

## Dual Drive crackermill system for tire recycling

The Artisan Dual Drive crackermill is said to be recognized worldwide for the development and production of the dual roll technology that revolutionized and modernized the production of ground rubber material. The machine is capable of processing tire crumb as well as other rubber materials.

Past improvements to the existing crackermill technology resulted in a modern, efficient crackermill with dramatically improved performance characteristics.

Decoupling the rolls is said to have revolutionized the mill. This allowed the rolls to be driven independently at variable speeds to create the rolling and cracking of the rubber known as the friction ratio. As the friction ratio was increased, the mill's production and size reduction performance capabilities were said to be greatly enhanced.

Another performance plus involved improvements to the way the machine is driven. The dual drive mill uses a regeneration process which allows the machine to lower its energy require-

ments and operate more efficiently. This process is controlled by programmable, fully integrated logic controls that increase production rates while cutting power consumption.

This new fine grind mill system is said to provide the company with a complete tire processing solution from initial size reduction and steel reclamation down to fine grind rubber powders ranging from 10 to 120 mesh. The firm is now making the Dual Drive crackermill system available as part of a complete tire processing package or as an addition to an existing operation.

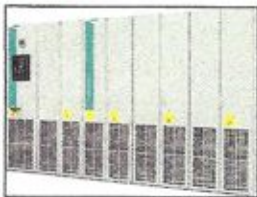
In addition to manufacturing the new Dual Drive crackermills, the company will market these machines to the general rubber industry, as well as offer a complete refurbishment department to service existing mill equipment. The company provides roll replacement and regrinds, and stocks many parts, including rolls and bearings. (*CM Tire Recycling Equipment*)

[www.cmtirerecyclingequipment.com](http://www.cmtirerecyclingequipment.com)



## Cabinet module drives

Sinamics S120 cabinet module (CM) drive packages, compliant with North American standards and offered with optional UL/cUL listing, are said to enable easy configuration of



complex common DC bus lineups for multi-motor coordinated drive systems, as well as high horsepower stand-alone drives for a wide variety of industrial applications. Key to the global growth of the Sinamics S120 CM range is its modularity and flexibility.

Pre-designed, fully type-tested modules, including line side components, line infeeds (bus supplies) and motor inverters, all with a broad range of standard options, are selected and configured by the customer. (*Siemens Industry*)

[www.usa.siemens.com](http://www.usa.siemens.com)

## Laboratory mills

Experience and capabilities in the engineering and manufacturing of two-roll laboratory mills are provided by the company, which is said to provide cost-effective solutions to match the exact machinery needs and process requirements of customers. The company is said to lead the way in technical innovation by providing the only U.S. manufactured complete line of electrically heated laboratory mills. This unparalleled, proven design enables uniform and precise temperature control, up to 600°F roll face temperature. Research and standard laboratory mills are offered. (*Reliable Rubber & Plastic Machinery*)

[www.reliable-machinery.com](http://www.reliable-machinery.com)

## High performance rotors

Engineers continually test cross-sectional profiles and wing configurations to develop the highest performance rotors available. The company offers two-wing S rotors, four-wing H rotors, four-wing N rotors (patented), six-wing VCMT rotors (patented) and KIR intermeshing rotors (patented). All of the company's rotors are said to feature strong single-piece cast steel alloy with a large cavity, uniform wall thickness throughout, batch to batch consistency, low mix temperature, and more. (*Kobelco Stewart Bolling*)

[www.ksbiusa.com](http://www.ksbiusa.com)

## Vacuum index system

A vacuum index system has been designed for handling materials where only one surface can be contacted. These could include adhesive based materials, precision foils or films where only one surface

contact would be possible, reflective or lens quality materials where contacting two surfaces would damage or degrade

the material, and materials where contact on both surfaces would actually change the thickness or characteristics of the material. The vacuum index system is a complete system which includes a transfer section, a vacuum generating station and precision drive package. Together, this module is able to handle different width materials. (*Azco*)

[www.azcocorp.com](http://www.azcocorp.com)

