

NEWS RELEASE

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Contact: Applications Engineering

DYMAX + PARTNER PAK = Sustainable Clamshell Packaging Technology for Electronics

DYMAX, a pioneer and market leader in light-curing chemistries, has partnered with PARTNER PAK, INC., a leading manufacturer of plastic packaging equipment. The pairing of DYMAX adhesives with PARTNER PAK's utilization of light to seal clamshells and blister packaging is a marriage made in UV heaven.

DYMAX products for sealing PET, RPET, and PVC plastic packaging – including the ground-breaking patent pending 3083-T-B2C, which changes from blue to clear when a clamshell or blister is sealed – now carry the PARTNER PAK Simpl-Sealant® name as Simpl-Sealant® by DYMAX. These adhesives, when paired with the Simpl-Seal® equipment, can lower total cost and provide superior sealing performance with an inherently sustainable process.

PARTNER PAK originally designed its *Simpl-Seal* method of ultraviolet sealing of clamshells and blisters as an alternative to be used with electronics merchandise which could not tolerate traditional RF (Radio Frequency) or heat sealing. The secret which has emerged, however, is that UV sealing is inherently sustainable for a number of reasons. Ultraviolet sealing with a non-toxic UV-reactive sealant uses five times less energy than traditional sealing methods. Since the *Simpl-Seal* operation can be automated rather than manual, the production process moves more quickly,

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resulting in energy savings associated with less plant time, less lighting and reduced HVAC consumption. The *Simpl-Seal* equipment requires no consumable tooling, dies, or presses when sealing.

While many sealing methods work only with polyvinyl chloride (PVC), the PARTNER PAK system allows use of recycled polyethylene terephthalate (RPET), PET and even polylactic acid (PLA), which is derived from natural, renewable resources such as corn. If a customer opts to change from PVC to RPET, for example, no additional equipment, power, or tooling changes are required. PARTNER PAK also offers the patented ClamCard[®], which seals a small clamshell or blister *through* a paperboard card, not *to* a card or wedged *between* two cards. This method results in a separation of materials – a clear benefit for recycling.

Most clamshell and blister sealers require trained set-up personnel since the process is essentially manual. The *Simpl-Seal* equipment employs only two people – one to load the infeed conveyor and one to take away the finished packages. Many clamshell packaging operations have gone offshore because of labor requirements. But offshore-made packages must then be transported back to the U.S., adding to greenhouse gas emissions, plus the requirement for added warehouse storage until sales reduce inventory. Larger warehouse space is expensive and requires more HVAC consumption. Utilization of the *Simpl-Seal* process eliminates these costs while allowing greater flexibility in package design and material choice.

DYMAX Corporation is a leading technology-based company specializing in the formulation, manufacture, and service of advanced assembly adhesives, coatings, epoxies, masking resins, and light curing systems.

For more information, contact DYMAX Corp., 318 Industrial Lane, Torrington, CT 06790; Phone: 860-482-1010; Fax: 860-496-0608; Toll Free: 1-877-DYMAX-UV (1-877-396-2988); e-mail: info@dymax.com or visit our website at www.dymax.com.

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CAPTION: DYMAX Adhesives and PARTNER PAK Simpl-Seal® Clamshell Packaging System Seal in Sustainability



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