

Bottles and Closures

New Packaging Options to Manage Gas and More



Sound too good to be true? Integrated desiccant options that don't compromise the design of or performance of your packaging.

Not if CSP Technologies, Inc. is your partner.

For over 30 years, CSP Technologies, Inc. has been the global leader in delivering innovative desiccant and other gas scavenging solutions to enhance product stability, extend shelf life, and enable new packaging options for pharmaceutical manufacturers. CSP Technologies, Inc. is a responsive, flexible partner committed to offering customers a single, reliable source for custom product design, development, and manufacturing.



CSP Technologies, Inc. has taken product and consumer protection to the next level with the launch of two new products: **Activ-Seal™** induction-sealed, tamper-evident screw cap containers with built-in desiccant technology and the **Pharmapuck™** drop-in scavenging system. These benchmark innovations will set a new industry standard by providing pharmaceutical manufacturers a foolproof solution to protect their products and prevent misuse by consumers.



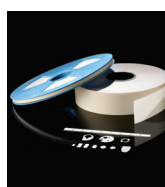
Designed for use with Oral Solid Dose (OSD) tablets or capsules in the pharmaceutical industry, the **Pharmapuck™** drop-in scavenging devices can be integrated into a bottle top to sterilize with very low particulates, to control levels of scavenging or release of odors and scents. Options include custom engraving and color options to enhance brand recognition.



The **Activ-Vial™** portfolio, commonly used by leaders in the pharmaceutical and diagnostics industries, consists of the one-piece, flip-top desiccated vials, and desiccated bottles across a range of sizes. Both formats provide manufacturers various options to satisfy packaging requirements and deliver unparalleled protection that ensures product stability and maximizes product shelf life.



Activ-Polymer™ technology has been used to protect products against moisture, oxygen, VOCs and odors in sensitive packaging environments. CSP Technologies, Inc. three-phase polymer is comprised of a network of interconnected transmitting channels to facilitate the diffusion of gasses into the polymer matrix. This channel structure enables us to engineer formulations to absorb or release gasses from polymers.



Activ-Film™ materials enhance product stability in ways that are invisible to consumers and more efficient for manufacturers. Activ-Film™ materials adsorb moisture to ensure product stability and extend shelf life. They are suitable for use with blister packs, stick packs, and foil pouches.

CSP Technologies, Inc. strives to engage early in the design and development process to provide turnkey services from concept straight through to commercialization. This one-stop-shop approach allows customers to achieve the most effective component and system design.



Your product, actively protected

csptechnologies.com 334.887.8300

Global Offices Auburn, AL • Amsterdam, NY • Niederbronn les-Bains, FR • Paris, FR • Osaka, JP • Hong Kong, CN

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About **CSP Technologies, Inc.**

CSP Technologies, Inc. is a leader in delivering innovative, high-quality product and packaging solutions that give customers a competitive edge and consumers a better product experience.

Bottles and Closures

Integrated desiccant options

Benefits

- Expertise in Child Resistant CR, tamper-evident safe design
- Customization, ability to mold bottles and closures

Products

- Pharmapuck™ scavenging devices
- Activ-Seal™ closures
- Activ-Film™ materials
- Activ-Vial™ portfolio
- Molded components

