



## HP's Partners in Developing Recycling Process

Through strategic collaboration with its partners, HP engineered an innovative process for using recycled plastics in Original HP inkjet cartridges. The goal was to develop realistic recycling solutions that would provide environmental benefits while upholding HP's rigorous criteria for quality and reliability. After several years dedicated to perfecting the process, HP is now showcasing its success in working with these key industry partners.

### **The Lavergne Group** ([www.lavergneusa.com](http://www.lavergneusa.com))

The Lavergne Group, based in Montreal, Canada, manufactures engineering resins and environmental solutions and has been instrumental in helping HP develop the recycled plastic formulation (RPET) now used in many Original HP inkjet cartridges.

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The Lavergne Group's contributions for the breakthrough development of the RPET formulation included tasks such as determining the optimum mix of recycled HP plastic and recycled bottle resin as well as identifying the appropriate suite of additives that would ensure HP's high performance standards were met.

The Lavergne Group's patience and dedication throughout this multi-year effort kept the process moving forward and led to eventual success. The Lavergne Group was the key partner in enabling HP to effectively close the design loop on the lifecycle management of Original HP inkjet print cartridges.

### **Butler-MacDonald** ([www.butlermacdonald.com](http://www.butlermacdonald.com))

Butler-MacDonald, headquartered in Indianapolis, Ind., played a significant role in executing HP's vision for a productive recycling solution through its plastic recycling services that enable recovery of high-quality polymers from plastics or other parts many companies consider unusable.

Butler-MacDonald has the technology and processes to take plastic that has been contaminated, poorly recycled or scrapped and deliver polymers that are ready to be manufactured into a variety of applications. Items such as consumer returns, end-of-life equipment, manufacturing scrap, excess inventories and contaminated resins are often a costly expense. Companies can now eliminate these cost-related issues using Butler-MacDonald's innovative solutions – turning plastic waste into low-cost, high-quality raw material for new applications and creating less waste, less scrap and lower production costs.

For HP, Butler-MacDonald made it possible to close the loop by removing contaminants from plastic recovered from HP inkjet cartridges and return this material back into Original HP inkjet cartridges.

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