

# BD Vmax 160

The only end-to-end\*  
unit-of-use automation  
system for centralized  
pharmacy fulfillment



\*From replenishment to dispensing in an integrated central fill conveyance system



## Unit-of-use prescriptions are rising. So are pharmacy labor costs.

Pharmacies need new automation solutions to keep up with today's market.

### 23%+

of central fill dispense volume is unit-of-use<sup>1</sup>

Automating unit-of-use fulfillment maximizes efficiency gains from the central fill model

### 33%+

increase in pharmacy tech wage growth since 2015<sup>2</sup>

High labor costs require pharmacies to make the best use of their staff's time

### 214%

surge in GLP-1 prescriptions in 2023<sup>3</sup>

Rise in cold-chain, unit-of-use volume adds complexity to workflows

**Turn growing unit-of-use demand into an opportunity** with centralized pharmacy fulfillment and smart automation solutions from BD.

# Introducing BD Vmax 160: the only end-to-end unit-of-use automation system for central fill

Do more with your staff's time by streamlining every step, from replenishment to dispensing, with true walkaway automation that enables 24/7 optimization of ambient and cold-chain inventory for boxed medications.

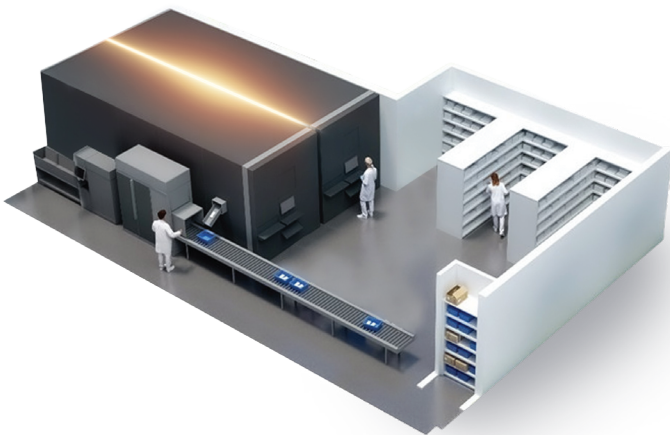
## Fully automated workflow



Automating unit-of-use fulfillment empowers your staff to focus on clinical tasks while confidently meeting the fast-growing demand for specialty medications.

## Seamless integration into central fill

BD Vmax 160 integrates with BD Parata™ Complete Connect™ to automate unit-of-use fulfillment on the central fill line and provide real-time operational data on a unified dashboard.



# Transform prepackaged medication fulfillment in central fill with BD Vmax 160

**Reduce** labor-intensive unit-of-use tasks, so staff can focus on more value-added work

**Get results** with proven, flexible automation that is built for reliable performance over time

**Ensure** patient safety and reduce drug waste with reliable automation and tracking capabilities

**Fulfill** high-value unit-of-use medications reliably to support revenue growth and ROI



**Cut manual dispensing by 80%**  
with BD Vmax 160 in central fill.<sup>4</sup>

# Purpose-built automation features that drive efficiency and compliance

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## Automated replenishment

Enable overnight replenishment to free up daytime capacity with BD Vmax EasyLoad.

- <0.2% error rate<sup>5</sup>
- 3-second loading time per tote for replenishment<sup>4</sup>



## Automated labeling

Combine your dispensing and labeling workflow to eliminate time-consuming manual tasks.

- Minimize manual errors through consistent label application<sup>5</sup>
- Meets labeling requirements for all 50 states



## Cold-chain capability

Streamline cold-chain workflows. Ensure proper storage. Improve staff satisfaction.

- Designed for 2–8°C environment
- BD Vmax 160 can operate within a 3rd party refrigerator
- Last mile tracking supports drug integrity through BD Parata Complete Connect™ integration with VPLRx



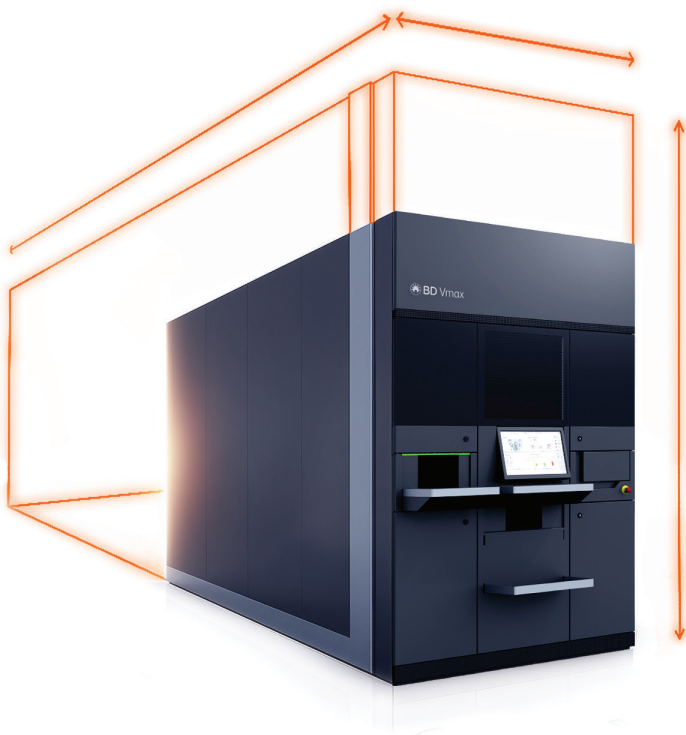
## Smart expiry prioritization

Automatically prioritize dispensing by expiry date to reduce waste, protect revenue, and support compliance.

- Expiry date automatically detected and tracked from input to dispensing
- Prevents dispensing of expired medications
- Manual NDC entry also available for flexibility

# Flexible configurations to fit **your unique** central fill needs

Tailor your automated solution to meet your specific needs with multiple size and shelving dimensions. Additional customizations include clear glass panel installation and your choice of black or white color options.



## Core size options

| Width                               | Height                              | Length                             |
|-------------------------------------|-------------------------------------|------------------------------------|
| <b>Standard:</b><br>5.3 ft (1.63 m) | <b>Standard:</b><br>7.4 ft (2.25 m) | <b>Small:</b><br>18.2 ft (5.56 m)  |
|                                     | <b>Vaulted:</b><br>11.5 ft (3.52 m) | <b>Medium:</b><br>24.3 ft (7.42 m) |
|                                     |                                     | <b>Large:</b><br>34.0 ft (10.36 m) |

Custom sizes available at additional cost.

With **2 picking heads**, you can increase dispensing and replenishment throughput as needed.

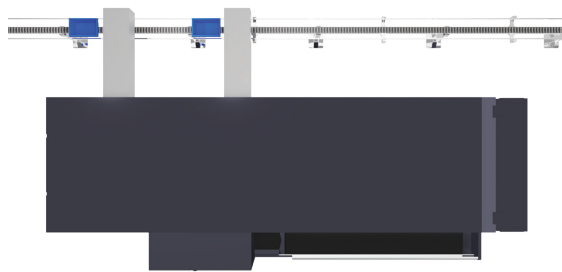
### Available modes

- High-throughput dual dispensing
- High-throughput dual replenishment
- Simultaneous dispensing and replenishment

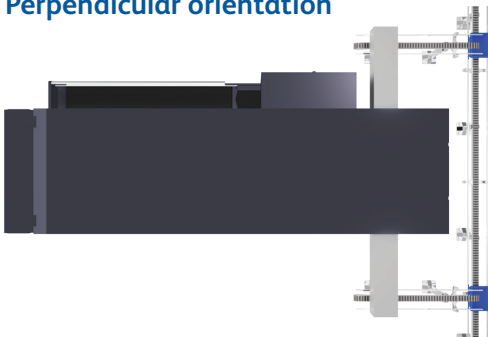
## Lay out your central fill pharmacy your way

BD Vmax 160 can be set up as **parallel** or **perpendicular** to the central line conveyance.

### Parallel orientation



### Perpendicular orientation



# BD is your expert partner in innovative, reliable pharmacy automation



## 15K

BD Vmax  
installations worldwide\*

\*Including non-central fill sites.

## 20+

Years of proven  
performance in unit-of-use  
automation and central fill



Leverage our **data-driven ROI calculator** to confidently estimate projected labor savings from BD Vmax 160.

Calculate savings at [mms-calculator.bd-heor.com](https://mms-calculator.bd-heor.com)



### Strategic, secure partnership

Choose a central fill partner who uses a data-driven approach backed by unparalleled expertise to develop flexible, enterprise-ready solutions that turn investment into value.



### Specialized expertise and dedicated support

Gain access to experienced pharmacists on staff who have led outpatient operations to offer expertise, guidance and support. We'll stick with you for post-go live support and ongoing optimization from specialized maintenance to engineering.



### Continuous investment in innovation

Our R&D is guided by the expertise of our in-house pharmacists and insights from pharmacist users, driving continuous BD Vmax enhancements that reflect real pharmacy needs and deliver lasting performance and value.



# Automate unit-of-use fulfillment in your central fill pharmacy

BD Vmax 160 delivers industry-leading automation that enhances operational efficiency and boosts productivity.



Learn more at [Parata.com/VmaxCentralFill](https://Parata.com/VmaxCentralFill)



#### References:

1. BD customer formulary data.
2. U.S. Bureau of Labor Statistics.
3. Evernorth Research Institute. Pharmacy in Focus: Navigating the GLP-1 conundrum 2025.
4. Observed at one US central fill customer site. Results may vary by site, volume, and workflow.
5. Data on file.

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