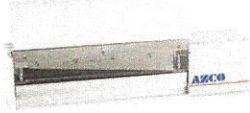


Cut-to-length assembly

A Sur-Size cut-to-length assembly combines a knife assembly with a roll feeder. These units are capable of handling a wide variety of flexible materials and are reliable and simple to use, according to the manufacturer. The length and quantity needed for the application are entered on the color touchscreen. The unit automatically feeds, cuts and counts the pieces to meet the requirements. An end-of-cycle signal is provided once the cuts are completed. For an automated one-shot process, the unit will feed and cut the material on demand. The guillotine knife assembly is said to provide clean cuts. This integrated unit is said to be a convenient package for many users who just want to plug in a power cord and air line and begin to cut their product. (Azco)



www.azcocorp.com

Small parts coating

The Rotamat is said to be the ideal overall solution for surface coating of small mass produced parts. The coating of small mass produced parts in a Rotamat machine is a hot air process, where small parts are coated in a closed spraying chamber. Basic operation of this efficient and economical technology consists of the small bulk parts to be coated being loaded into the rotating drum, which is totally encapsulated. One, or alternatively two, automatically controlled spraying nozzles then spray the coating material uniformly onto the mass produced small parts which are subject to controlled and continuous rolling movement. Many different component materials are suitable for the process, such as most types of plastic and elastomer materials. (Walther Trowal GmbH)

www.walther-trowal.com

Calender gap control

A hybrid device is based on a mechanical screw and a hydraulic cushion for calender roll nip adjustment. With over 80 calenders in operation with this hybrid device, a fully hydraulic device is being utilized based on long stroke hydraulic units granting the position gap control called Hydrogap with a position repeatability of ± 2 microns, a position accuracy of ± 5 microns and an adjustment speed of 1 mm/second. The process operator of a modern calendering plant can now apply the pressure-force module called Hydronip which allows the possibility to switch from position control to force control during running conditions in order to better perform a lamination process between calender rolls. (Comerio Ercole)

www.comercole.it

Low heat rise granulator

The Vulcanator is a heavy duty granulator with the ability to reduce whole bales of synthetic or natural rubber into small bits without significant heat rise. This processor is said to drastically reduce processing time, resulting in significant savings. The Vulcanator features a cutting mechanism that cuts material to a size fine enough to pass through a special perforated screen. The unit's advanced design is said to minimize heat rise and eliminates the need for expensive cooling systems. The Vulcanator is built for heavy duty operation. The housing is constructed of heavy steel plate. A high level of precision is said to be incorporated into every component. Access doors are provided for ease of maintenance. Optional features include an S260 automatic reversing controller, infeed and discharge conveying systems and hoppers. (Franklin Miller)



www.franklinmiller.com

Rubber profile production line added to technical center

A rubber profile production line features functions designed to enhance productivity and give rubber processing companies unparalleled flexibility.

With this modular line, sophisticated sealing profiles for the automotive and building industries can be produced in a single working cycle. Thanks to the different vulcanization systems, shock modules, microwave and hot air channels, this profile production line is said to give uncompromising process flexibility combined with exceptional ease of operation.

The premium quality components of the high performance Vac GE 90 KSL x 20 D extruder are said to generate

substantial added value. This applies to the energy-efficient water-cooled asynchronous three-phase motor, the enlarged feed roll opening for improved material feeding and the high quality materials used for barrels and screws to minimize wear. The tailored barrel degassing system was developed for processing a wide variety of different compounds under ideal process conditions and with maximum output rates. The modular line configuration and the revised design of the extru-



sion head are said to ensure that the extruder is easily adapted to the most varied applications.

The microwave and hot-air channel has been continuously improved on the basis of the proven standard. The pneumatic door adjustment is said to ensure that set-up and cleaning times with frequent material changes are substantially reduced. The hot door inside is automatically lowered in the frame direction, which is said to provide easy access to the product. The closed circuit process air circulation is said to give maximum cost savings. (KraussMaffei Berstorff)

www.kraussmaffeiberstorff.com