



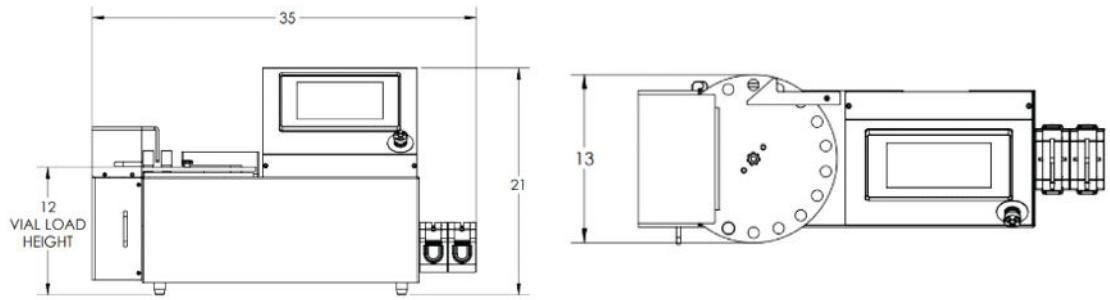
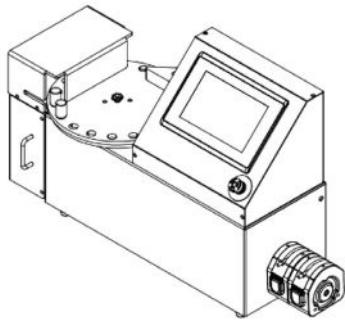
Semi-Automated Vial Extraction Machine

Gleaner Model

PRODUCT SPECIFICATION GUIDE

Fast. Flexible. Hands-Off.

Our semi-automated, tabletop vial extraction machine processes up to 1,000 vials per hour at a 20mL fill, helping your team move faster without sacrificing accuracy. Changeover takes less than 5 minutes, with simple tooling swaps between vial sizes. Automatic vial ejection keeps operators safe and minimizes manual handling—so your team can stay focused and efficient.



Industry and Workflow Support

- This sterile extraction system is a configurable, compliance-ready platform designed for 503B outsourcing facilities, CDMOs, Hospital Compounding Centers with cGMP infrastructure, Sterile Fill-Finish Manufacturers and other cGMP-regulated environments. It enables the extraction of sterile contents from vials into a collection bag. Sterility assurance can be achieved through validated sterile filtration and terminal sterilization. The system supports both aseptic and non-aseptic workflows, making it ideal for upstream processing of sterile starting materials prior to final fill-finish.
- Deployment options include a standalone unit suitable for integration within a biosafety cabinet or a mobile, height-adjustable workstation that houses the electrical enclosure and an integrated tote for used vial collection. The platform is compatible with ISO 5 / EU Grade A air quality standards when used within appropriate containment such as RABS or isolators, ensuring contamination control in high-risk environments.

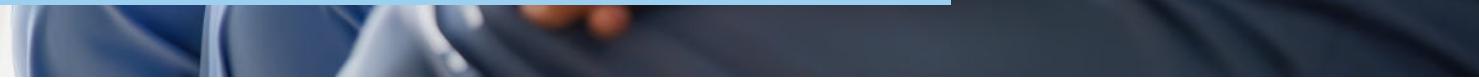
Gleaner Model

| Gleaner Model Technical Specifications | | |
|--|---------------------------|---|
| DIMENSIONS | Width | 35 Inches |
| | Depth | 13 Inches |
| | Height | 21 Inches |
| | Weight | 120lbs |
| CAPABILITIES | Vial Types | 2R-30R |
| | Load Capacity | 6 vials |
| | Gleaning % | ≥95% |
| | Throughput | Up to 1,200 vials per hour |
| | Power Consumption | 600 Watts |
| FEATURES | Controls Platform | Proface or Allen Bradley |
| | Unit Display and Input | 6 or 9 inch HMI |
| | Safety | Interlocked Doors; E-Stop; Hand Controls Optional |
| | Spent Vial Removal | Automatic ejection cam |
| | Fast changeover | Tool free and under 5 minutes |
| OPTIONAL FEATURES | Base | Height adjustable rolling table |
| | Larger Vial Size | Guard/Disk adjustments |
| | Full Automation | Robot vial loading |
| | Higher Throughput | Custom options available |
| | 21 CFR Part 11 compliance | Onboard or Separate SCADA |



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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