



## News Release

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### **Granutech launches new “Hybrid-Drive” option for its Saturn Industrial Shredder Line**

***“Patent-pending” drive offers variable speed and “best of both worlds” benefits from traditional Electric and Hydraulic drives, without the detriments.***

**Grand Prairie, TX May 16, 2014** -Granutech-Saturn Systems, a world-leading manufacturer of industrial and mobile shredders and other recycling equipment announced today it has developed and launched a new hybrid-drive mechanism option for its popular line of Saturn® industrial shredders, available on both new machines and as a retrofit kit for older machines in the field. “We have combined the best features of hydraulic and electric drive systems in a compact, integrated, energy-efficient, no-compromise system,” said Matthew Morrison, VP for Granutech-Saturn Systems. “In the process, we eliminated a planetary gearbox, 400 gallons of hydraulic fluid, and the headaches associated with today’s traditional drive systems,” he added. Extensive Hybrid-Drive testing has been done on Saturn’s dual-shaft shredders including the 72-50XT and 72-44 BGHT models, but the new drive system will also be rolled out as an option on Saturn’s single shaft and quad shaft shredders in the near future.

#### **Product Features & Benefits**

Granutech’s patent-pending hybrid-drive system provides the most energy-efficient and durable approach to powering single, dual or quad shaft shredders on the market today. Users can expect up to a 25% increase in efficiency compared to traditional hydraulic drives and up to 30% more production than equivalent horsepower hydraulic or electric drive shredders.

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Constant horsepower operation – which means the shaft speed of the shredder is constantly changing to provide speed when product is easy to shred and torque for tough materials – maximizes shredder throughput regardless of the material being processed. With a built-in quick stop feature and no planetary gearbox, high shock-high reversal applications are also handled with ease. This translates to higher reliability and durability and reduced cost of ownership. Saturn Hybrid-Drive Shredders also deliver shock absorption similar to that of shredders fitted with traditional hydraulic drives, but with an average 50% smaller footprint than hydraulic or electric.

The Hybrid Drive is a retrofit option for older Saturn Shredders as well. Granutech supplies a turn-key retrofit kit that can be installed on legacy Saturn machines in the field with assistance from certified Saturn technicians. Customers may also opt to send their machines to Granutech's facility for the hybrid-drive retrofit option install and testing.

## **APPLICATIONS**

The Hybrid-Drive option is ideal anywhere you would use a single, dual or quad shaft shredder today. “Nothing about the Saturn cutting chamber is different, so if a customer can process their material with a single, dual or quad shaft shredder, then adding the Hybrid Drive will give higher throughput and more efficient operation,” said Morrison. “Because of the higher durability built into this system, the Saturn Shredders can be considered for shredding tougher materials than would be typically be appropriate for standard electric drive machines. This further showcases that the Hybrid Drive improves the Saturn shredder regardless of what it is processing,” he added.

## **About Granutech-Saturn Systems**

A leader in recycling equipment design & manufacturing, with focus on quality and innovation, the global company that is today Granutech-Saturn Systems Corporation is privately held and based in Grand Prairie, Texas. Granutech reaches customers through a combination of direct sales in North America and through international distributors for localized sales and service regardless of geography. Its world class product offering includes **Saturn**® shredders and grinders, Saturn granulators and refiner mills, and **MAC**® auto crushers and high density balers and loggers. The company produces standard models and will customize and configure models by using its on-site engineering, fabrication and machine shop capabilities, to deliver the ultimate in application specific configurations for a variety of needs. More information may be found on Granutech's website: [www.granutech.com](http://www.granutech.com)

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