

## Ricoh Equipment De-manufacturing Program

Non-leased equipment returned to Ricoh as a trade-in or trade-up are transported to one of Ricoh's certified de-manufacturing partners for environmentally safe disposal.

Obsolete equipment can contain materials that are both valuable and hazardous to our environment. Our de-manufacturing partners guarantee all equipment is processed into recyclable components while hazardous materials are properly disposed of. Steel, aluminum and other precious metals are harvested for re-use. Certificates of Destruction are issued to Ricoh assuring that disposed products do not reenter the marketplace. Our de-manufacturing partners also provide secure data destruction services. Disk drives are completely shredded, thus destroying sensitive data and protecting customer confidentiality.

Using state-of-the-art de-manufacturing systems, our facilities recover an average 98.5% of the materials used in the equipment. The remaining 1.5%, such as dirt and dust, are sent to waste-to-energy facilities.

Used machines are processed, reduced and separated into clean commodity streams of mild steel, aluminum, copper, brass, zinc, plastics and precious metals.



Commodity	Sent to
Steel	Steel Mills
Aluminum	Aluminum Smelters
Glass	Glass Processors
Plastic	Plastic Recyclers
Circuit Boards	Copper Smelters
Copper Bearing Materials	Copper Smelters
Paper	Paper Recyclers
Toner	Waste to Energy Facilities

- Each facility is ISO 14001 certified – Environmental Management System
- Each facility is ISO 9000 certified – Quality Management System
- Proper safety provisions are implemented for the health and safety of employees working in these facilities
- Machines are totally disassembled within our partners US facilities. No components are sent overseas for non-sanctioned dismantling and disposal
- Each facility is secured with fencing, gates, locked doors, cameras and security system



This canister represents the various commodity streams recovered from de-manufactured equipment.

Certified by Ricoh Environmental Management and Product Compliance Department