

SBFT Launches FDA-Compliant Double-Head Aseptic Filling Machine to Enhance Global Liquid Packaging Safety

XIAN, SHAANXI, CHINA, November 8, 2025 /EINPresswire.com/ -- The global liquid food and beverage industry is experiencing a growing demand for sterile, safe, and efficient packaging systems. As producers seek to extend shelf life and reduce dependence on cold chain logistics, aseptic filling technology has become a critical component of modern food processing. Xi'an Shibo Fluid Technology Co., Ltd. (SBFT), with over fifteen years of experience, has developed the [FDA Standard Double-Head Bag-in-Box Aseptic Filling Machine](#), designed to meet international hygiene standards and ensure sterility in liquid packaging operations. The dual-head configuration increases throughput while maintaining stringent aseptic conditions, which are essential for the safe packaging of products such as milk, liquid egg, concentrates, and other sensitive beverages distributed globally.



I. Industry Trends: Aseptic Filling and Global Food Safety Requirements

The liquid packaging sector is being reshaped by the convergence of three major trends: enhanced food safety, longer product shelf life, and the pursuit of higher operational efficiency through automation.

A. Expansion of Aseptic Packaging Applications

Aseptic packaging enables perishable products, such as dairy and juices, to remain shelf-stable for months without refrigeration. This technological capability is driving global market growth. To

ensure microbial safety, fillers must sterilize both the packaging and contact surfaces, operate under sterile conditions, and securely seal without recontamination. SBFT's aseptic equipment series, including the ASP line, addresses these industry requirements by maintaining product sterility throughout the filling process.

B. Global Compliance with Safety Standards

Manufacturers face increasing scrutiny to meet international benchmarks such as the U.S. Food and Drug Administration (FDA) and European CE standards. The FDA emphasizes hygienic equipment design, cleanability, and validation, while CE certification ensures overall mechanical and electrical safety. Equipment designed to meet both standards reduces regulatory risks and ensures consistent export readiness for global markets.

C. Efficiency Through Dual-Head Automation

The shift toward automated, high-speed production continues to define the modern food processing industry. Double-head systems improve filling speed and maintain production stability, reducing downtime and optimizing line utilization. For large-scale producers, such efficiency gains are key to meeting high output demands without compromising safety.

D. Versatility Across Product Categories

Bag-in-box packaging is now used for an expanded range of products—from wine and juices to liquid egg and milk—requiring flexible machinery that can adapt to different viscosities and filling volumes. SBFT's aseptic double-head filler supports bag sizes from 2L to 1000L, offering wide applicability across consumer and industrial packaging.

II. Quality Assurance: Certification, Standards, and International Engagement

SBFT's adherence to international quality standards and active participation in global exhibitions underscore its role as a reliable partner in aseptic packaging technology.

A. CE Certification and Equipment Safety

Since obtaining CE certification in 2013, SBFT has ensured that all of its machinery complies with the European Economic Area's requirements for mechanical, electrical, and environmental safety. This certification streamlines international deployment and demonstrates conformity with the operational safety standards expected in modern food processing facilities.

B. Compliance with FDA Hygienic Design Standards

While FDA certification applies to design principles rather than equipment registration, SBFT's aseptic filler is developed according to FDA-compliant sanitary guidelines. All product-contact components are made from non-toxic, corrosion-resistant materials that enable effective Clean-in-Place (CIP) and Steam-in-Place (SIP) operations. This design prevents microbial buildup and supports consistent sterilization, ensuring the safety of products such as dairy, egg-based formulations, and high-acid juices.

C. Participation in International Exhibitions

SBFT regularly presents its aseptic filling solutions at events such as WINE TECH, PROPAK, and GULFOOD Machinery, providing opportunities to demonstrate its technical capability in both beverage and high-viscosity food packaging. At WINE TECH, for instance, SBFT's aseptic double-head system highlights the precision required in sterile liquid handling—technology that can also be applied to sensitive wine and juice packaging operations.

III. Technological Strength and Industry Applications

SBFT's development strategy is based on long-term specialization and continuous technical improvement, reflecting its focus on practical innovation and customer-oriented design.

A. Specialized Expertise

With fifteen years of focused R&D, SBFT has built a strong foundation in the development of bag-in-box (BIB) and bag-in-drum (BID) systems. The company's emphasis on detail-oriented engineering has supported the creation of reliable filling machinery capable of meeting stringent international processing standards.

B. Comprehensive Product Portfolio

The ASP series—comprising the ASP100, ASP200 (bag-in-drum type), and ASP300 (large-volume aseptic filler)—covers the full range of sterile filling needs, from small consumer bags to 1000L industrial containers. This versatility enables producers to operate efficiently across different scales while maintaining consistent quality and sterility.

C. Wide Application Range

SBFT's aseptic fillers are used for a diverse set of products:

Food Products: liquid egg, milk, coffee, coconut milk, and ice cream mix

Beverages: wine, fruit juices, and concentrates

Industrial Liquids: edible oils, chemical additives, pesticides, and liquid fertilizers

D. Customer-Oriented Design Philosophy

SBFT maintains a commitment to continuous improvement and practical performance optimization. Each machine is designed to minimize maintenance, ensure reliability, and maintain cost efficiency. This approach helps customers achieve stable production with consistent quality outcomes while managing operational costs effectively.

Conclusion

As global food safety and efficiency standards continue to evolve, aseptic filling equipment has become an essential part of the liquid packaging supply chain. SBFT's FDA Standard Double-

Head Bag-in-Box Aseptic Filling Machine provides a reliable and compliant solution for producers seeking to combine high productivity with strict hygienic control. Supported by international certifications and a global exhibition presence, SBFT continues to contribute to the advancement of safe and efficient liquid packaging technologies for the worldwide market.

Website: <https://www.bibfiller.com/>

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