

Sterile Technologies

The standard in versatile Blow/Fill/Seal technology

Blow/Fill/Seal provides innovative packaging solutions for a wide variety of sterile and non-sterile liquid pharmaceuticals including:

- Respiratory
- Ophthalmic
- Biologics
- Oral liquids
- Topicals
- Medical devices

Key advantages of our Blow/Fill/Seal offering:

Capacity and flexibility

Catalent offers the largest scale and widest breadth of Blow/Fill/Seal contract manufacturing services available. Our in-house design and component insertion capabilities allow complete customization for unit-dose or multi-dose products without reliance on stock containers.

Quality/sterility assurance

Blow/Fill/Seal is recognized by the USP as an advanced aseptic process for forming, filling and sealing containers. The process features minimal operator interface and limited product exposure time.

Process efficiencies

The Blow/Fill/Seal process is highly automated, minimizes component handling and pre-sterilization steps, and allows high per-run output, maximizing process efficiency.



Technology of choice for respiratory and ophthalmic unit-dose vials.



Our component insertion capability allows manufacturing of multi-dose configurations.

How Blow/Fill/Seal technology works

Blow/Fill/Seal is the combination of three major processing steps—container molding, container filling and container sealing—within a single contained process. The advanced aseptic process is a highly automated system with minimal operator interface.

The plastic extrusion area and critical fill zone (ISO.5) are designed as partially isolated areas with localized protection where exposure of the product and container to the environment is minimized.



Woodstock technical capabilities:

- Filling of solutions, suspensions or emulsions
- Fill volumes range from .3 mL to 1 L
- World-class critical utility systems including water for injection
- Cold storage capabilities
- Solutions for products that are temperature, light, oxygen or delivery sensitive
- Analytical and microbiology laboratories

Catalent—the leader in Blow/Fill/Seal manufacturing for more than 25 years

Catalent maintains a world-class, FDA-approved facility in Woodstock, Illinois, with 35 commercial Blow/Fill/Seal manufacturing lines and ~ 1.5 billion units in annual capacity. We are licensed to produce pharmaceutical products for distribution in the United States, Canada, Europe, Japan, and Australia. Our facility has strong regulatory standing and is focused on maintaining the highest compliance and quality systems in the industry.

An on-site GMP pilot plant supports feasibility, stability and clinical runs. Our customers also have access to the full range of Catalent services, including formulation development, analytical services, packaging and clinical supply services.

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