

Post-use IT Product Recycling

Efforts to collect and recycle post-use IT products to help realize a cyclical society

Policy

We are promoting establishment of a global recycling network to fulfill our extended producer responsibility (EPR)*¹ as a manufacturer operating in international society and to help create a resources recycling society. In Japan, we promote recycling through full use of cutting-edge recycling technologies as well as by encouraging collection system expansion.

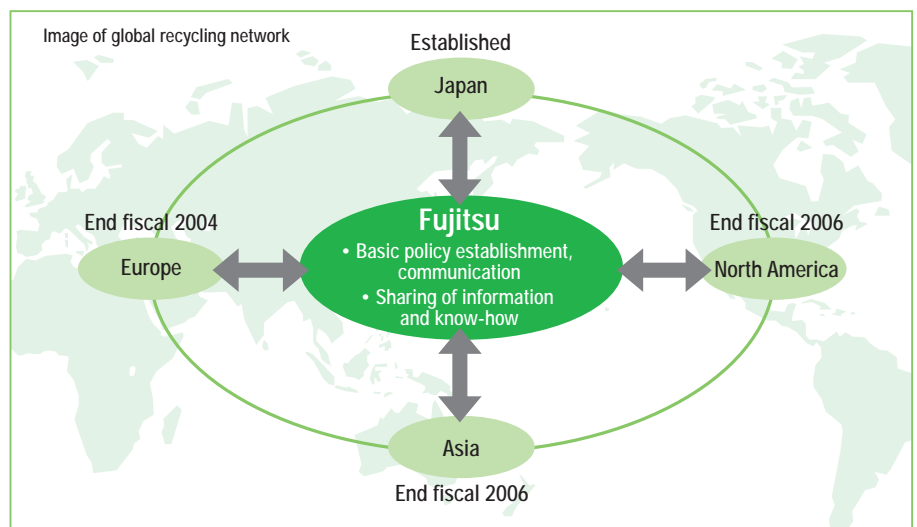
Fujitsu Group Environmental Protection Program (Stage IV) targets

- <Overseas> To establish the recycling system in Europe by the end of fiscal 2004, and in North America, Asia by the end of fiscal 2006.
- <Domestic> To increase the reuse and recycling rate*² of collected end-of life products in Japan up to 90% by the end of fiscal 2006.
To increase the utilizing rate*³ in Fujitsu Group in Japan of collected waste plastics up to 20% by the end of fiscal 2006.

Measures

1. Promotion of global recycling network establishment

We are promoting the establishment of a global recycling network through cooperation among our recycling system in Japan and those of Fujitsu Group companies overseas aimed at environmental burden reduction and recycling and appropriate treatment of resources from a global perspective. We are extending the network, initiated in Japan, to Europe, where a directive concerning post-use electric and electronic appliance recycling came into force in February 2003, and to North America and Asia, where recycling requirements are increasing.



2. Promotion of recycling

We promote recycling of collected post-use products in Japan and strive for recycled use of waste plastics.

Results

Fujitsu Environmental Protection Program (Stage III) targets

- Recycling system for collected post-use products to be established by fiscal 2003 year-end (Fujitsu Group)
- Recycling rate for collected post-use products to achieve 90% by fiscal 2003 year-end (Fujitsu)

Fiscal 2003 Results

Collection system expansion Additional recycling center for business

The Fujitsu Recycling System established the new Metropolitan Area Ayase Recycling Center (PFU Life Business, Ayase City, Kanagawa Prefecture) in fiscal 2004 as a counterpart to its existing Fujitsu Metropolitan Area Sagami-hara Recycling Center (Fujitsu Kasei, Sagami-hara City, Kanagawa Prefecture). The addition has enhanced the customer services and smooth

operation of the Fujitsu Recycling System in the Tokyo Metropolitan Area, where large quantities of recyclables are concentrated.

Reception desk for corporate customers/Eco Center

Phone: +81-45-470-5305

Fax: +81-45-470-5304

(Office hours: 9:00 a.m. ~ 5:00 p.m., except Saturdays, Sundays, national holidays and company holidays)

Recycling system establishment by domestic Group companies

We achieved the domestic Group target of establishing a recycling system for post-use products by individual companies in May 2003. Among individual efforts by the various Group companies, Fujitsu CoWorCo is working to improve its toner collection rate and Fujitsu Isotec is implementing plastic recycling aimed at meeting target values.

*1, 2, 3 See definitions on page 67.

Establishment/operation of collection/recycling system for post-use home PCs

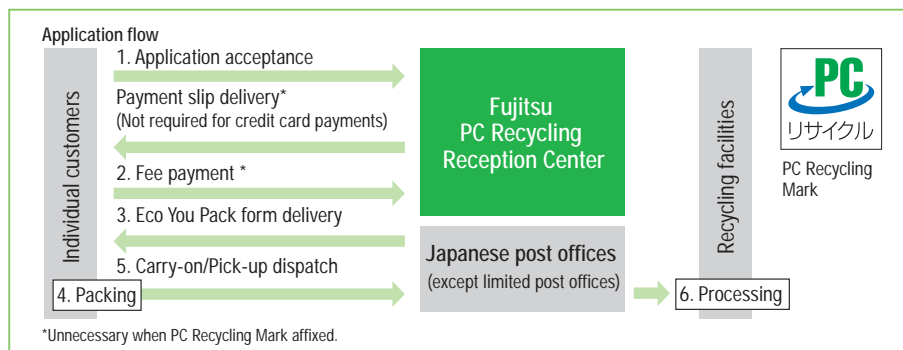
We have operated a collection and recycling system for post-use home PCs since October 2003, based on the Law for Promotion of Effective Utilization of Resources and employing a collecting system common to the industry using nationwide post offices in cooperation with Minister of the Environment-designated Japan Post and PC recycling facilities. We collected and recycled 16,710 personal computers during the last six months of fiscal 2003. We also provide an Internet service for checking the recycling progress of PCs discarded by customers.

Reception desk for individual customers/ Fujitsu PC Recycling Reception Center

<http://azby.fmworld.net/recycle/>

Phone: +81-3-5715-3140

(Office hours: 9:00 a.m.–5:00 p.m., except Saturdays, Sundays, national holidays and company holidays)



Recycling promotion

Improvement of resources recycling rate

Fujitsu collected 12,172 tons of post-use business products, raising the resources recycling rate to 86.6%, up 2.5 points from 84.1% in fiscal 2002. We were unable to achieve our Stage III target, however, due to issues involved in waste plastic recycling (material identification, removal of attached metals, etc., development of applications). We are continuing efforts to meet this target in Stage IV.

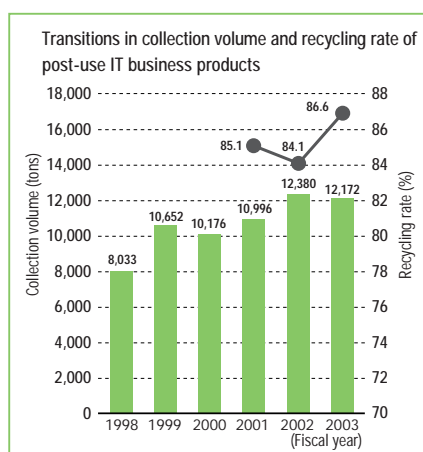
• Plastic separation

We are pursuing increased separation of plastic parts by such means as dissolution into a single material and introducing materials-differentiation machinery to remove foreign substances, despite an increase in the portion of collected post-use products employing lightweight compound materials. We also promote recycling of vinyl chloride resin, polyurethane resin and optical cables.

• Magnesium alloy recycling

We achieved practical application of a

recycling technology for a magnesium alloy employed in notebook PC cases and began applying it to products we collect in autumn 2002. Compared with the conventional process (without recycling), this realized an approximately 20% burden decrease throughout the life cycle (CO₂ conversion). We have recycled 30 tons of magnesium alloy after paint removal so far and employed it in approximately 200,000 notebook PCs.



Recycling system establishment in Europe

We have introduced preparatory measures prior to August 2005, when recycling will be required for manufacturers in the EU. We have created a network for information exchange among European Group companies to share insights into trends in industrial organizations and legislation in various countries, for example, and organized biannual European environmental conferences to confirm the

progress of establishment work and resolve pending issues.



A European environmental conference in progress

Countermeasure to prevent leakage of customer data

Fujitsu Recycling System pursues positive efforts to prevent leakage of customer data from collected PCs. We comply with the JEITA "Guideline on hard disk data erasure at the time of PC disposal and assignment" in Japan, and we have developed software corresponding to various erasure standards of the DOD (Department of Defense) and NSA (National Security Agency) in the United States. We also employ special equipment to physically destroy hard disks.

FDK Eco Tech has developed a compact disc (CD) crusher, and we have prepared systems to respond to customer requests concerning various memory media, including data erasure by physical destruction or strong magnetism.

