

Capsa's High-Volume Counting Cell

High-Volume Counting Cell Overview

Capsa Healthcare's proprietary High-Volume Counting Cell is the engine that drives many of the world's largest mail-order and central fill systems. Designed specifically for high-capacity systems – and not retail pharmacy operations – the HV Cell is unmatched in its ability to automate tablet and capsule dispensing.

Whether serving as the cornerstone of a new central fill design or replacing outdated retail robotic counters, the HV Cell delivers:

- Limitless Capacity
- Unrivaled Speed
- Undisputed Accuracy

Ready to see for yourself? Ask Capsa how you can experience the transformative effects of the HV Cell.

HV Cell By The Numbers

8x	Up to 8x the capacity of linear robot canisters (4,000cc vs. 500cc)
50%	Save 50% in labor costs or more
4x	Up to 4x lower cost per filled script
30-50%	30-50% lower investment than retail robots
82%	Up to 82% reduction in daily replenishment time
480	Continuous staging to achieve up to 480 fills/hour

Two Approaches to Central Fill Vial Filling Automation

Traditional robotic dispensing systems are designed for lower-volume retail pharmacy use, with modifications to adapt them for central fill operations. In contrast, Capsa's High-Volume Cell is purpose-built from the ground up exclusively for high-volume central fill environments, delivering unmatched efficiency, scalability, and reliability. This fundamental difference in design sets the stage for superior performance.



ROBOTIC DISPENSING

VS.

HIGH-VOLUME CELL

- 40-60% of oral solid dispensing
- Abilify 2mg / 3,125
Ibuprofen 200mg / 700
Metformin HCL 1000mg / 225
- 500cc Cassette
- 44x to fill 10,000 tablets
- Limited savings
- Requires full robotic system

WORKLOAD

- Automate up to 90% of oral solid dispensing volume

CAPACITY

- 4,000cc hopper accommodates 1,000s of pills
- Abilify 2mg / 25,000
Ibuprofen 200mg / 5,600
Metformin HCL 1000mg / 1,800

REPLENISHMENT

- 5x to fill 10,000 tablets

LABOR SAVINGS

- Eliminate manual tasks for a 50% or more daily labor savings

SCALABILITY

- Grows with your operation with a simple upgrade process

Capsa's High-Volume Counting Cell

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)