Inpatient Pharmacy Automation Comprehensive Solution

iNNOTECH

Solution Introduction

The inpatient pharmacy is an essential part of the medical activities for inpatients. The dispensing work in the inpatient pharmacy is related to the medication safety of inpatients and also to the image of the hospital.

The fully automatic pharma packaging machine and the inpatient pharmacy inteligent management system provide hospitals with an inpatient pharmacy automation comprehensive solution that is accurate in dispensing, convenient in drug collection, rational in process, and well-managed in information management.

Advantages of the Solution

Safe and Hygiene Patient Medication
Oral medications are sealed in medical professional bags to prevent contamination

Lean and Standardized Drug Management
The system can manage the variety, quantity, drug flow information, and expiration dates of stored drugs, trace drug batch numbers, and manage smoothly
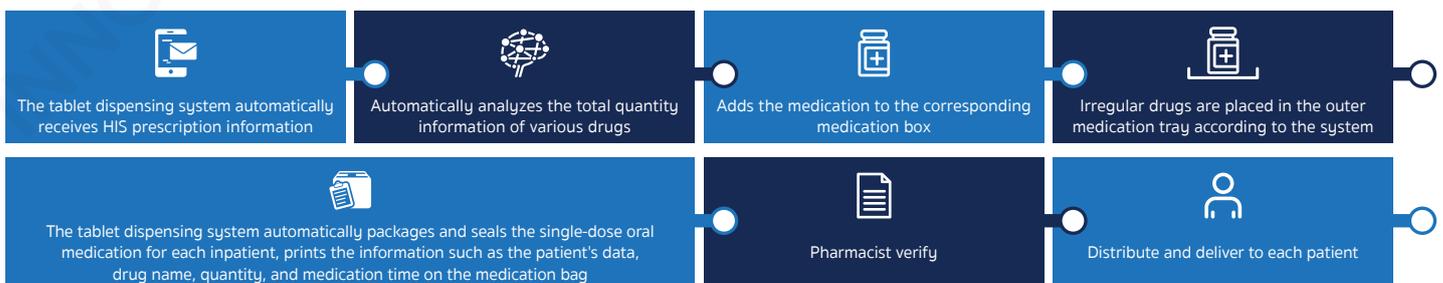
Stable and Suitable Management Environment
The dehumidification system ensures a stable drug storage environment, preventing drugs from getting damp and ensuring the effectiveness of the drugs is not affected

Accurate Medication Dispensing
The machine automatically packages and corrects errors while pharmacists only need to verify to ensure the accuracy of the dispensing

Simplified Medication Process
The system reads, analyzes, and processes information to streamline the workflow and improve the efficiency of drug distribution

Significant Improvement in Pharmacy Image
Medicines are stored centrally to improve space utilization.

The pharmacy layout is rationalized to optimize the pharmacy environment.

Usage Process

The tablet dispensing system automatically receives HIS prescription information	Automatically analyzes the total quantity information of various drugs	Adds the medication to the corresponding medication box	Irregular drugs are placed in the outer medication tray according to the system
The tablet dispensing system automatically packages and seals the single-dose oral medication for each inpatient, prints the information such as the patient's data, drug name, quantity, and medication time on the medication bag	Pharmacist verify	Distribute and deliver to each patient	

Fully automatic tablet & capsule packaging machine

Purpose / Application Scope

The fully automatic pharma packaging machine, based on the prescription information transmitted by the hospital information system, automatically packs a single dose and multi dose of oral tablets or capsules into the same medication bag (single-dose bag), and prints patient information on the bag as needed, such as ward, bed number, patient name, medication time, quantity, QR code, etc., ensuring that the medication is correctly delivered to the patient and that the patient takes it clearly and as prescribed.

Product Features

Medicine Storage Department
The overall electric sliding cabinet-style medicine storage department features a medicine box with a sample display window.

Intelligent Canister
The rotor of the 2 size of canister (Normal/Large) is custom-tailored according to the shape of tablets and capsules, and the canister has RFID Chip allowing for placement at any position.

Manually Dispensing Tray
The tray with 72 compartments, in conjunction with software, can achieve spare medication slots for rotating medication addition, enhancing the overall work efficiency of the machine.

Packaging and Printing
Adopting the method of bagging after filling the medicine, it maximizes the use of the medicine bag volume. With dual heating heads and dual temperature control, it ensures the stability of the packaging effect. Medicine bag can be designed to protect against moisture and UV light.

Medication Verification
Optional medication verfication and detection module can detect the strengths and quantity of the medication, mark the packaging of incorrect medications, and reissue new medications.

Seamless Integration
Seamlessly connected with the hospital's HIS system, with flexible interface methods, it can quickly and accurately process prescription information.

Alarm
Empty canister / Empty medicine bag / Ink ribbon empty / Medication block

Product Parameters

Parameter model	HOH-FB-D360
Machine size (D*W*H) mm	880*930*2000
Qty of canister	360
Touch Screen	15 inches (Active area 13.3)
Portable pad	Optional
Manual dispensing unit (MDU)	72
Weight (kg)	650
Packaging speed	60pcs/min(max)
Pouch size (mm)	75*70
Print type	Thermal printing
Voltage	220V/50/60Hz
Power	550w (max. 2000w)
Measurement Methods	Photoelectric sensor
Max.Capacity/pouch	10 tablets /8 types of medicine