
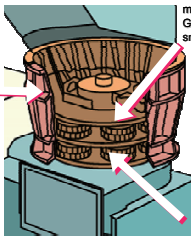




Technical Information Sheet

1. Name of technology	Fine shredder for discarded home appliances, circuit boards, and turnings
2. Type of technology	This shredder crushes discarded home appliances into fine pieces, enabling higher-efficiency recovery of iron, aluminum, and nonferrous materials.
3. Description of technology Objective, application, features, delivery track record, and price of technology	<p>[Objective and application of the technology] This shredder crushes discarded home appliances into pieces of almost the same size and shape, enabling higher-efficiency sorting of iron, aluminum, and other metals that are recovered in the downstream processes.</p> <p>[Characteristics of the technology] Kubota's shredder is designed to have a vertical structure, enabling combined crushing with the upper-stage BREAKERS performing rough crushing (by impact & shearing) and the lower-stage GRINDERS fine crushing (by compaction, tearing, & rubbing) to produce fine, uniformly sized pieces.</p> <p>[Delivery track record] (As of January 2013) Domestic: Local government bodies – 217 units Private companies – 142 units Overseas (South Korea, China, etc.): 13 units</p> <p>[Price and other inquiries] Department: Sales Section, Recycling Engineering Department Person in charge: Sone (Mr.) Contact: +81-3-3847-3920 E-mail: w-sone@osa.kubota-ksk.co.jp URL: http://env.kubota.co.jp/recycle/</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div data-bbox="933 750 1093 963" style="width: 20%;"> <p>Shell & Shell Liners SHELL is made of welded thick steel plates. The inside of the SHELL is lined with SHELL LINERS made of wear-resistant cast steel.</p>  </div> <div data-bbox="1093 750 1284 985" style="width: 30%;">  </div> <div data-bbox="1284 694 1476 1052" style="width: 20%;"> <p>Breakers & Grinders BREAKERS installed at the upper part of ROTOR coarsely crush bulky materials. Then gear-shaped GRINDERS shred materials into smaller particles.</p>  <p>Sweepers SWEEPERS forcibly discharge shredded materials by centrifugal force.</p>  </div> </div>
4. Classification of technology	
(1) Applicable fields	Municipal solid waste treatment, Industrial waste treatment, Recycling
(2) Target waste	Waste plastics, Glass bottles, Steel cans, Aluminum cans, Food waste/raw garbage, Construction waste, Electric home appliances, Electronic products, Cellular phones, Automobiles, Other
(3) Services provided	Sales of machinery and equipment
5. Countries to which this technology can be provided	East Asian countries, such as China and South Korea; Southeast Asian countries, such as Thailand and Vietnam (For other countries, contact Kubota Environmental Service.)
6. Keywords	Shredder, Crusher, vertical, recycling, Kubota, Kubota Environmental Service
7. Contact information	KUBOTA ENVIRONMENTAL SERVICE CO., LTD. Department: Sales Section, Recycling Engineering Department Person in charge: Sone (Mr.) Contact: +81-3-3847-3920 E-mail: w-sone@osa.kubota-ksk.co.jp URL: http://env.kubota.co.jp/recycle/