

Technical Information Sheet

1. Name of technology	OA equipment recycling technology
2. Type of technology	Copy machines, printers, fax machines, PCs and other office electronics equipment are sorted through manual disassembly into finely-separated materials so that the majority thereof can be collected and recycled.
3. Description of technology	<div data-bbox="411 488 1484 992"> <p>[Objective and application of the technology] Office equipment includes objects that may have an impact on the environment if they are directly disposed of at landfill sites, and some objects that are difficult to process. Conventionally, discarded office automation equipment has been shredded, and only a small part of the materials have been recovered. This technology sorts office automation equipment into separate materials through manual disassembly, so that each material can be recycled.</p> <p>[Characteristics of the technology] Manual disassembly can exactly sort objects into different types of materials. It can disassemble and sort not only office equipment but also other various types of machinery. Different pieces of equipment (manufacturers) are assembled by different assembly methods, which means different methods are required to disassemble them. We have built up technical expertise in disassembly that ensures a recycling rate of at least 99% in Japan, based on our past performance.</p> </div> <div data-bbox="427 1043 1085 1084"> <h3 style="text-align: center;">OA Equipment Treatment Flow Chart</h3> </div> <div data-bbox="432 1095 1273 1585"> <pre> graph TD A[Receipt of goods] --> B[Weighing machine] B --> C[Sorted] C --> D[Storage space] D --> E[Rack] E --> F[Disassembled] F --> G[Sorted] G --> H[Plastic] G --> I[IC substrates] G --> J[Glass] G --> K[Motors] G --> L[Aluminum] G --> M[Cables] G --> N[Frames] G --> O[Mechanical parts] H --> P[Plastic crushing facility] I --> Q[Weighing machine] J --> Q K --> Q L --> Q M --> Q N --> Q O --> Q P --> R[Metal detector] R --> S[Metal] R --> T[Crushed fragments] S --> U[Weighing machine] U --> V[Rack for goods ready for shipment] U --> W[Storage space for goods ready for shipment] V --> X[Shipped to manufacturers] W --> Y[Weighed and shipped out] </pre> </div> <div data-bbox="450 1626 632 1854"> </div> <div data-bbox="414 1850 678 1883"> <p>Before disassembly</p> </div> <div data-bbox="772 1632 935 1850"> </div> <div data-bbox="721 1850 986 1883"> <p>During disassembly</p> </div> <div data-bbox="1062 1632 1244 1850"> </div> <div data-bbox="1034 1850 1276 1883"> <p>After disassembly</p> </div> <div data-bbox="411 1942 627 1975"> <p>[Delivery record]</p> </div> <div data-bbox="406 1980 1482 2040"> <p>We have been providing this technology since 2003, when operation started in Kitakyushu Eco-town.</p> </div>

Objective, application, characteristics, delivery record, and price of technology

	[Price and other inquiries] Person in charge: Yoichi Hotta Planning and Sales Department, Shinryo Corporation TEL: +81-93-643-2778 E-mail: #SRY-KR-WEB-KANKYOU@shinryo-gr.com
4. Classification of technology	
(1) Applicable fields	Industrial waste treatment
(2) Target waste	Waste plastic, Electric home appliances (excluding the four designated items), Electronic products, Cellular phones
(3) Services provided	Waste treatment service
5. Countries to which this technology can be provided	China and ASEAN countries
6. Keywords	Kitakyushu Eco-town, manual disassembly of OA equipment, OA equipment recycling
7. Contact information	Person in charge: Yoichi Hotta Planning and Sales Department, Shinryo Corporation TEL: +81-93-643-2778 FAX: +81-93-643-2061