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Media Release

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Technology Licenses for environmentally responsible recycled PET turnkey system

Phoenix Technologies International, LLC, has announced the availability of technology licensing for its patented breakthrough LNO™c conversion system for recycled PET resin.

Phoenix Technologies has partnered with Conair, a leader in plastics process integration, to design and assemble the turnkey LNO™c system. The economical line will contain only three key pieces of equipment: a grinder that converts recycled PET flake into extra small particle size powder, a compactor to compress the powder into pellets, and a standard resin dryer. During this drying step, the recycled resin is processed to meet the FDA guidelines established with Phoenix Technologies letter of non-objection for up to 100% use in direct food contact packaging.

Chris Keller, president of Conair stated, “We see the tremendous opportunity to impact energy savings with this LNO™c conversion system, and we have signed on to contribute Conair’s expertise as a solutions provider and systems integrator for plastics processing. Any packager should be looking at integrating this new LNO™c technology into their process in their efforts to collect local, convert local, and use local.”

The self-contained system can be easily installed, is highly portable, and saves substantial energy costs by eliminating the melting of recycled flake in the production of recycled resin for food and other packaging. The carbon footprint can be additionally impacted either through the strategic use of existing equipment at a converter’s processing site or through the geographic location of the system to reduce high logistics costs.

The equipment has a compact footprint (less than 2,000 sq. ft.) and low capital investment to make it economically viable for small volumes, with production capacity as low as 10 million pounds of recycled PET resin per year. This allows it to be easily integrated either with a wash line at a collection facility, or within most converting facilities. By producing the pellets directly from washed flake and integrating it into one of these processes, the transportation costs can be greatly reduced.

This breakthrough technology supports the quest to “collect local, convert local, and use local.” Phoenix Technologies has been compacting extra small particle size powder into pellets, without melting, since January of 2008.

For more information about licensing this energy saving technology, contact Lori Carson at sales@phoenixtechnologies.net or Scott Steele at lnoc@plastictechnologies.com. Through our mission of *advancing through the value of recycling through technology*, Phoenix Technologies International, LLC is a foremost producer of food-grade and bottle-grade recycled PET globally. ISO 9001:2000

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