



Activ-Blister™ solutions

Advanced Protection for Sensitive Solid Doses

Need a way to improve stability and extend shelf-life of tablets or capsules in blister packaging?

CSP Technologies, Inc. has an innovative solution.

Activ-Blister™ solutions provides product protection related to controlling humidity, oxygen, carbon dioxide, reactive impurities and odors. CSP Technologies, Inc. developed Activ-Blister™ solutions to actively control the internal atmosphere of individual blister cavities, without the use of purging, allowing for improved stability and enhanced shelf-life. The innovative technology can be applied via heat-staking, without the use of adhesives, with existing blister designs, materials and equipment.

Using silica gel, molecular sieve and other scavenging technology, outfitted blisters can scavenge tailored amounts of moisture, and/or gasses and can be produced in shapes and sizes to accommodate any tablet and capsule size.

CSPSM development services and testing offer custom solutions to suit the specific needs of your product. From proof of concept testing through production validation, CSP Technologies, Inc. experts will work with you to optimize your package design.

CSP Technologies, Inc. is the industry leader in creating innovative packaging solutions for the pharmaceutical, diagnostics and consumer product industries. We have a variety of tools available to support our customers' product testing and development to ensure success.

Benefits

- **Design flexibility** – products packaged in bottles, with canisters or sachets, can use thermoformed blister cards without sacrificing headspace protection
- **Reduced cost** – achieve active headspace protection without the added cost associated with gas flush/purging, secondary packaging, or refrigeration
- **Size reduction** – Move from cold-form foils to thermoforms for a smaller blister footprint, 40-60% smaller
- **Better performance** – Extend shelf life of existing thermoforms and coldform packaged products

Industries Served

- Pharmaceuticals



Your product, actively protected

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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.



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Features

- Heat-staking option to securely bind to foil without the use of adhesives; cost effective and eliminates residual solvents that can off-gas and interact with the drug product
- Oxygen-scavenging formulation does not require moisture to be active; effective in low RH
- Carbon dioxide and reactive impurity scavenging capability
- Development services to optimize design and function
- Implementation / validation support

Capabilities

Activ-Blister™ solutions can be incorporated into a wide range of blister packaging formats, including:

- Push-through blisters
- Peel/push blisters
- Cold-form foils
- High barrier films
- PVdC-coated or EVOH-laminated films

