When we develop new products, we conduct a product assessment, which includes a "Safety Verification" system—an analysis of risks from any new chemical substances used in our products .</p> <p><b>Chemical Substances</b></p> <p>We promote information disclosure and risk communication for our plants. We hold "Community Environmental Briefings" at our Tokyo and Odawara sites to promote a dialogue with local citizens .</p> <p><b>Water Use</b></p> <p>Our film making plants consume large quantities of clean water. In order to reduce our use of water resources, we have set the target of reducing consumption by 20% by fiscal 2007, compared to fiscal 2002 .</p> | <p><b>Chemicals with Environmental Impacts</b></p> <p>We reduce our usage of hazardous chemicals by:</p> <ul style="list-style-type: none"> <li>■ Using lead-free materials for camera lenses and circuit board solder .</li> <li>■ Reducing the use of chromate-treated steel plate which includes hexavalent chromium compounds.</li> <li>■ Utilizing PVC-free materials for camera cases and coatings for cords used inside</li> </ul> <p><b>Resource Consumption and Other Issues</b></p> <p>Making products smaller and lighter not only reduces the consumption of resources, but also helps to reduce the energy needed for transport and the environmental impacts from product disposal. By using Konica Minolta's specially designed curved zoom lenses, we are making our cameras more compact and lightweight.</p> | <p><b>Chemical Substances</b></p> <p>At our plant where we produce triacetyl - cellulose (TAC) film for use in LCDs, we recover and recycle organic solvents, reducing the amount released into the atmosphere . This equipment is able to recover 99.7% of these chemicals .</p> <p><b>Resource Consumption, Global Warming and Chemical Substances</b></p> <p>Because the thickness of the triacetyl - cellulose (TAC) film for use in LCDs has been halved, we were able to achieve a 50% reduction in the amount of raw materials consumed per unit produced—as well as a 30% reduction in the use of energy, and a 50% reduction in the amount of organic</p> <p><b>Resource Consumption and Disposal Issues</b></p> <p>We sort the scrap plastic left over from the manufacture of our lenses, which then is recycled to manufacture shipping cases for lenses and for other uses, such as building materials.</p> | Measures taken for Konica Minolta products   |