

**Plastics Industry Will be Introduced to New Single Shaft Shredder
Incorporating New Technology and Innovative Design,**

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LOUISVILLE, KENTUCKY, May 15 – Republic Machine Inc., a leading designer and manufacturer of single shaft shredders, announced today the launch of its EZ Service, Split-A-Part Universal Machine. This next-generation machine's advanced technology and ease of maintenance were developed to increase productivity. The machine has been proven to be four times more efficient than most single shaft shredders in the market today.

"The Split-A-Part Machine is the result of seven years of engineering and research in the recycling industries," said Douglas King, president and CEO of Republic Machine. "Recycling these materials is a business mandate, and we consider this invention to make that recycling easier and affordable."

The Split-A-Part Machine will primarily serve the plastics industry by allowing recyclable scrap to be cut up more efficiently, addressing the current issues that most machines have with maintenance, cleanout of contaminants, and product changeover products between various types of plastic scraps.

"For example, the new machine allows the cutting gap to be adjusted in less than 20 minutes, which is a rare feat for a machine with such capacity," said King.

The Split-A-Part Machine has many built-in and patent-pending features to help with greater productivity and maintainability, including:

- The EZ service feature, which allows the entire power frame assembly to split horizontally apart from the feed assembly frame for adjustability and accessibility of important parts, making maintenance and product changeover faster.
- The patent pending Zoidal Cutter™ assures no wrapping, no self-feeding, and no Meltdowns. Coupled with the counterknife system, this 'thru hardened', M-4 tool steel cutter has proven 4 times more efficient and has 3 times the life. The traditional "Hawksbill" cutters can also be used in the Universal Machine.
- The Ram Feed System is hydraulically activated and programmed to respond to resistance and pressure, which controls the amount of material being fed into the cutting area.

- The Control System is based on Allen Bradley's Micrologix 1500 system and is custom designed with copyrighted software. The standard control panel provides normal overload protection. Also, the system controls the hydraulically powered ram direction, speed and force, and monitors the feed system to relieve heat problems, too.

Plastic, film, rubber, wood and medical waste can all be shredded and recycled more easily with this invention. It is the first large-volume, flexible machine to be maintained at this level of ease and speed. The machine comes in three model sizes: 42", 52", and 62" (referring to the width of the rotor).

"In a manufacturing situation, every minute of downtime can result in a significant business loss, so our primary goal in designing the Split-A-Part Machine was to reduce downtime – not just by a little, but by leaps and bounds," said George Sotsky, Founder and Chief Technical Officer.

For manufacturers seeking more innovative alternatives to post consumer recycling, the Split-A-Part machine is perfect for [Polyethylene \(PE\)](#) and Polypropylene (PP) products. These include, but are not limited to: construction sheets, trash bags, zip-lock bags, food industry stretch wrap, liners, covers, films, sheeting, tubing, shrink packaging, plastic lumber, cable coverings, toys, lids, buckets, milk containers, soda and water bottles, pipe and stretch wrap from the distribution and food industries.

Republic Machine has extensively field tested the new Split-A-Part Machine and will be showcasing the results and new innovative features at the NPE 2006 Show in Chicago June 19-23. To learn more, please visit us at Booth #11008 or visit the News & Media Center on Republic Machine's Web site <http://www.republicmachine.com/pr.html>.

About Republic Machine Inc.

Republic Machine Inc., headquartered in Louisville, KY, is a leading designer and manufacturer of single shaft shredders in North America. Republic Machine has produced over 250 single shaft shredders and has introduced many design innovations to the single shaft shredder that have enhanced cutting, product feed, power train, and control systems—many of which are patented or have patents pending. These innovations have proven dramatic increases in machine performance, increased productivity, and stronger operational integrity while improving buyers' return on investment. Republic's history dates to 1911 with a focus on the heavy mechanical and industrial field, and its entry into the shredder industry began after more than 30 years of experience demonstrating excellent problem solving and design innovations employing large rotating shaft machinery i.e. rock crushers, hammer mills, and surface mining equipment.