

Eco-friendly Products/Environmental Technologies

Eco-friendly solutions extending to product and technology development

In addition to @EcoVISION solutions, Fujitsu has developed a wide range of easily recycled and energy-saving products. Fujitsu offers customers various technologies it has developed for the decomposition and elimination of environmental pollutants, a few of which are introduced here.

Green Products



Color Printia LASER XL-C3100
 • International Energy Star program compliant (standby mode power consumption: 20.2W)
 • Used toner cartridge collection



fi-4010CU image scanner
 • International Energy Star program compliant (standby mode power consumption: 4.4W)
 • Labeling of all plastic parts exceeding 25g

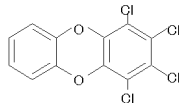


PRIMEPOWER 600 pedestal
 • Energy Law 2005 target standard compliant (energy consumption efficiency: 0.23/F classification)
 • Resource recyclability ratio: 97%

Plasma/Catalyst Technology for High-concentration Dioxin Decomposition

Working in conjunction with the Japan Fine Ceramics Center, Fujitsu Laboratories have succeeded in developing a technology that employs plasma*1 and catalysts*2 to decompose environmentally polluting gaseous dioxin*3 mixtures and transform them into non-toxic compounds. This method is capable of detoxifying over 100 times the dioxin concentrations possible with high-capacity plasma decomposition methods. Basic patents have been obtained for the technology in Japan and the United States.

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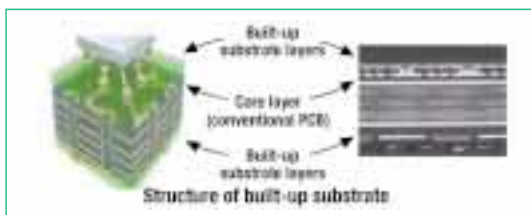


"Non-toxic dioxin compounds" used in experiments

[URL: http://pr.fujitsu.com/en/news/2000/06/28.html](http://pr.fujitsu.com/en/news/2000/06/28.html)

Eco-friendly, Halogen-free Built-up Substrate Insulator

Fujitsu has developed an eco-friendly built-up substrate insulator for use in multi-layered printed circuit boards that does not contain halogens or heavy metals. A special structural design gives the substrates higher bending resistance*4, a feature that promises to eliminate the tendency to release toxic hydrogen bromide or dioxin bromides during baking associated with conventional built-up substrates.*5 The new insulator is an attractive substitute employing a halogen-free flame retardant that is safe to burn.



Recycling Technology for a Magnesium Alloy Used in Notebook PCs

Fujitsu has developed a recycling process to ensure that no surplus magnesium alloy produced during the manufacture of notebook PCs is wasted. This process involves melting unnecessary parts and adjusting ingredients. Tests to make the housing of notebook PCs from recycled material have confirmed that the alloy can be recycled up to ten times without any loss of material quality or degradation. This process is already being applied on our production lines.

Eco-friendly Biodegradable LSI Embossing Tape

The first manufacturer of information products to develop LSI embossing tape that uses poly-lactide biodegradable plastic, Fujitsu introduced the material for LSI products in 2000. This biodegradable material is broken down by bacteria in landfills to produce water and carbon dioxide. And since it has a low thermal energy similar to that of wood, damage to incinerators is limited as well.

