

RoboPharma: High-Volume Vial Filling

The HV Wall, powered by the HV Cell gen 6

Part of the RoboPharma central fill hardware portfolio, alongside RoboPharma Unit of Use.

The cornerstone of high-volume central fill. RoboPharma high-volume vial filling delivers accuracy, storage capacity, and speed, with automation purpose-built for fulfillment at scale, not adapted from retail. Across Capsa's installed base worldwide, this technology fills more than 450,000 prescriptions a day. The HV Wall is the system. The gen 6 HV Cell is the engine inside it.



Why it matters

Prescription volume keeps climbing while the pharmacist pipeline tightens. RoboPharma lets the same team fill more scripts and capture that growth, with the resiliency to run without interruption. It carries pharmacy automation heritage from Kirby Lester and the RoboPharma lineage forward, built on decades of dispensing accuracy.

What it means for your operation

- Keep pace with rising prescription volume.
- Keep fulfillment running through service and refills.
- Reclaim floor space and your team's time for higher-value work.

What it does

Throughput that scales.

Each HV Wall can be configured from 5 to 30 filling points. Each HV Cell stages the order ahead of time. When the vial arrives on the line, it's filled. No bottlenecks, no backups. Add cells to expand capacity as your operation grows.

Universal dispensing.

Supports most oral solid doses on the market. Canister-based systems calibrate to a single NDC; the HV Cell adapts to accommodate a wide range of pill sizes and shapes.

Individual chutes.

One medication per chute and access point, isolating each medication to prevent cross-contamination.

No single point of failure.

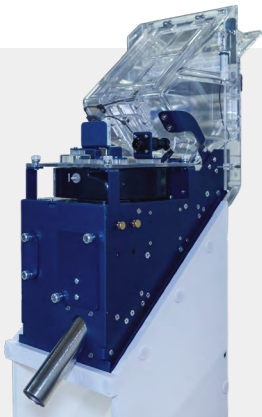
Cells operate independently, so dispensing continues while any one is serviced. Each is engineered for cleaning and service with minimal downtime, and a sealed collimator keeps dust out of the housing. Built-in redundancy keeps the line running.

Canister-free replenishment.

Scan the cell, scan the bottle, and reload while the rest of the system keeps running. The scan verifies the match and supports inherited PV2 where allowed by the State Board of Pharmacy.

Self-calibration.

Pharmacy staff can recalibrate the cell on-site. No service call. No need to send it offsite.



Specifications

Proven scale: more than 450,000 oral solid prescriptions processed per day across all installed operations worldwide.

Footprint: up to 3.5 scripts/sq ft; up to 50 percent less floor space; U-shaped conveyance.

Capacity: The HV Wall is built in sections of 20 HV Cells. Up to 6 sections, for a total of 120 cells, can be connected and served by a single conveyor system. Each section has 5 filling points. 4000 CC hoppers. Covers roughly the top 80 percent of SKUs and dispensed volume.

Calibration: in-facility, no service call.

Verification: inherited, remote, or manual PV2, depending on state board approval.

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Core Values

- Engineered for Central Fill Needs: Purpose-built for high-capacity pharmacy operations
- Optimized Run Time: Self-adjusting speed for each pill shape maximizes efficiency
- Autonomous Design: Integrates seamlessly with conveyor systems and pharmacy management programs
- No Single Point of Failure: Designed for operational continuity
- Limitless Capacity: Modular design allows easy expansion
- Universal Counting: Supports almost any tablet, capsule, or gelcap
- Space-Saving Design: Allows easy access for replenishment and cleaning
- Self-Calibrating Software: Automatically adjusts to medication changes

Experience the
High-Volume
Cell in Action



High-Volume Counting Cell Specifications

Specification	Details
Dimensions	22”H x 8.5”W x 20”D
Weight	20 lb.
Counting Speed	Scales with quantity (10 pills/second for 60-count prescriptions; 18 pills/second for 300-count prescriptions)
Medication Capacity	4L hopper (e.g., 28,000 atenolol 25mg; 5,600 ibuprofen 200mg; 1,800 metformin HCl 1,000 mg)
Maximum Throughput	Up to 480 fills/hour
Automation Capability	Handles up to 90% of a central fill/mail-order pharmacy’s total vial-filled prescriptions
Count Accuracy	Fewer than 3 errors per 10,000 tablets or capsules
Compatibility	Universal design accommodates most oral solid medications, including gelcaps
Calibration	Self-calibrating on-site
Tablet Size Range	0.125” to 0.86”
Counting Technology	Optical
Power Requirements	180W; 100-240V at 50/60 Hz; 4A
Interfaces	Fully supports customer’s connectivity needs
Materials	FDA-compliant stainless steel, anodized aluminum, medical-grade polycarbonate
Daily Maintenance	Regular cleaning for optimal performance
Integration	Adapts seamlessly to new or existing operations
Racking System	Customizable for various installations, typically in banks of 20 cells (4 tiers high)