

## Cartridge collector reduces rebuilds/downtime

Trostel's Polymer Compounding Division, a producer of rubber and elastomeric compounds used in the manufacture of custom sealing and rubber molded products, utilizes four large fan-cooled DC motors to turn the rolls that work the compound. When a compound batch leaves the mixer, it drops on to the milling rollers, creating a large cloud of conductive dust. Cooling fans were inadvertently pulling this dust from the ambient air into the DC motors, causing them to short out. As a result, each motor required a complete rebuild once every quarter, costing a significant amount of money and causing downtime.

After talking to a number of dust collection equipment providers, this company recommended use of two SCA cartridge conductive dust collection systems. The SCA units were mounted above the milling operation to collect the conductive



dust and supply clean air through direct ducting to the mill motor intakes. This continuous supply of clean air at the motor intakes drastically reduced the potential for the motors to collect contaminated air. The compact, ceiling-mounted SCA units solved Trostel's major installation challenge, i.e., a lack of available floor space that prohibited placement of equipment anywhere but the ceiling.

The SCA cartridge dust collection system features an online self-cleaning system. Instead of simply collecting dust onto filters, the SCA captures contaminants and pulses them off into drawers below. A showerhead-like nozzle is said to ensure even distribution of air to maximize reverse air cleaning on the entire length of each cartridge. The result is said to be longer filter life, fewer filter changes and cleaner air. (United Air Specialists)

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

## Rubber extrusion

This company's technology center is used as a demonstration showcase and development center and houses three complete extrusion lines, including an LCM extrusion line, a microwave and high velocity hot air extrusion line and a cable curing line with the latest energy saving process technology. All relevant curing technologies are available, including salt, microwave, hot air, infrared and UV. The three extrusion lines are complete with various extruders that can be configured for any organic rubber or silicone rubber application, and include the company's downstream equipment, such as pullers, cutters and cooling equipment. The firm also demonstrates its organic rubber and silicone mixing capabilities, including a 50 liter batch size intermixer, conical twin mixers and a conical twin screw extruder with a gear pump and straining head for strip or pellet production. (Colmec USA)

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

## Rubber presses

Two-column and four-column benchtop, manual and automatic hydraulic, electric and pneumatic presses with clamping capacities from 12 to 100 tons are highlighted in a recently updated website. A wide variety of laboratory accessories, including force verification kits, heating and cooling platen options, repair kits, gauges and thermometers, safety shields, floor stands and power units are also featured. New drop-down menus offer quick and easy access to product information, along with details on trade shows, contact information, etc. (Carver)

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

## Vacuum indexing system

A precision single surface indexing system has been designed for feeding and cutting flexible materials to length. This is said to be ideal for applications where material can only be contacted on one side. A vacuum transfer system is controlled by a servo motor. For reliable clean cuts, a Sur-Cut modular knife assembly cuts the material to a high accuracy of  $\pm 0.01$ ". The unit can be a slave to a process by creating a loop from the end of the process, or an unwind can be added for materials on a roll. Optional takeaway conveyors are said to make it simple and easy for the cut product to be handled by operators or placed into stacks automatically. The entire unit is free standing. The vacuum generator is totally enclosed and quiet. A fiber optic eye registration system is available. (Azco)

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



## Precise knife heater

The MH26910 precise temperature knife heater uses a precision thermostat for highly accurate temperature control, and is now UL approved. The heater has a thermostat control screw behind a tamper-proof cover plate, accessible only by using a special tool bit, sold with the heater. Operators can use any digital Type K-compatible thermometer to monitor the heater's temperature, helping them to maintain constant heat levels for knives during use. The heater compartment is mostly enclosed, except for the knife insertion slot. (Everhard Products)

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