

Product Information Release

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New dynamic multi-material shredder takes the grind out of machine maintenance.

Louisville KY – Republic Machine, Inc., manufacturer of high quality recycling grinders for over ten years, announces the release of their state of the art EZ Service Split-A-Part Shredder. With innovations delivering optimal productivity, reliability and service ease, this machine tears through mountains of plastic, film, rubber, fiber, carpet, wood, medical waste and composite materials.

The patent-pending Split-A-Part aspect allows the machine to separate providing easy access to working components. Once opened, rotor, cutter and knife maintenance and cleaning are quickly performed in an ergonomic standing position, eliminating the need to crawl into the hopper from above and hours of kneeling in the hopper. Knife replacement, rotation and adjustments are made easily. The counterknives are precisely keyed to a movable anvil so that the cutter gap can be set in approximately twenty minutes. The anvil and rotor assemblies are also available with a water cooling system for low melt materials.

The new hydraulically powered ram with integrated wipers provides superior pushing strength while providing direct access to service parts. It is easily maintained by hyper-extending during Split-A-Part to provide tool free wiper removal and easy access to hydraulic cylinder pins. However, great design and function don't end there.

The Split-A-Part Shredder utilizes Republic's extensively tested Zoidal AntiWrap™ Cutting System for its bite. Zoidal Cutters have proven their longevity and durability against highly abrasive and heat sensitive materials, such as carpeting, shrink packaging, stretch wrap, trash bags, flexible PVC automotive trim and cotton fiber. The system also incorporates self cleaning seals at the outer edge of the single shaft rotor, which protect the shaft and bearings from contamination.

Power is essential for keeping the rotor spinning. The Split-A-Part Shredder relies on a removable power module featuring a beltless right angle direct drive Falk gearbox with over-torque limiting clutch. The high horsepower electric motor is selected based on output capacity, cutter type and rotor diameter, allowing for maximum efficiency for each customer. The entire drive assembly can be removed as a single module, operates without belts or sheaves, and is covered by a 3-year warranty.

“Service features and adjustability are often undervalued aspects of these machines,” concur Douglas King, National Sales Engineer, and George Sotsky, Chief Technical Officer and Founder of Republic Machine. “We take pride in offering a shredder with the dexterity to handle diverse material needs as well as being unbelievably tough. Never forgetting that people are at the heart of any recycling operation, this shredder goes the extra mile to accommodate operators and maintenance personnel.”

Incorporating nearly 100 years of engineering experience from remanufacturing heavy mining equipment, Republic delivers unparalleled improvements to material shredding over standard designs. For detailed information about its products and innovations, visit Republic’s website at www.republicmachine.com or call their Louisville KY office at 502/637-6778, fax 502/637-6779. Send email inquiries to sales@republicmachine.com.