

Automatic Labeling And Dispensing System

Scope of Application:

Suitable for use in PIVAS (Pharmacy Intravenous Admixture Services) or outpatient infusion dispensing department in medical institutions, completing processes such as solvent storage, automated outbound, transmission and labeling, automatic dispensing of medication baskets, dispensing of single prescription injections and baskets collection. The Automatic labeling and dispensing system has replaced the traditional manual multi process labeling and dispensing workflow.



Qingdao Haier Biomedical Co.,Ltd.

No.280 Feng Yuan Road, High-tech Zone,
Qingdao, 266109, P.R. China
E-mail: inquiry@haierbiomedical.com
Website: www.haiermedical.com



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@haiermedicalint



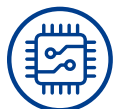
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Product Feature



Continuously complete the process of infusion bag outbound, labeling, dispensing, baskets dispensing, baskets receiving, and caching, achieving automatic operation of the entire process



Equipped with a 17 inch touch screen, it has automatic grabbing, transmission and labeling functions for infusion bags, automatic basket sending functions, automatic receiving of infusion bags and main medicines by medicine baskets, automatic transmission of medicine baskets, automatic distribution for main medicines (penicillin bottles and ampoule bottles) and caching functions for medicine baskets before entering the system. Adopting an integrated automatic working mode, the entire process does not require manual participation



The system completes the process of outbound, labeling, dispensing, and caching of single infusion bag. The overall efficiency can reach 1200 bags/hour, covering an area of less than 28 square meters, and the equipment height is less than 2.1 meters



The system can be seamlessly integrated with but not limited to the HIS system, automatically receive medical order information. It can complete the function of labeling and dispensing medication in PIVAS without any staff on duty. The equipment supports the dispensing of infusion in soft bags and upright bottles/bags of 500ML and below, as well as the dispensing of injections in penicillin bottles and ampoules of 30mL and below



The device is equipped with automatic label pressing function. during the solvent labeling process, the labels and liquid bags are tightly attached without the need for manual operation



The infusion cache module can simultaneously accommodate no less than three sets of movable infusion cache cars. A single infusion cache car has at least 15 infusion cache slots, and the bottom of the cache car has an auxiliary power system. Storage capacity of 100ml solvent soft bags in a single infusion buffer car is more than 500 bags



The drug storage unit adopts an injection box for drug storage, with an injection box magazine design. The injection box has an automatic drug sorting function and the drug export can be precisely customized according to the shape of the stored drugs



The entire labeling and dispensing workflow only requires 1-2 personnel to operate



Product Information

Discription	HOH-PIVAS-D
Dimension (W*D*H) mm	3799*7159*2099
Capacity	More than 1000 infusion bags
Type of Solvent	Soft bags, upright bags
Screen	17 inch touch screen
Inventory Management	First in, first out
Labeling Method	Automatic recognition and precise labeling by robot arm
Dispensing Method	Automatic dispensing according to single injections prescription by single robotic arm or two arms
Drug Types	Ampoule bottles, penicillin bottles
Type of Storage Box	Magazine type box
Storage Capacity	480 injection storage slots, with a comprehensive storage capacity of over 12000 units
Processing Speed (bags/hour)	1200
Power Supply (V/Hz)	220/50
Power Consumption (kwh/24/h)	24
Cabling and Network Requirements	Power supply : 2 sets of power cables, 3 wires per set, 220V, 12KW per set; overhead wiring to ensure reliable grounding with a reserved length of 5m
	Network : Reserve 6 network cables to connect to the internal network and ceiling wiring

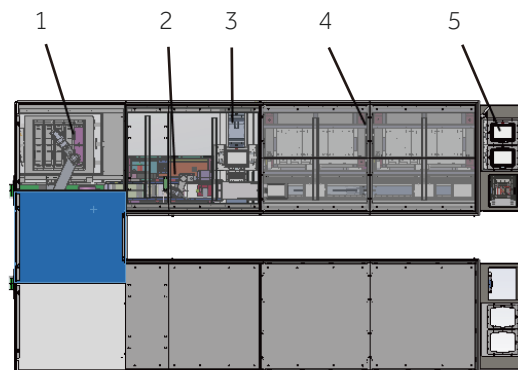




Product Information

This product mainly consists of four modules:

- ⊗ Infusion cart module;
- ⊗ Labeling machine module;
- ⊗ Injection machine module;
- ⊗ Basket sending/receiving module.

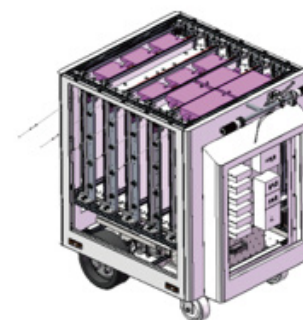


No.	Modules	Description
1	Infusion Cart Module	Storage of infusion bags
2	Labeling Module	Stick medication information on the infusion bag
3	Basket Sending	Dispense baskets
4	Injection Machine Module	Dispense the required injections into the medicine basket
5	Basket Receiving	Collect the medicine baskets

Parameters of the following four modules:

(i) Infusion Cart Module


No.	Discription	Parameters
1	Capacity	100ml infusion bag 600 bags 250ml infusion bag 200 bags 500ml infusion bag 150 bags
2	Type of Solvent	Soft bags, upright bags
4	Storage Method	Manually storage
5	Take Out Method	Automatical recogniton and take out by Robot arm
6	Power Supply (V)	220
7	Power Consumption (kwh/24/h)	2






Product Information


(ii) Labeling Machine Module

No.	Discription	Parameters	
1	Labeling Method	Automatic recognition and precise labeling by robot arm	
2	Identification Review	Automatic removal of incorrect stickers	
3	Power Supply (V)	220	
4	Power Consumption (kwh/24/h)	3	

(iii) Injection Machine Module

No.	Discription	Parameters	
1	Dispensing Method	Automatic dispensing according to single injections prescription by robotic arm	
2	Drug Types	Ampoule bottles, penicillin bottles	
3	Type of Storage Box	Magazine type box	
4	Storage Capacity	13-44 pieces per box	
5	Power Supply (V)	220	
6	Power Consumption (kwh/24/h)	3	

(iv) Basket Sending/Receiving Module

No.	Discription	Parameters	
1	Installation Method	Floor standing	
2	Sending/Receiving Method	Automatic	
3	Speed	6 seconds per basket	
4	Power Supply (V)	220	
5	Power Consumption (kwh/24/h)	3	