



For Immediate Release

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**REPUBLIC MACHINE ANNOUNCES SUCCESS OF 1-MILLION POUND CARPET TEST,
ESTABLISHES NEW INDUSTRY STANDARDS FOR CARPET SHREDDING**

Louisville, KY — Republic Machine, manufacturer of industrial shredders for the recycling market, has successfully completed a 1 million pound carpet recycling test. This test of Republic's Split-A-Part Carpet Shredder has reset industry standards for the amount of carpet that can be shredded per cycle and has dramatically reduced operating costs.

Since accepting a Department of Energy challenge grant in 2004, Republic Machine has made investments in engineering to establish its modular Split-A-Part shredder and its Zoidal cutting system as the gold standard for carpet shredding. The patented design has increased throughput in similar sized machine by over 3 times the rate and lowered operating costs to less than a half-cent per pound. During the test, Republic processed over 1 million pounds of carpet with the original set of cutters; these cutters have an estimated life of over 2 million pounds of carpet. The million-pound test yielded machine up-time of over 97% including all scheduled maintenance downtime.

Republic's carpet shredding system creates an end product that can be diverted from landfills and used in the recycled plastics industry or in creating alternative fuel. Republic's innovations will help to reshape the carpet recycling market. Because of the wear on consumables (knives/cutters) this process was once cost prohibitive. Republic has



reengineered the cutting system to be resharpenable and to reduce heat build-up and wear. With these changes, carpet recycling has become a more profitable market segment.

With an emphasis on innovative engineering and the resolve to commit to a market opportunity, Republic Machine has become the leader in carpet shredding for the recycling and waste-to-energy markets. “We bring the same dedication to engineering and innovation to all of the markets we serve,” says Chief Engineer, Bill Cox. “We’re proud that our work will ultimately divert carpet from landfills and create alternative fuel sources.”

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