

PHARMACY UNIT-DOSE LABELING

ZEBRA® PRINTING SOLUTIONS



Zebra Bar Code Print Solutions: the Foundation for Safe Unit Dosing

As a hospital pharmacist, you know the importance of preventing errors in medication dispensing and administration to ensure patient safety. Zebra® thermal bar code printers and labels offer the most effective way for you to meet patient safety goals for unit-dose labeling established by The Joint Commission (formerly JCAHO) and the American Society of Health-System Pharmacists (ASHP).

Scanning bar code labels produced by reliable Zebra thermal printers enables you to automatically verify and record medication dispensing as well as check the NDC number against the prescription order to validate that the correct medication and dosage were dispensed. The same Zebra bar codes used for dispensing also enable bedside medication administration applications, which are at the heart of bar code patient safety programs.

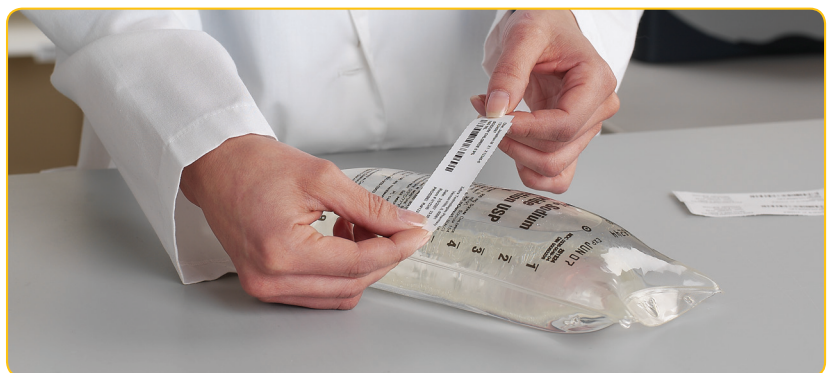
In fact, a recent Institute of Medicine report entitled "Preventing Medication Errors" cites that medication errors harm 1.5 million people and kill several thousand each year in the United States, costing the nation at least \$3.5 billion annually. Because of such wide-spread drug errors, hospitals have made the implementation of automated bedside administration systems a top priority. And, at many of these hospitals, bar codes produced with Zebra printers and media are an integral part of the bedside solutions. By scanning Zebra bar codes on the unit-dose label, patient wristband, and employee ID badge, nurses and aids automatically and accurately perform a Five Rights check before administering medications.

Scanning bar codes produced by reliable Zebra thermal printers and labels enables you to automatically verify and record medication dispensing as well as check the NDC number against the prescription order to validate that the correct medication and dosage were dispensed.



ZM400™

The ZM400 printer combines fast print speed, quick throughput, and a high duty cycle into a rugged, full-sized metal printer designed to enhance productivity.



Meet All Your Pharmacy Labeling Needs

The optimal approach for maximizing patient safety is to add bar coded variable data to every drug in your pharmacy. Regardless of how many pharmaceuticals you receive from suppliers that are marked with bar codes at the unit-of-use level, your pharmacy will need to repackage or mix certain medications as unit doses bearing patient-specific or drug-specific labels. Zebra can meet all your on-demand bar code labeling needs, whether it's repackaged bulk products; overwrap bags; irregularly shaped items such as syringes, vials, and ampules; patient-specific compounds; IV bags; or partial or pediatric doses.

With Zebra's thermal print solutions, your pharmacy will benefit from:

- A wide range of label sizes and materials, including labels suitable for curved or irregular surfaces such as IV bags or vials. Optimized for use with Zebra printers and resistant to scratches, moisture, alcohol, cold storage, and other elements, they perform reliably in pharmacy and patient care settings—with bar codes that remain sharp and scannable for the life of the label.
- Rugged and reliable thermal printers that are engineered to support the label materials and adhesives used for unit-dose and other pharmacy labeling applications.
- Easy integration with your pharmacy information and other HIT systems. Equally important, you won't need to replace Zebra printers as you adopt and implement new HIT systems.
- The ability to efficiently process and print variable data on bar coded labels, including lot codes and expiration dates, with little or no slowdown in performance.

- The ability to easily print text and graphics, effectively supporting your legacy pharmacy labeling processes if you're gradually adopting bar coding.
- Printers that support all bar code symbologies commonly used for unit-dose labeling. Many Zebra printers excel at producing high-quality small symbologies, such as 2-D and GS1 DataBar™ (RSS), that are suitable for vials, syringes, and ampules. Additionally, they can produce multiple symbologies and graphics with no upgrades or modifications required.

Zebra thermal printers and labels produce bar codes used for dispensing—and those same bar codes can also enable bedside medication administration applications. The optimal approach for maximizing patient safety is to add bar coded variable data to every drug in your pharmacy.



COUNT ON ZEBRA

Zebra is a global leader in on-demand specialty printing solutions, and is a proven pioneer in bringing their benefits to hospitals and other healthcare facilities worldwide. You can trust us and our authorized partners for unparalleled bar coding expertise, just as many other leading healthcare providers do. In addition, we serve many Global 2000 companies and 90 percent of the Fortune 500.

Zebra Pharmacy Labeling Solutions

A wide variety of healthcare facilities use Zebra print solutions to produce bar codes for:

- Both patient-specific and drug-specific unit-dose labels in the pharmacy.
- Patient ID wristbands in admissions and at nursing stations.
- Sample-tracking and blood bag labels in the lab.
- Specimen ID labels at the bedside.
- Film jacket labels in radiology.
- Labels for tracking medical equipment throughout the hospital.
- Hospital employee ID badges.

Zebra has worked with many leaders in bar code patient safety initiatives to develop printers and label supplies that meet healthcare providers' needs for reliability, performance, ease of use, and seamless connectivity to information systems. In fact, we have alliances with numerous HIT software providers—many of whom have certified our products.

Zebra thermal printers have many features and options that are highly advantageous for pharmacy labeling programs. They're available in many sizes, ranging from extremely compact desktop models that fit easily into crowded pharmacy counters, to larger, durable industrial and commercial units suitable for repackaging and other high-volume applications.

For a recommendation on the right Zebra thermal printers and supplies for your pharmacy labeling needs, call +1 800 423 0442 to request that a Zebra Authorized Partner contact you.

For optimum print quality and printer performance, use genuine Zebra™ supplies. Call +1 866 230 9495.

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