

Three Sages Games selects earth friendly and Paper, Ink and Office Equipment.

Domtar EarthChoice[®] High Quality Paper with a Conscience



The paper you choose says a lot about you. Domtar EarthChoice says it louder and more positively than ever before. FSC-certified, Domtar EarthChoice is the responsible paper choice for any organization or individual committed to reducing their environmental footprint. It's about more than just paper. It's about you and the image you want to project, either personally, corporately, or for your brand. By using Domtar EarthChoice papers, you publicly demonstrate your environmental insights, priorities and undeniable commitment. See How the Domtar EarthChoice brand can add value to your brand.

FSC Certified



The high quality of this innovative line makes it easy for companies, printers, and designers to do the right thing for current and future generations. Domtar EarthChoice[®] is ideal for those who want ethical and ecological papers but must also consider price, availability, selection, and overall look.

Rainforest Alliance Endorsed



Domtar EarthChoice[®] is the broadest line of environmental papers available, featuring both coated and uncoated stock, with over 700 options.

INTERVIEW

Employee Interview

Development of plant-based toner

We have developed a toner containing plant-based resin (about 40%)

We have satisfied the quality levels and are attempting to put it into practical application, keeping costs low.

Ricoh has developed copier materials to replace petroleum-based resins, focusing on the development of product materials with less environmental burden. In 2005, we succeeded in putting plant-based plastic containing resin made from corn (more than 50%) into practical application. Ricoh is the first in the copier and printer industry to adopt this new material for use in copier and printer parts. Following that, noticing the fact that more than 80% of the components of the toner supplied to copiers and printers are petroleum-based resins, Ricoh began developing a plant-based toner. Having overcome various technical hurdles, we succeeded in developing a toner containing about 40% of plant-based elements by using a newly-developed polyester resin made from corn and other materials. The fixation temperature for this plant-based toner is the same as that for traditional energy-saving fixation type toner. This new toner satisfies similar high standards for heat resistance and picture quality as traditional toner. The remaining issue is cost, and compared with traditional products, the new toner is currently 20 to 30% more expensive. We are aiming to establish a mass production system within two years to achieve cost reductions and to put this plant-based toner into practical application. The amount of toner produced annually across the globe--including toner produced by Ricoh--has reached 185,000 tons*. If this amount of toner is replaced by plant-based toner, this is expected to reduce CO₂ emissions by approximately 120,000 tons.



Shinya Nakayama (Left) and Akihiro Kotsugai (Right)
Functional Materials Development Center, Imaging Engine Development Division

* "Worldwide toner production in 2005" researched by Data Supply Inc.