

GENiSYS[®] Lab



Container Filling System

AST's Container Filling System (CFS) automates the critical aspects of aseptic filling in a compact, table-top design. The CFS fills vials, syringes and cartridges, and applies stoppers to vials immediately after filling. Programmable recipes ensure highly precise and gentle filling, and in-process weigh check with integrated electronic batch records ensures that containers are filled to specification. Designed for cGMP compliance, the versatility and robust features offered by the CFS are guaranteed to meet the needs of a wide variety of applications.



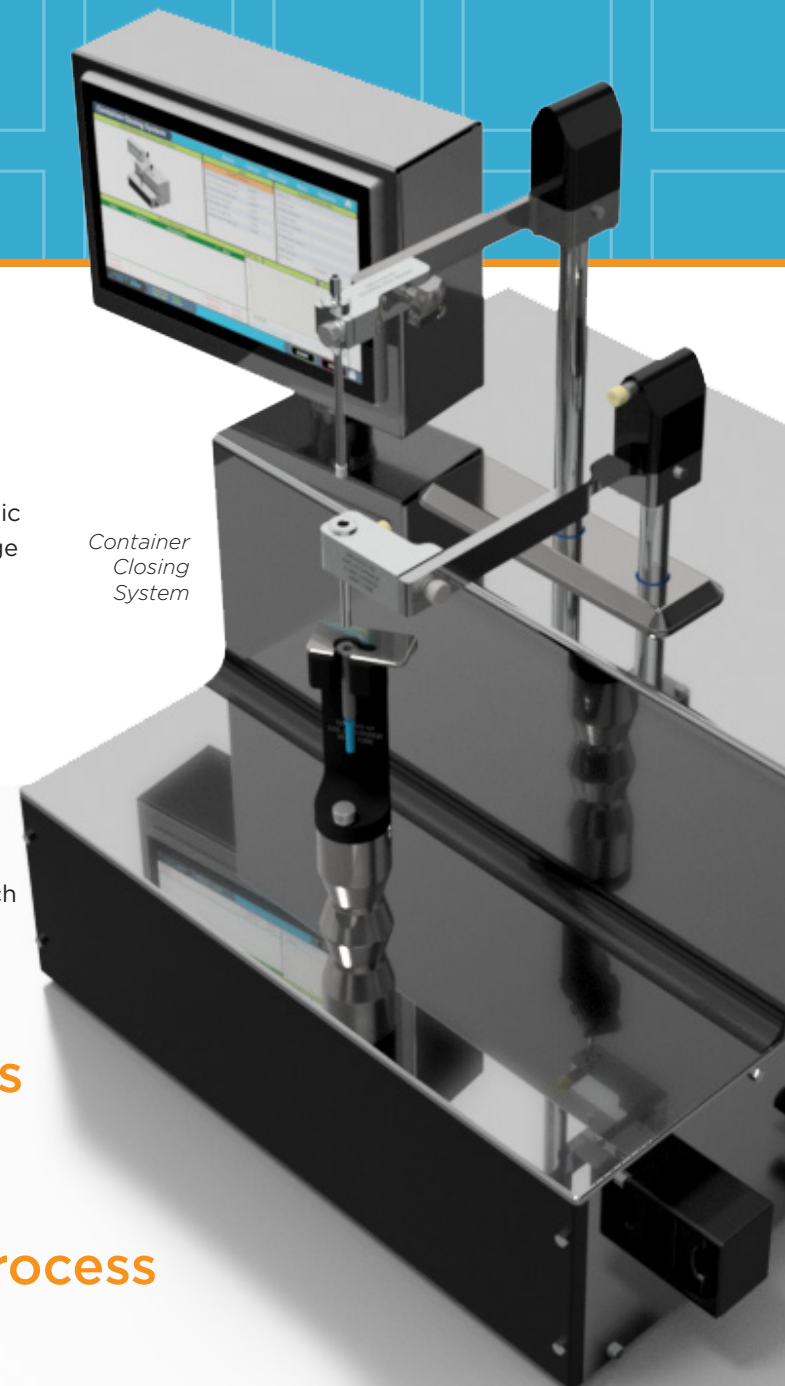
Container Closing System

The Container Closing System (CCS) is a semi-automatic table-top system for syringe and cartridge closing. Using either vent-tube insertion, vacuum insertion, or a combination of the two, the CCS provides complete control of the closing process for a wide range of syringe and cartridge sizes. Tool-less format parts allow for quick changeover between container sizes or insertion methods, allowing operators to accommodate different containers and closure methods with ease.



Vial Sealing System

AST's Vial Sealing System (VSS) performs semi-automatic crimp capping for a wide range of pharmaceutical vial sizes. The VSS allows users to set, monitor and record critical recipe parameters, and is designed to minimize particle generation during sealing. With the ability to provide consistent, high-quality seals, the VSS is the ideal platform for finishing vials in small batch aseptic processing.

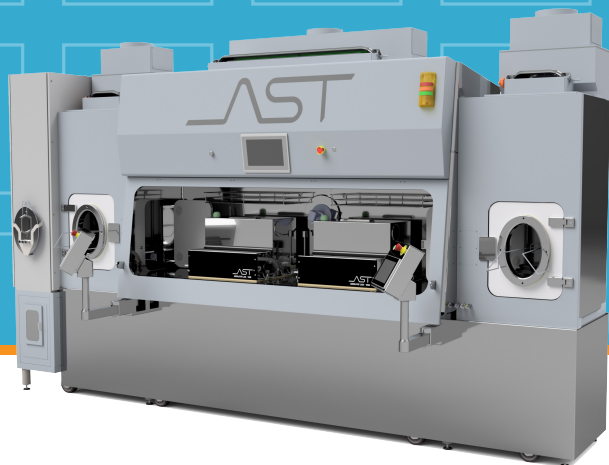


Container Closing System

GENiSYS Lab provides complete & accurate control of the filling, closing and sealing process



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All AST GENiSYS® Lab platforms are fully compatible with our fully integrated barrier systems:

- Bio-safety cabinet
- Laminar airflow hood
- Aseptic isolator

AST barriers are ergonomically designed to be compact, robust solutions to maintain a stable, fully aseptic ISO 5/Grade “A” environment for your fill/finish processing.

GENiSYS Lab systems are ideal for:

- Cell and gene therapies
- Process development
- Clinical trials
- Compounding and hospital pharmacies
- Research
- Stability studies
- And much more

AST’s GENiSYS® Lab units are ideal systems for drug product development and cGMP production applications. Each system is designed to automate the critical aseptic operations for vial, syringe and cartridge processing, reducing contamination risk and product variability. These table-top systems are engineered to be completely compatible with cleanroom environments, and offer a broad range of advanced features within a compact footprint.



	Container Filling System	Container Closing System	Vial Sealing System
Containers	Vials, Syringes, & Cartridges	Syringes & Cartridges	Vials & Cartridges
Closing / Sealing Method	Vial Stopper Placement	Vacuum & Vent-Tube (Mechanical) Placement	Spinning Roller
Available Options	In-process fill weight verification (IPC) Inert gas overlay Electronic Batch Reporting (EBR) Single-use fluid path Press-fit cap application	Overlay gassing for vent-tube processing Electronic Batch Reporting (EBR)	Applied Force Monitoring Electronic Batch Reporting (EBR) Screw cap application
All Systems:	Dimensions (LxWxH): 725mm x 500mm x 630mm (28.5" x 20" x 25") Electrical Utilities: 110/220VAC - 60/50Hz Materials of Construction: Pharmaceutical grade stainless steel and plastics Operator Interface: 7" Color Touchscreen		



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