



# Environmental Conservation Activities

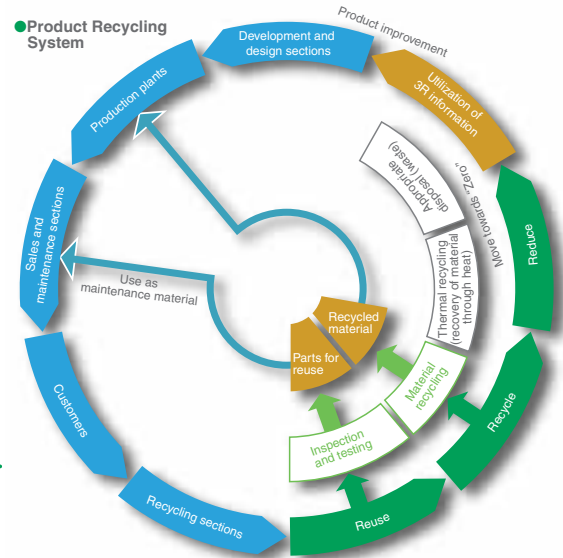
## 3R-Activities for Used Products

### [Product Recycling System]

To build a recycling-based society, we need to use resources in an effective way and reduce waste. For this purpose, the Oki group promotes "3R Activities" for used products. As for "reuse"—Oki Customer Adtech Co., Ltd., a group company in charge of maintenance and service, has been conducting functional tests, diagnosis, stress tests, maintenance and overhauling of reusable products and selling supplementary material for maintenance and used products since fiscal 1995. As for "recycle"—Oki Electric established a testing and demonstration plant (currently the recycling center of Oki Supply Center Co., Ltd.) at the Honjo production plant in July 1999. Here, Oki products are disassembled and recycled. As for "reduce" (control of waste generation), we strive to develop, manufacture and sell "environment-conscious products" through product assessment. For this, we utilize information from, for example, the recycling sections. We are also operating individual recycling systems for home computers, used printer consumables and small rechargeable batteries. For details, please see page 18.

### [Approval as a Designated Recycling Manufacturer]

On November 4, 2003, Oki Electric was approved as a Designated Recycling Manufacturer. Before, we had been recycling used Oki products traded in as waste from the customers, but now that we are approved, we can directly pick up the old products as waste from our customers and recycle them. Oki promotes the reuse and recycling of used products (including business computers) by utilizing this scheme for the used product recycling system already built. For details, please see page 6.



## Concrete Recycling Efforts

### Disassembly of ATMs

To increase efficiency, large equipment such as ATMs is disassembled in three phases: disassembly into large parts, disassembly into medium parts, and disassembly into small parts. To accelerate the speed, we installed air screwdrivers and air nippers to reduce the working time. When disassembling small units (3-50 kg), we try to maximize efficiency by using rotating work tables and special tools so that the disassembly can easily be done by one person.



Disassembly of ATM into Large Parts

- 1 [Disassembly into large parts]  
The work of taking large units from the inside of the equipment (card reader unit, etc.) out of the chassis.
- 2 [Disassembly into medium parts]  
The work of sorting material while disassembling units from the disassembly into large parts (such as card readers) into components.
- 3 [Disassembly into small parts]  
The work of disassembling and sorting components made of multiple materials.

### Preventing Data Leakage and Destroying the Functionality of PC Hard Disks, etc.

Data, etc. left on PC hard disks are completely erased and destroyed. In the work process, the printed circuit boards and the mechanical parts of hard disks, etc. are always exposed to shock to destroy their functionality and to prevent data from leaking out.

- ◆ We destroy data using a hard disk-crusher that destroys the magnetic surface with a powerful magnet.
- ◆ Floppy disks, CD-ROMs and other media are destroyed in shredders.

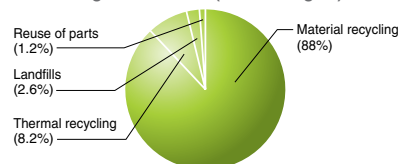


Complete erasure and destruction of PC hard disks, etc

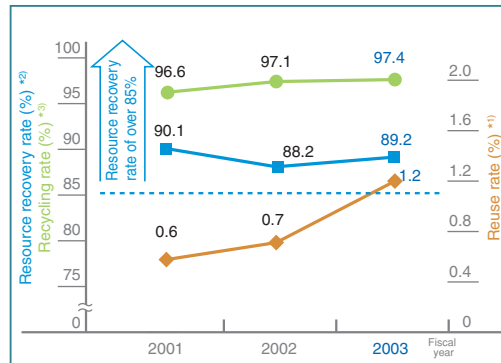
## Results of used product recycling

Through the above efforts, we collected 2,155 tons of used products, mainly ATM (automated teller machines) equipment, in fiscal 2003. The resource recovery rate in the Kanto region, where a large quantity of used products is collected, reached 89.2%, clearing the goal of 85%. The collected quantities of printer consumables increased by 35% compared to fiscal 2002. We will continue to promote our efforts for even more efficiency in the recovery of resources.

### Processing in Fiscal 2003 (in Kanto region)

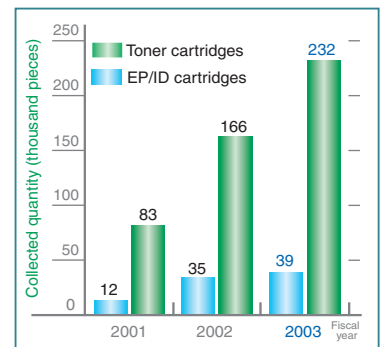


### Transition in Used Product Recycling (Kanto Region)



- \* 1) Reuse rate: The ratio of reused products to collected used products (in weight).
- \* 2) Resource recovery rate: The ratio of material recycling and reuse to collected used products (in weight).
- \* 3) Recycling: The ratio of material recycling, thermal recycling and reuse to collected used products (in weight).

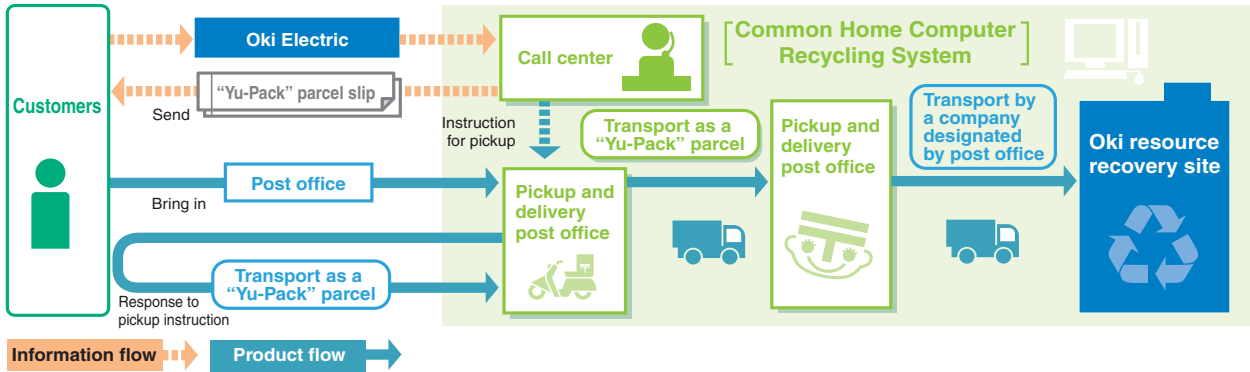
### Transition in the Quantity of Collected Printer Consumables



# Environmental Conservation Activities

## ■ Home Computer Recycling System

Based on the Law for Promotion of Effective Utilization of Resources, we started PC recycling in October 2003, collecting and recycling used PCs from homes. In doing so, customers and manufacturers work together to reduce waste and promote the efficient use of resources by recovering the resources of used PCs. Oki Electric participated in the construction of a common scheme promoted by the PC 3R Promotion Committee of JEITA (Japan Electronics and Information Technology Industries Association), which uses the services of Japan Post.

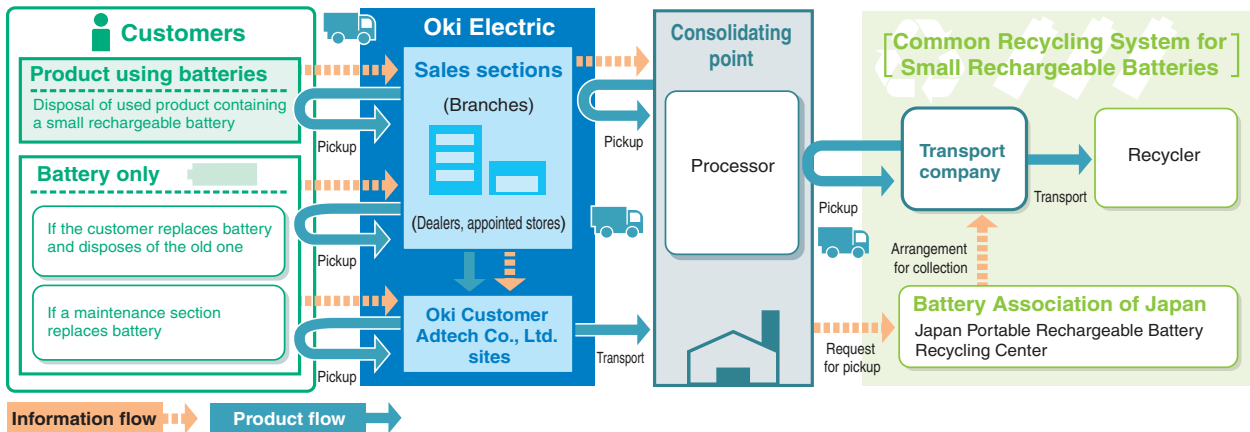


## ■ Recycling System for Small Rechargeable Batteries

According to the "Law for Promotion of Effective Utilization of Resources", manufacturers of small rechargeable batteries (sealed accumulators) and manufacturers of equipment using small rechargeable batteries have the obligation to "collect and recycle used small rechargeable batteries" as designated recyclers. This came into effect in April 2001. Oki Electric, a manufacturer of equipment using small rechargeable batteries,

obtained the "approval regarding the voluntary collection and recycling of used designated recycling products" from the Ministry of the Economy, Trade and Industry and the Ministry of the Environment in July 2001, and has since been collecting and recycling together with the "Japan Portable Rechargeable Battery Recycling Center\*1)" of the Battery Association of Japan.

\*1) Japan Portable Rechargeable Battery Recycling Center: Changed to "JBRC" on April 1, 2004.



## ■ Recycling System for Used Printer Consumables

Oki Data Corporation, a group company developing and manufacturing printers and facsimile machines, etc., is working on recovering resources in consumables such as toner cartridges or EP/ID units\*2), aiming to ensure an effective use of resources.

\*2) EP: Electro Photographic, ID: Image Drum

