



## BLOW/FILL/SEAL TECHNOLOGY

Unique glass free dosing solutions. Reliably supplied.

More Expertise. Customized Solutions. Reliably Supplied.

With over 30 years of experience in providing development through commercial scale manufacturing blow/fill/ seal single and multi-dose solutions, we can deliver higher quality, efficiency, convenience and safety than glass options.

**Unique Sterile Solutions For Complex Products** Proven expertise with complex emulsions and suspensions. Most extensive range of solutions for unique product challenges. Customizable container design and insertion technology for multi-dose configurations.

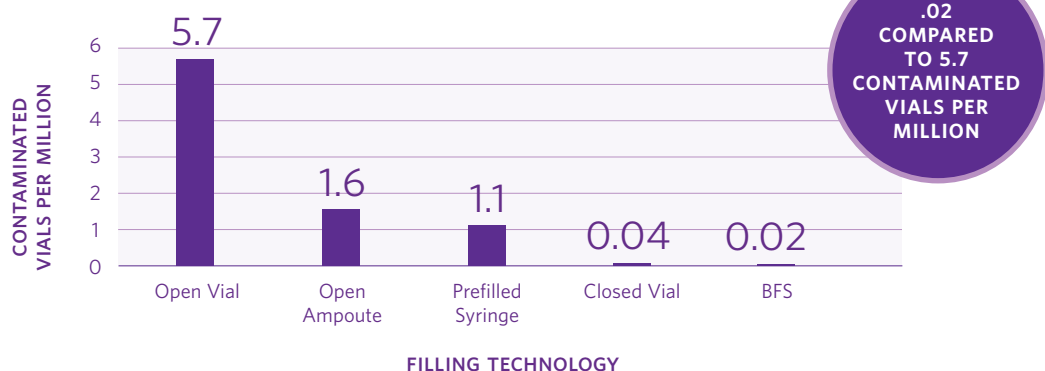
**Flexibility & Capacity** Ability to handle pre-development batches through commercial scale runs. Glass-free dosing solutions for inhalation, ophthalmic, biologics and oral liquid markets.

Highest Quality. Reduced Risk. Improved Results.

**Highest Quality Standards** Recognized by the USP as an advanced aseptic process for forming, filling and sealing containers. Highly-automated blow/fill/seal process helps minimize risk and keep costs low.

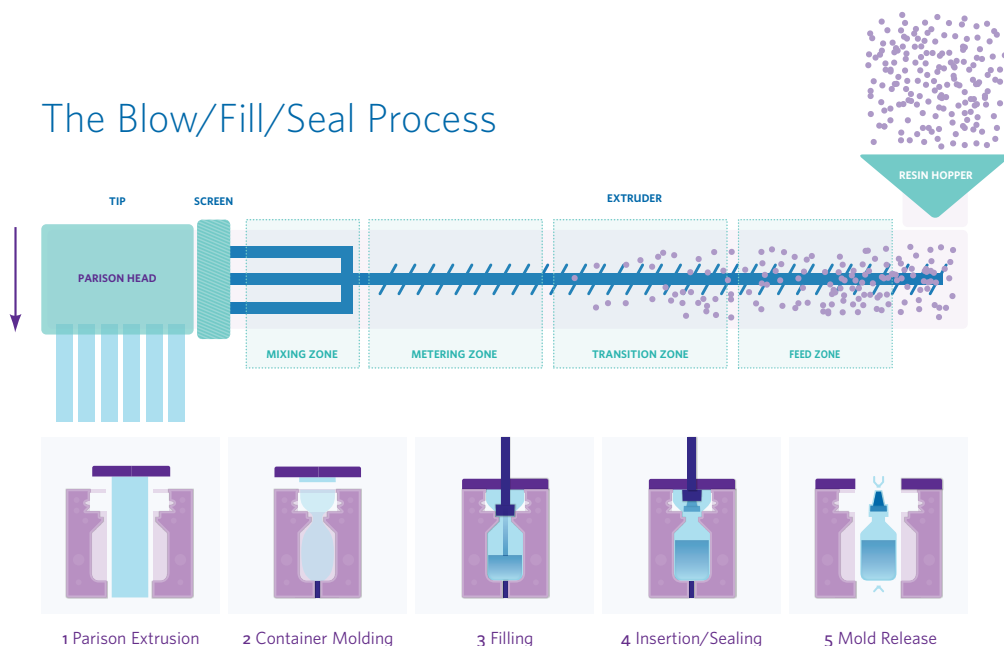
**Integrated Solutions, Improved Results** Tailored, integrated solutions from development to manufacturing for more efficient supply.

BFS REDUCED THE RISK OF CONTAMINATION BY ORDERS OF MAGNITUDE



## The Blow/Fill/Seal Process

IN 12-15 SECONDS THE CONTAINER IS FORMED & PRODUCT IS FILLED IN GRADE A/CLASS 100 CONDITIONS



### Case Study: Formulation Development for a Complex Product

**Challenge** A midsize pharmaceutical company approached Catalent for the development of a highly viscous, complex suspension to fill in a unit dose application for ophthalmic route of administration.

**Solution** Catalent successfully designed and developed a customized filling system to meet this unique request. Catalent met all expectations, timelines, and milestones allowing customer to meet its development process and proceed to clinical studies.

**Result** The customer was extremely impressed with Catalent's devotion to customer focus, project management and ability to deliver. Catalent is now a preferred supplier with this customer, with ongoing development and commercial opportunities.

We offer a full spectrum of global integrated services for every stage of your product lifecycle.

#### Discover more solutions with Catalent.

Call: + 1 888 SOLUTION (765-8846) Email: [solutions@catalent.com](mailto:solutions@catalent.com) Visit: [www.catalent.com](http://www.catalent.com)

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reliably supplied.™

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