FP DEVELOPMENTS

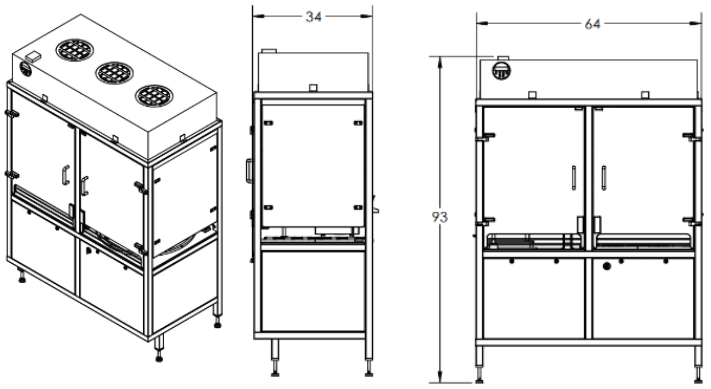
Automated IV Syringe Packaging System SterileFill & LabelBag Models

Sterile Fill Model

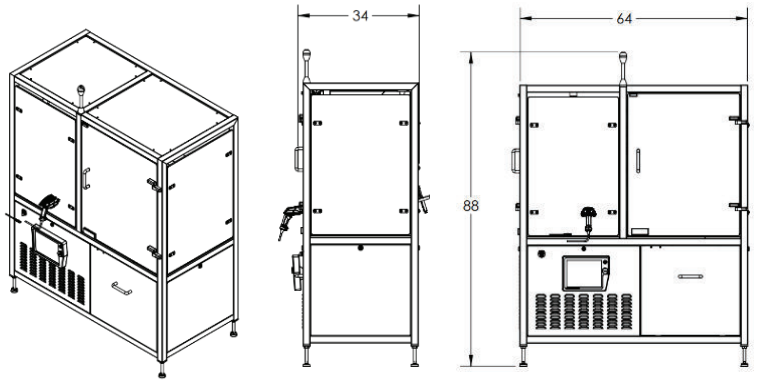
PRODUCT SPECIFICATION GUIDE

Streamlined IV Syringe Repackaging for Central Pharmacy & 503A Facilities

Engineered for efficiency, safety, and compliance, the SterileFill system automates the entire IV syringe repackaging process—from filling and capping to printing, labeling, and bagging. Designed to accommodate a wide range of drugs, syringe types, and fill volumes, SterileFill delivers up to 140 filled 10mL syringes per hour with precision. Built-in quality checks verify fill level, cap placement, and label accuracy on every unit. For enhanced workflow integration, our optional through-the-wall syringe transfer module enables seamless movement from sterile to non-sterile environments without compromising process integrity.



FILL AND CAP



PRINT/LABEL/INSPECT/BAG

Sterile Fill Model

DIMENSIONS	Width	Fill/Cap: 64" Print/Label/Inspect/Bag: 64"
	Depth	Fill/Cap: 34" Print/Label/Inspect/Bag: 34"
	Height	Fill/Cap: 93" Print/Label/Inspect/Bag: 88"
	Weight	Fill/Cap: 1,800 Print/Label/Inspect/Bag:
BATCH SIZE/CAPACITY	Drug Capacity	Up to 10 Liters
	Syringe Types	Tooling allows all syringe types
	Syringe Capacity	200 (10mL)
	Cap Capacity	100
	Label Capacity	2,500
THROUGHPUT	Speed	140 per hour
OPERATING REQUIREMENTS	Vision Verification	Cap / label presence and barcode correctness/integrity
	Power Supply	120VAC 60Hz 20A service standard
	Power Consumption	Fill/Cap: 800W Print/Label/Inspect/Bag: 1900W
FEATURES	Controls Platform	Allen Bradley or ProFace
	Changeover	< 30 minutes
	Operating System	Windows (Version flexible)
	Unit Display and Input	Touchscreen or keyboard mouse
	Alarm Light	3 color audible alarm-light
	Doors	Locking doors standard
	Printing	Thermal Transfer standard
OPTIONS	Fill Verification	Gravometric
	Sterile Handling	Gloveports
	Printing	Laser or Inkjet

Industry Application and Layout Options:

Designed for Central Pharmacy and 503A Compounding

- SterileFill is engineered to support patient-specific sterile syringe repackaging workflows in hospital pharmacies and 503A facilities, aligning with USP <797> and <800> standards while offering scalable automation for future regulatory adaptation.

Integrated Fill-Finish Automation with Sterility Assurance

- The system automates syringe filling, capping, labeling, and bagging, with built-in verification of fill level, cap presence, and label accuracy. Sterility assurance is supported through validated aseptic processes and optional sterile-to-non-sterile transfer modules.

Modular by Design. Built for USP <797> Compliance

- SterileFill's modular architecture supports deployment across segregated compounding areas, including transitions between buffer rooms (ISO Class 5) and packaging areas, in accordance with USP <797> requirements for airflow, pressure differentials, and contamination control, ensuring environmental integrity in high-risk sterile compounding zones

Optional Features

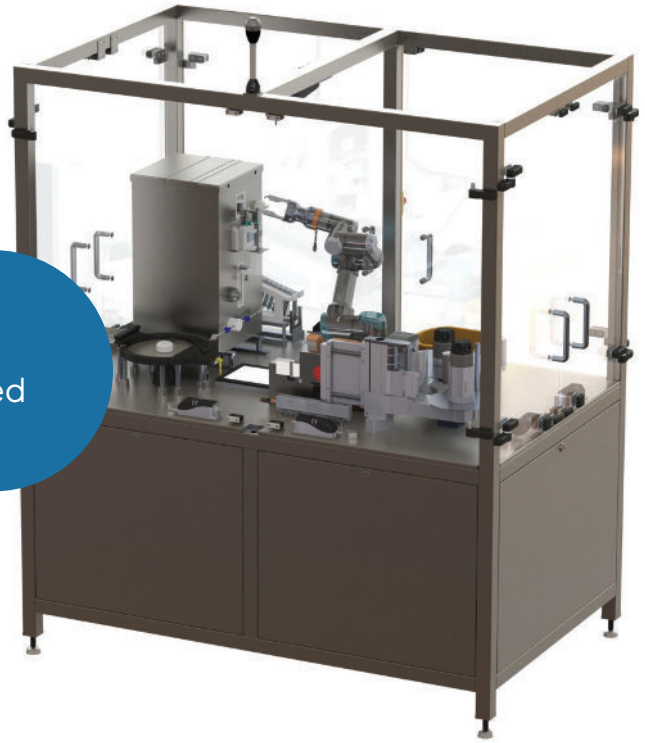
- Throughput: Increased batch capacity behind a modified “2–up” design
- Compounding: Ability to store and draw from multiple drug types in a single batch
- Batch programmability: Run small runs in sequence and understand timing to complete

IT Specifications

The F.P. Developments equipment is integrated within the customer's network infrastructure, which is responsible for overseeing security.

For optimal configuration, the equipment should be placed behind the facility’s firewall. Whenever possible, it is recommended that the equipment be situated in a dedicated local area network (LAN) segment.

To ensure seamless communication between the F.P. Developments system and the facility’s network, the customer must provide the necessary network infrastructure and details.



Network Requirements And Limitations

- A network speed of 100 Mbps or greater for the LAN or WAN is ideal, with 10 Mbps being the minimum requirement.
- Category 5 or higher cabling should be used from the switch to the jack for all applicable units.
- Own dedicated network port located near the robots final placement.
- One static IP address, subnet mask, and gateway address are required.
- DNS or WINS server addresses must be provided for name resolution.
- F.P. Developments does not support Network Address Translation (NAT) IP configurations. DHCP or DHCP reservations are supported.

F.P. Developments

F.P. Developments has been designing packaging manufacturing equipment for the pharmaceutical industry for 60 years. We're known for doing what we say we're going to do, finding the right solution to tough problems, and making sure our customers are happy. Every project we do is a partnership, but it doesn't end with installation. Our commitment is that we remain available for service, troubleshooting, machine upgrades, and support throughout the life of the machine.

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