



Experience the next level in medication management  
BD Pyxis™ Medstation ES System





*Improving the safety and costs  
of healthcare for generations to  
come\**

## Feeling the pain of medication management, hospitals find a prescription that works

In an effort to improve patient care, patient satisfaction scores and efficiency, hospitals are taking a close look at their medication management system. Studies have found that the path medication takes from the pharmacy to the patient can be error-prone and inefficient<sup>1</sup>. These challenges often increase risks and costs, delay therapies and complicate efforts to meet regulatory requirements<sup>1</sup>.

From pharmacy to nursing to the patient, there has to be a better way to get medications to the right patient without delay.

### BD Pyxis™ Medstation ES System Solutions

BD Pyxis™ Medstation ES System is designed to address the changing landscape of healthcare and to usher in a new generation of BD Pyxis™ Solutions. Cornerstones of the new platform are the BD Pyxis™ Enterprise Server and BD Pyxis™ MedStation ES System. The new platform features enterprise-wide integration capabilities compared to legacy BD Pyxis™ Systems.



## Automating the medication management process

BD Pyxis™ MedStation ES system can help you manage medications by automating the process throughout the hospital. This market proven system streamlines medication distribution, improves nursing and pharmacy collaboration and workflow<sup>2</sup>. Furthermore, it helps support regulatory compliance efforts and interoperates with your hospital information technology (HIT) to provide information where and when it's needed<sup>2</sup>.

- Helps start patient therapies faster by reducing time to first dose compared to manual system<sup>\*3</sup>
- Gives nurses fast and easy access to the medications they administer<sup>\*4</sup>
- Improves the predictability related to where to find medications<sup>\*4</sup>
- Reduces missing doses and improves workflow efficiencies<sup>\*4</sup>





### BD Pyxis™ ES System advantages:

- Provides simple and improved clinical workflows and patient centric care<sup>\*4</sup>
- Helps reduce disruptions, delays and risk of error<sup>\*4</sup>
- Offers increased security and capacity for storing larger medications<sup>\*5</sup>
- Leverages centralized configuration efforts across the healthcare organisation<sup>5</sup>
- Allows system access from any hospital computer or web browser<sup>5</sup>
- Reduces IT footprint and leverages existing investments<sup>5</sup>
- Enables meaningful integration with HIT systems<sup>6</sup>





## A platform approach to medication management

While users will recognize many core BD Pyxis™ MedStation System capabilities - such as the ability to help start patient therapies faster by reducing time to first dose<sup>3</sup> and improving nursing and pharmacy workflows<sup>4</sup>, the strength behind the new BD Pyxis™ ES System lies in its ability to provide capabilities that can be leveraged across the healthcare organization in unprecedented ways.

### Supporting nursing and pharmacy

- **Patient-centered workflows:** Simplifies the care-giving process. New user interfaces provide nurses with access to comprehensive medication and patient information located in one place, helping nurses get the information they need more quickly than ever before<sup>5</sup>. Safety enhancements, such as enabling nurses to more carefully select the correct patient by clearly highlighting patients with the same last name, make it easier to help avoid potentially harmful errors<sup>5</sup>.
- **Enhanced formulary and system user management:** Enables pharmacists to manage medications efficiently. Today's pharmacies demand systems that improve medication safety and save time. Integration between the BD Pyxis™ ES System and the Pharmacy Information System (PIS) results in one system formulary for the entire healthcare organization, which can be adjusted as needed for each hospital. And by integrating with the hospital's Active Director™ Software System, user management has never been simpler. Now pharmacy can focus on user privileges within BD Pyxis™ ES System, while allowing IT to manage individual user access<sup>4</sup>.

### Meeting the needs of IT departments

- **Enterprise-ready technology:** Supports industry standard deployment, maintenance and monitoring programs. Flexible deployment such as turn-key hardware and VMware ready are available to fit the unique capacity, scope and IT environment of the hospital or healthcare organisation<sup>5</sup>. The system is designed for increased uptime and built on the latest technologies, bringing more options with less IT support. System security can be managed by the hospital's IT department or by BD.
- **Highly configurable system management:** Ideal for multi-hospital systems. For example, roles can be defined just once at the healthcare organization level and then efficiently implemented and adjusted as needed at each hospital site saving time and helping standardize processes<sup>5</sup>.
- **Common interfacing functionality:** Minimizes the amount of IT infrastructure required. The BD Coordination Engine, a software-based interface engine enabling centralized integration between BD Pyxis™ ES Technologies and the HIT, allows hospitals and healthcare organizations to add functionality and devices as needs arise<sup>4</sup>.



BD Pyxis™ MedStation ES System



BD Pyxis™ MedStation ES System typical configuration

## BD Pyxis™ MedStation ES System typical configuration



## BD Pyxis™ MedStation ES Mains



BD Pyxis™ MedStation ES  
6-drawer main  
57.9 cm W x 67.8 cm D x 138.2 cm H

BD Pyxis™ MedStation ES  
4-drawer main plus bin  
57.9 cm W x 67.8 cm D x 138.2 cm H

BD Pyxis™ MedStation ES  
2-drawer main  
57.9 cm W x 67.8 cm D x 70.9 cm H

BD Pyxis™ MedStation ES  
0-drawer main  
(connected to modular cabinets)  
57.9 cm W x 67.8 cm D x 37.3 cm H



## BD Pyxis™ MedStation ES Auxiliaries



BD Pyxis™ MedStation ES 7-drawer auxiliary

57.9 cm W x 68.6 cm D x 119.4 cm H



BD Pyxis™ MedStation ES half-height column auxiliary (2 doors)

78.7 cm W x 71.1 cm D x 109.2 cm H



BD Pyxis™ MedStation ES single column auxiliary (4 doors)

78.7 cm W x 71.1 cm D x 201.9 cm H



BD Pyxis™ MedStation ES double column auxiliary (8 doors)

132.1 cm W x 71.1 cm D x 201.9 cm H

## Related products



BD Pyxis™ Smart Remote Manager  
(refrigerator not included)

## BD Pyxis™ MedStation ES Drawers



Half height BD CUBIE™ Pocket



Full height BD CUBIE™ Pocket



Matrix drawer with optional return bin



MiniDrawer (I-6)



MiniDrawer (I-18)



2D barcode scanner included

## BD Pyxis™ Refrigerator



All products and product specifications depend on model and local availability. To view full listing of product for your country, please contact your local sales representative – via [bd.com/en-au](http://bd.com/en-au).

## Pyxis Enterprise Server

### Flexible enterprise-ready server deployment options

BD Pyxis™ Medstation ES Enterprise Server provides hospitals a scalable, flexible foundation for managing BD Pyxis™ Medstation ES platform technologies on a single database. This enterprise-ready system provides technology deployment options that can grow with you in size, scope, and capacity for years to come. The system's design increases up-time and minimizes time spent managing redundant data.

### Deployment options include:

#### VM ware-ready

A VM ware application can be deployed in a customer's virtual environment.

#### Hardware and software

A VM ware application can be installed on a Dell™ server sold through BD.

\*compared to manual systems.

### Reference:

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3. Lehnborn, EC., Oliver, KV., Baysari, MT., Westbrook, JI., 2013. Evidence briefings on interventions to improve medication safety: Automated dispensing systems. *Australian Commission on Safety and Quality in Health Care*, 1(2), pp.1-4.
4. Martin, E., Burgess, N. and Doeck, C., 2000. Evaluation of an Automated Drug Distribution System in an Australian Teaching Hospital. *The Australian Journal of Hospital Pharmacy*, 30(4), pp.141-145.
5. BD Data on file.
6. McGinley, P., 2022. *IT Integration in the OR - Patient Safety & Quality Healthcare*. [online] Patient Safety & Quality Healthcare. Available at: <<https://www.psqh.com/analysis/it-integration-in-the-or/>> [Accessed 11 January 2022].

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