

# PillPicker

## Automated Drug Management System

## Packaging

PillPicker is the central packaging component of the PillPick system. PillPicker packages, bar-codes and labels bulk pharmaceutical items into unit doses ready for automated dispensing and bedside verification.

### Operation

PillPicker packages all products in a sealed bag labeled with a bar-code and a unique serial number. Unit-dose medications can be dispensed from the PillPicker or automatically loaded into the storage module (DrugNest).

PillPicker can be loaded two different ways:

- *Manually* - one bulk oral solid box at a time
- *Automatic Buffer* - up to 12 unique oral solids in a buffer (AutoBox), as well as over-wrapped vials, cups, ampoules, injectables and blisters (AutoPhial)

### Automatic Filling

A canister (PillBox) filled with bulk solids is placed into the PillPicker for packaging. PillPicker reads the PillBox's RF tag and compares the data to the packaging order for accuracy. The patented safety lid on the PillBox is automatically opened for access to the contents. A bag is cut to length, the bottom



sealed, then a bar-code, unique serial number, and other medication information is printed on the bag. The bar-code on the bag is verified and a single pill is picked from the PillBox, dropped into the bag, and the bag is sealed. The bag is either stored automatically in the DrugNest, or delivered to a container located at the front of the PillPicker.

### Manual Filling

PillPicker provides for manual filling of individual medications for one-of-a-kind or low-volume products via the AutoPhial module.

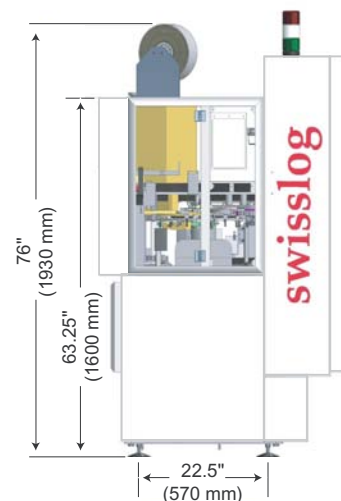
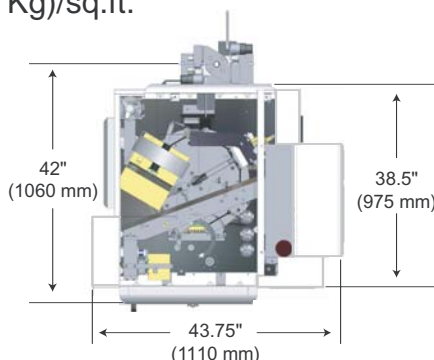
## Features and Benefits

- Promotes patient safety through 100% bar-code identification-validation
- Bar-code labeling supports seamless transition to bedside verification
- Modular design permits stand-alone packaging or integration into total Swisslog pharmacy automation system
- Serialized bags enable medication tracking and facilitates automatic returns

# Packaging

## PillPicker Specifications

**Power requirements:** 460 volt, 3 phase, 6 kW  
**Compressed air:** 2.8 CFM @ 75 psi  
**Weight:** 1102 lbs. (500 Kg)  
**Max. floor loading:** 50 lbs. (22.75 Kg)/sq.ft.  
**Rates:**  
 Peak: 20 bags/min.  
 Average: 600 bags/hr.



### Specifications of Product to be Packaged

**Size:** up to 2.13" (54 mm) dia. and up to 5.75" (146 mm) long\*  
**Weight:** 2.8 oz (80 g)  
 \*with AutoPhial module

### Bag Specifications

**Material:** biaxially oriented polypropylene film  
**Size:**  
 Width: 3" (76 mm)  
 Length: 2.75" (70 mm) min. to 7.5" (191 mm) max.  
**Thickness:** 40 micron  
**Sealing strength:**  $\geq 150$  g/cm  
**Permeability:**  
 Oxygen:  $1100 \text{ cm}^3/\text{m}^2 \text{ d}^*\text{bar @ } 73.5^\circ \text{ F (} 23^\circ \text{ C)}$   
 Water:  $.7 \text{ g}/\text{m}^2 \text{ d @ } 73.5^\circ \text{ F (} 23^\circ \text{ C)}$   
**Optical density:** .42  
**Opacity:** 61.9%  
**Bar-code information:**  
 • Commercial name • Pharmaceutical form • Active principal  
 • Dosage • Supplier's lot number • Expiration date  
 • Unique serial number



Due to ongoing improvement programs, Swisslog reserves the right of production or design change without notice or obligation.

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