

# Product Recovery and Recycling

## Casio Ideas on Recovery and Recycling

Many industrial products are made primarily with resources extracted from underground, such as oil and minerals. Since these resources are limited, it is clear they will be exhausted in the future if people continue extracting them as now. It is essential that we quickly reduce the further extraction of resources while reusing those which we already have.

Casio began recovering corporate-user tape cartridges from our Label Printer electronic stationery

in FY1999, and printer drums and toner sets for printers in FY2000.

In FY2001 we started recovering PCs, information and communications equipment, and rechargeable batteries from corporate users, and in FY2002 we began recovering the tape cartridges from consumer label printer appliances.

## Specific Actions for Recovery and Recycling

### 1. Recovery and recycling of PCs and other products

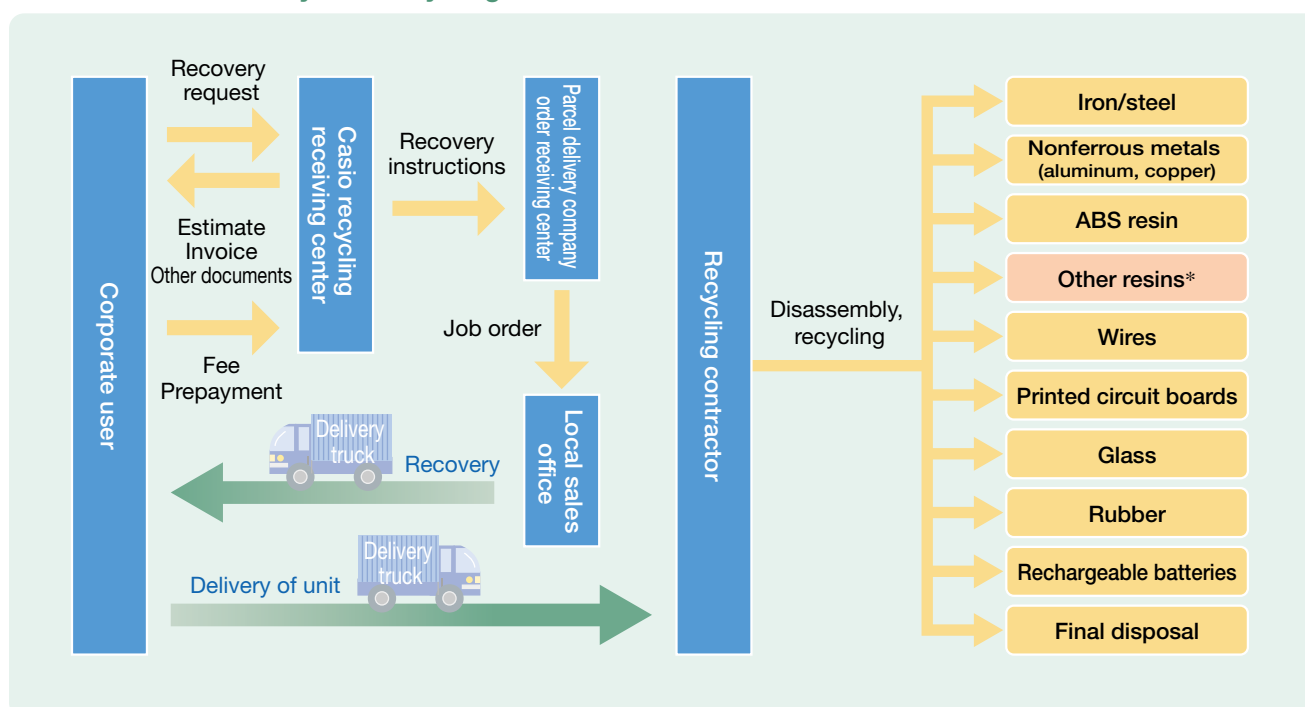
With the idea that promoting recovery and recycling necessitates creating a program by which one visits customers to take back used products, we worked out a take-back program with a parcel delivery company last year, and on February 21, 2002 launched a full-scale take-back program for corporate users (see flowchart below).

Recycling of recovered products started last year, and we have attained a 96.7% recycling rate for PCs. With plastic resins, for example, ABS resin is reused as a raw material. Other resins\* that we were previously unable to reuse as raw materials are used

as the protective covers for optical fibers and other signal cables, as tire stops in parking lots, and other applications.

- **Recovered products:** Casio PCs, Servers, Work stations, Printers, Monitors, Handheld terminals, Electronic Cash Registers/POS terminals, and other information and communications equipment.

### Procedure for Recovery and Recycling of PCs and Other Products

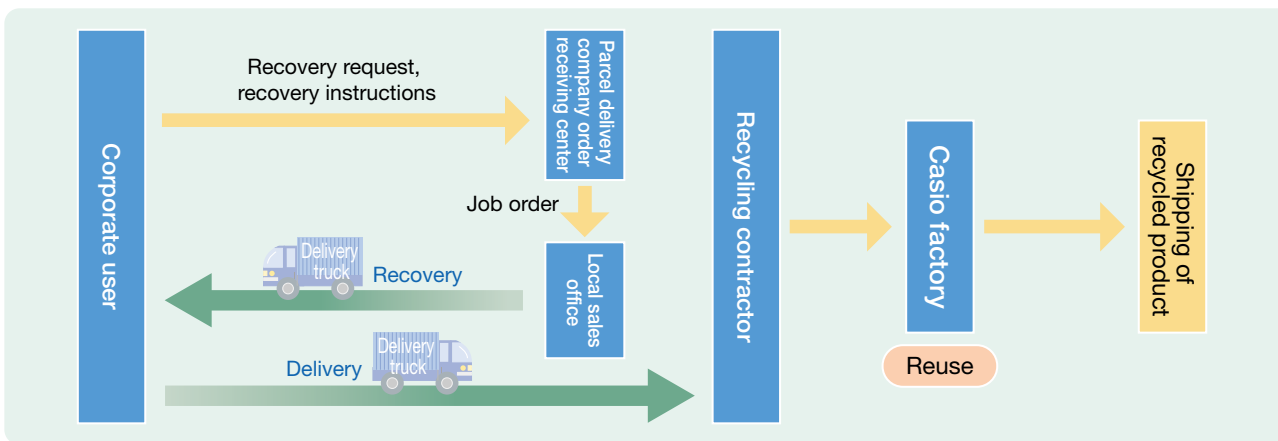


## 2. Recovery and Recycling of Consumables

### 1) Printer Drums and Toner Sets

We provide free take-back services for corporate-users (See flowchart below).

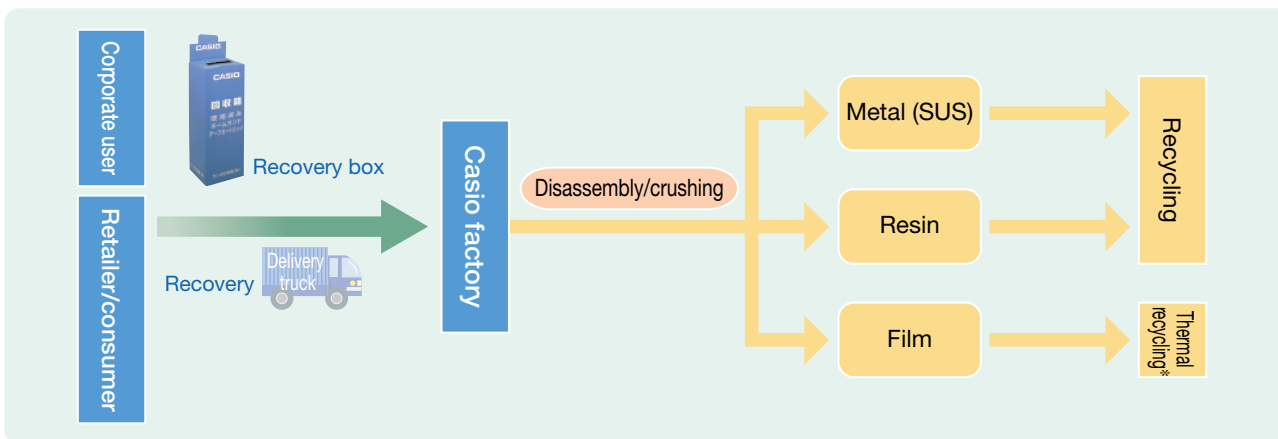
#### Procedure for Recovery and Recycling of Printer Drums and Toner Sets



### 2) Tape cartridges of label printer electronic stationery

In addition to recovery of cartridges from corporate users, we began recovering them from consumers via retailers in June 2002 (see flowchart below).

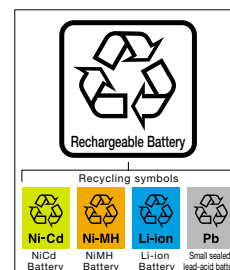
#### Procedure for Recovery and Recycling of Label Printer Tape Cartridges



### Recovery and Recycling of Rechargeable Batteries

Rechargeable batteries are used to power PCs, digital cameras, and other products. Their materials include nickel (Ni), cadmium (Cd), cobalt (Co), lead (Pb), and other scarce resources. Creating good programs and recycling are important for using these resources without wasting them.

Casio is a member of JBRC. We have put secondary battery recovery boxes in service stations and other locations and seek to gain the cooperation of retail stores and consumers in battery recovery and recycling.



These are recycle symbols on batteries. Put them in this box at the store.



### Glossary

#### Thermal recycling

Use of heat from combustion of wastes that cannot be recycled otherwise.