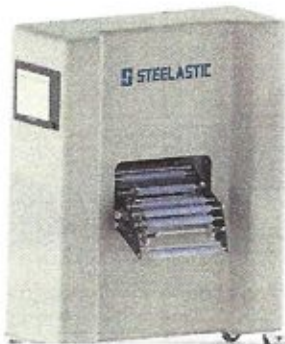


Belt inspection system identifies defects

An improved belt inspection system is designed to identify defects in produced belt material and prevent defective material from being used in tire manufacturing. The second generation system will identify key defects such as splice imperfections, non-uniform edges, as well as holes in the belt material. In addition, the system allows for measurement of the width and gauge of the produced belts.

The belt inspection system is set to feature three-dimensional vision to monitor 100% of the upper surface of the belt to reduce defects, ultimately increasing quality control. Moreover, the system will help to maintain standard cycle times. The improved system can be used on existing equipment, while not adding to floor space. This system can also be used to detect similar defects in similar types of materials.

This manufacturer of automated machinery systems for



the global tire industry produces automatic Apex machines, as well as belt and cutter systems. The firm has over 780 systems operating around the world. Its international presence is said to include an impressive customer base of major multinational tire manufacturers in all reaches of the globe.

The firm is constructing a new 100,000 square foot building that will double its manufacturing space and is designed to optimize manufacturing processes. A complete laboratory and demonstration area is planned for the facility to showcase the company's equipment and capabilities. In addition, the newly constructed building will also function as a comprehensive research and development resource, which will facilitate the continued innovation for which the

company is said to be known. (Steelastic)

www.steelastic.com

Electric universal oven

The No. 884 is a 500°F electric universal oven, currently used to cure rubber parts with steel inserts. Workspace dimensions of this unit measure 52" wide by 48" deep by 72" high. A modulating natural gas burner with 350,000 btu/hour installed heats the workspace, while a 4,200 cfm, 3 hp recirculating blower provides horizontal airflow across the workload. A top-mounted heat chamber and remote-mounted control panel are included. This walk-in oven features a stainless steel exterior with #4 brushed finish, Type 430 stainless steel interior, 4" thick insulated walls, 2" thick insulated floor with two pairs of truck wheel guide tracks and motorized dampers on the exhaust for accelerated cooling. The No. 884 has all safety equipment required by IRI, FM and NFPA standard 86 for gas-heated equipment, including a 975 cfm, 1 hp powered forced exhauster. (Grieve)

www.grievcorp.com

Mold cleaning systems

The SDI Select 60 is designed to clean rubber and tire molds hot in the press. The Select 60 is a single-hose, all pneumatic unit designed to use block and/or pellet dry ice. It is said to be the only block/pellet CO₂ system available in the world. Numerous blast nozzle configurations are available to simplify even the most difficult mold cleaning requirements. System packages are available to process tire, compression, injection, platen and bladder molds. The company provides state-of-the-art mold cleaning equipment and technology to the



rubber industry worldwide. (Friess Equipment)

FriessEquipment@sbcglobal.net

Shear cut knife assembly

A shear cut traveling knife assembly is designed for material 1,400 mm wide and 3-55 mm thick. This cut to length unit is built to feed the material all the way through the knife assembly. A precision ground urethane drive top roller supplies a force which provides positive traction between the material and the drive system. The brushless servo motor is said to provide high accuracy and low maintenance. A 1,400 mm (55") traveling knife assembly shear cuts the material to size. The knife assembly is servo driven with linear guides for extra strength and support. (Azco)



www.azcocorp.com

Rubber injection molding

The G10 line is the company's tenth generation of injection molding machines, and the V710 is the first machine of this new generation. Equipped with the company's patented injection system, the V710 offers a wide range of injection volumes/pressures, but mainly the possible injection up to 3,000 bars. The accurate centering of the injection unit on the mold is said to stand for unequalled tightness and shot size accuracy warranting the quality of the molded parts. The three-step closing unit is said to combine both performance and rugged design. The clamping block system allows for a large opening stroke with a displacement speed much higher than the one of telescopic systems or other complex solutions. It is said to need considerably less maintenance thanks to low mechanical stress. The accuracy of the opening/closing strokes and clamping/unclamping strokes allows for reliable degassing control. (Rep)

www.repinjection.com