

# 8<sup>th</sup> World Congress and Expo on Recycling

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## Waste electric and electronic equipment management and recovery technologies in China

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Since 21 century waste electric and electronic equipment (WEEE) has appeared into public concerning as well as sustainable development concepts has been accepted by public communities. Environmental issues and resourcing benefits from WEEE have promoted to improve management system and innovation technology. In order to deal with the illegal imports of WEEE, China has promulgated many laws and regulations to restrict and prohibit the import of WEEE, including multilateral environmental agreements. After that, the relevant policies and regulations on the management and processing of WEEE have been formulated in accordance with the national conditions in China. On July 1, 2012, China has issued the Management Regulation of Collection and Use of the WEEE Disposal Fund to support the enterprises which have obtained the qualification of a WEEE disposal enterprise for recovering WEEE. At present, the well-established domestic WEEE recycling and resource processing enterprises are generally equipped with the automatic television dismantling line, cathode ray tube (CRT) hot blast system, non-metallic powder regeneration system, precious-metal electrolytic recycling system, cartridges resource recycling system, printed circle board (PCB) separation system, computer dismantling line, automatic refrigerator dismantling line, air conditioner dismantling line, foam compressor, washing machine dismantling line, etc. Some new technologies for smart phones, lithium ion batteries and liquid crystal display panels (LCD) recovery have been developing. Eco-design, urban mining and integrated enterprises for minimum environment impact in production and consumption of electric and electronic equipment has been concerned.

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