



A new series of bimetallic barrel liners from Davis-Standard withstands highly abrasive and corrosive materials.

### Davis-Standard adds new DS8000 barrel lining

Davis-Standard, LLC (Pawcatuck, CT) recently added to its bimetallic barrel-lining product series to support applications with highly abrasive and corrosive properties. The new DS8000 wear-resistant barrel-lining material is a nickel-based alloy with a high percentage of tungsten carbide particles suspended within its matrix, according to information supplied by the company. This corrosion and abrasion wear-resistant lining is recommended by Davis-Standard for those processes requiring highly filled or reinforced compounds, high-temperature resins, silicones, vinyl resins, polyethylenes, LLDPE, HMWPE, and blends.

Davis-Standard also offers three other options within this product line including the DS1000, an iron-based barrel lining for general purpose wear environments. The DS2000 features an alloy that provides additional wear resistance able to accommodate a higher degree of filler or reinforcement in the material to be processed and a moderate degree of corrosion resistance. The DS6000 offers a nickel-based liner (like the DS8000) designed for use in corrosive wear environments when processing compounds such as those with flame retardants, fluoropolymers, and high-temperature resins.

This product line is manufactured by D-S Brookes Ltd., Davis-Standard's Extrusion Systems Europe subsidiary in the UK. *Davis-Standard Extrusion Systems, Pawcatuck, CT, U.S.A.; +1 860-599-1010; www.davis-standard.com*

### MOLDS & TOOLING

#### Fast tooling changes realized

This firm has added a new product to their line of Segen cylinder locks aimed at fast tooling and mold changes. Used as an alternative to traditional nuts and bolts for saving time by accurately and repeatedly locating and locking various components in place without the need for tools, this enhanced version of the Segen product utilizes an internal sensor to offer the machine operator a visual means of identifying that the mechanism is positively locked or unlocked, thereby improving the safety, reliability, efficiency, and overall effectiveness of the system. Segen quick-change devices consist of a steel cylinder lock and a corresponding knob. The cylinder lock, designed to receive and mate with a conical male knob, locates and positions the knob to within 0.0002 inch with a holding force of up to 25,000 lb per device, depending on cylinder specifications. The cylinder locks stay mechanically locked until pneumatic pressure is applied to automatically release them. *Tooling Technology, Fort Loramie, OH, U.S.A.; +1 937-295-3672; www.segen-online.com or www.toolingtechgroup.com*



Tooling Technology's new cylinder locks for faster mold changes replace traditional nuts and bolts, staying mechanically locked until pneumatic pressure is applied.

### AUXILIARIES

#### Film and fibers economically, effectively shredded

Vecoplan LLC, specializing in size reduction equipment, introduced its new RG42K-XL F industrial shredder, which is specifically designed to shred plastic film in what the company claims is the quickest and most efficient manner possible. *Engineered to solve the "self-feeding" problem associated with flexible, high-tenacity materials, the RG24K-XL F is "economical to purchase, economical to operate, and delivers a quick ROI," according to Marty Kennedy, Vecoplan's executive VP.*

The RG42K-XL F features Vecoplan's patented SureCut shredding system, which delivers built-in, two-stage auxiliary size reduction in a single pass. Other features include a special, reinforced close-tolerance screen configuration, and an application-specific "wedge" fixed counter knife. To accommodate high throughput, the shredder has built-in metering capabilities and thermal monitoring controls. In addition to preventing film from wrapping around the cutting rotor during processing, the SureCut system also delivers precise cut lengths, says the company.

Additionally, the RG42K-XL F features a 42-by-52-inch hopper in-feed opening that provides true dump-and-run operation for a wide variety of loose or baled plastic films, as well as short pile carpet. The shredding chamber employs a patented Vecoplan single-shaft U-Rotor that is 15 inches in diameter, powered by a 60-hp drive motor, and embedded with 48 standard plus 29 nip