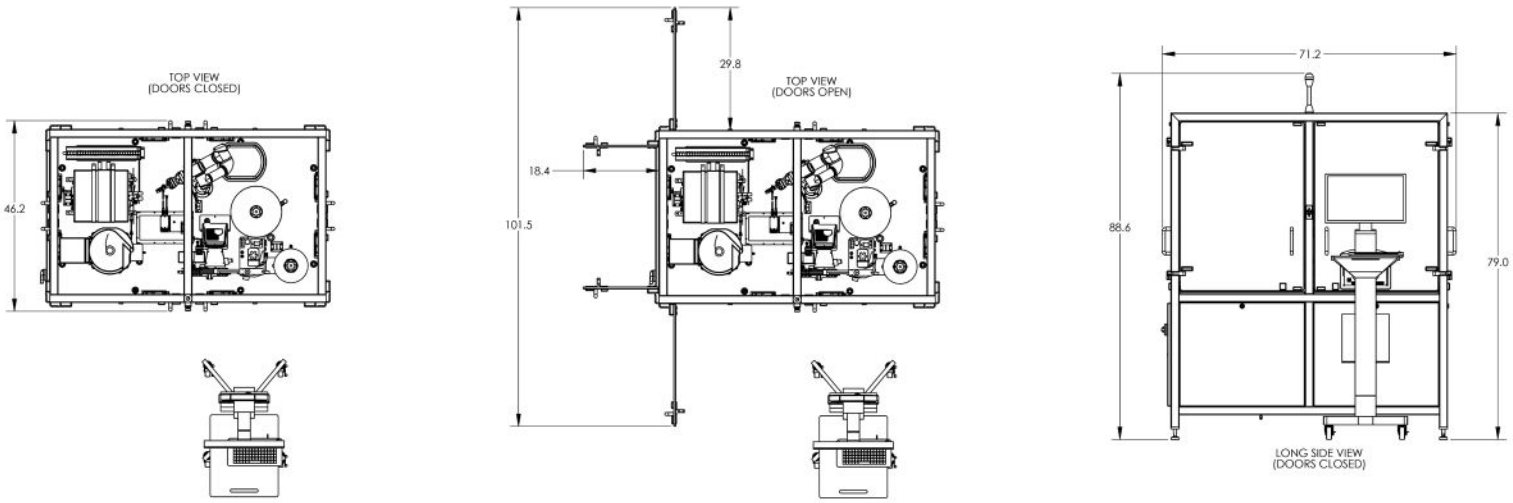
FP DEVELOPMENTS

Automated Oral Syringe Packaging System

Jenbot JH Model

PRODUCT SPECIFICATION GUIDE

Designed to streamline oral liquid syringe repackaging efficiently and safely, the Jenbot JH model offers oral syringe filling, capping, labeling, and handles a variety of drugs, syringe types and fill levels. It processes up to 120 syringes per hour, and ensures fill level, presence of cap, and label accuracy for every syringe.



General Layout Suggestions

- Provide adequate space to access the robot through at least three of the four sides
- Floor must be level (within +/- 1 inch from highest to lowest point)
- Place away from direct overhead ceiling HVAC vents
- Consider placing a terminal with access to the Pharmacy Information System near the robot

JH MODEL		
DIMENSIONS	Width	71 Inches
	Depth	46 Inches
	Height	88 Inches
	Weight	1,544 pounds
BATCH SIZE/CAPACITY	Drug Capacity	Up to 5L
	Syringe Types	0.5–50mL (Oral, Enteral or Enfit)
	Syringe Capacity	100 Syringes (50mL)
	Cap Capacity	100 caps
	Label Capacity	~2,500 (label dependent)
THROUGHPUT	Speed	Up to 120 Syringes per hour
OPERATING REQUIREMENTS	Power Supply	One dedicated 110 VAC / 20 Amp
	Power Consumption	1.2kW
FEATURES	Controls Platform	Proface
	Operating System	Windows (version agnostic)
	Unit Display and Input	Touchscreen or Keyboard/Mouse
	Alarm Light	Audio/Visual Status Indicator
	Doors	Interlocked Transparent Lexan
	Printing	Thermal Transfer
	Label	Configurable font sizes, text length, 1D or 2D barcode
CAPABILITIES	Accuracy	+-2% @ 1mL syringe/fill level
	Fill & Finish	Fill, Cap, Label
	Inspection	Vision verification/weight verification available

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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