

CHAMPION & INNOVATOR PROFILES



Circular Economy Snapshots

1. *Planet Partners by HP*

The HP Planet Partners program recovers plastic from used ink cartridges and toners. Plastic is recycled to create new toners and ink cartridges.

Since 2000, more than 118 million pounds (53 million kilograms) of recycled plastic have been used in manufacturing new Original HP ink and toner cartridges, keeping 2,950 tractor-trailer loads of plastic from going to landfills

Companies sign up for the program and receive a collection box which is sent back to HP for recovery once full.



HP Closed Loop Program

2. *Mission Zero Journey by Interface*

The Interface product design system recovers old tiles from its customers and turns them into new ones. Once separated from the backing, the nylon yarn fluff is sent back to the company's yarn supplier to make new yarn and the backing is ground up and melted to supply feedstock for future production.

Interfaces nylon supplier Aquafil made possible the first 100 percent recycled nylon carpet fiber, which previously had been assumed to be technically and economically impossible.



3. *Levi Strauss*

Every Levi's store accepts old clothes and shoes of any brand, which the company collects and repurposes or recycles with its partner, I:CO. The collected clothes are transformed into things such as insulation for buildings, cushioning material and new fibers for clothing.

Levi's is working to establish an infrastructure that supports closed loop products by 2020. Eventually, the company hopes to be able to recycle old Levi's jeans into new ones. In more than 80 Levi's stores globally, there are tailor shops that can repair, resize and restyle denim products.



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4. *Besics Compostable Packaging*

BESICS Packaging supplies 100% compostable, biodegradable food service ware, packaging, and flatware that perform as well or better than conventional products, including sugarcane plates and bowls, hot cups, cutlery, wrap, and cellulose bags.

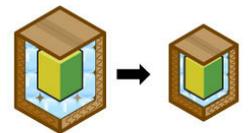
They are spearheading research into on-site compostability with local and international partners to answer the question of how to make sure compostable products go to the right place after use.

Every BESICS product is composted after use, and they partner with third party certifications and compost facilities to make that happen.



5. *Smart-Size Packaging by Staples*

Rather than using standard sized boxes for shipping orders to customers, in 2014 Staples implemented "smart-size" packaging whereby a machine takes cardboard and creates a custom sized box based on the order. This initiative reduces OCC waste and reduces need for placing packing pillows in boxes with extra space. Packaging equipment was developed by Packsize International which uses approximately 15% less cardboard is used, and 60% less plastic packing pillows used.



Reduces our:

- Cardboard use by **20%**
- Air pillows by **60%**
- Annual carbon emissions by **25,000 tons**

6. *Earthkeepers Boots by Timberland*



The Earthkeepers 2.0 is Timberland's first product designed to be disassembled and recycled, and is part of the Earthkeepers line of products that was created in 2007. The boot is 80 percent recyclable, and its soles are made with Green Rubber, a material that contains 42 percent recycled rubber tires that have been devulcanized.

When customers return the Earthkeepers 2.0 boots to Timberland, the company will be able to take the main parts of the boots apart, recycle the soles into new Green Rubber, have the leather parts refurbished and recycle the polyester lining. Compared to the previous Earthkeepers boots, the new products produce 15 percent fewer greenhouse gas emissions and use 15 percent more recycled or renewable content.

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7. *Ocean Plastic Bottles by Method*

Method teamed up with local beach clean-up groups and volunteers to collect plastic debris from the beaches of Hawai'i to use for our ocean plastic bottles. Method worked with our recycling partner, Envision Plastics, to create the world's first bottles made with plastic waste collected from the ocean. 2-in-1 dish + hand soap is packaged in the world's first bottles made with a blend of recovered ocean plastic and post-consumer recycled plastic, a combination that results in a uniquely gray resin.



8. *Multi Function Printer by Toshiba*

e-STUDIO306LP, also referred to as the ECO MFP, is the world's first Erasable Multi-Function Printer. It incorporates a unique erasable toner allowing users to reuse a paper up to five times. Heat is applied to the thermally sensitive toner, causing the colour to disappear.

ECO MFP enables businesses to reduce paper consumption and cost by up to 80 per cent, resulting in a 50-60 per cent decrease in CO2 emissions and 80 per cent reduction in water usage associated with the paper production process



9. *Boomerang Box by Grand and Toy*



Office supply products are delivered to customers in a strong, reinforced corrugate box which is picked up and returned to Grand and Toy for reuse. Boxes are recycled when they can no longer be used.

Initiative started as a pilot project in Toronto & Vancouver, which reduced the need of 46,000 single-use boxes. Program is now implemented across the country.

Boxes fold together, no tape is required. Boxes are bar coded, no waste created from mailing labels. Customer must maintain a 70% return rate of boxes in order to stay in program.