

HENe Series

Phlebotomy Tube Preparation System



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HENe Phlebotomy Tube Preparation System

HENe is an automated device that prints sample information on labels, attaches it to tubes automatically, and prints labels with printed patient information. The software’s user interface makes it easier to perform blood collection tasks such as patient calling, verification, sample information verification, and statistical analysis.

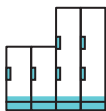
Convenient tube loading system

Recognize tubes for each test preset by the user, prints the patient’s test information and patient information, and labels them on the tube.

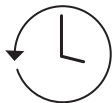
- ✓ Automatic tube labeling
- ✓ Various tubes compatible
- ✓ Fast tube ejection speed
- ✓ Tube and extra label quantity check
- ✓ User-friendly interface



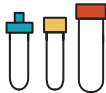
Standard / Expanded(*Optional)
Removable inlet



A large volume of phlebotomy tubes can be loaded



Faster tube printing to reduce wait time



Recognition of tube type (length, diameter, cap color)

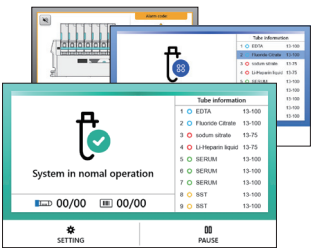
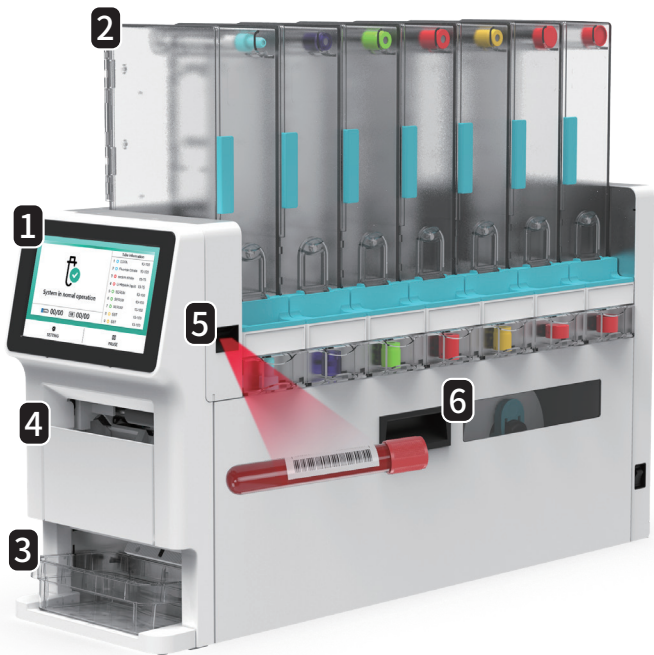


Check the volume of collected blood samples



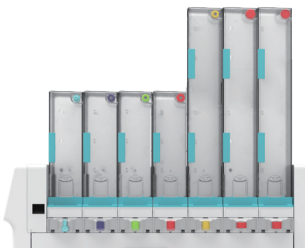
Can be loaded in both directions

Components



1 LCD Display

User can check the equipment’s power, operation status and alarm/error status through the 7-inch touch LCD.



2 Inlet

Two sizes of inlet can be selected, and the tubes can be conveniently loaded regardless of the input direction.



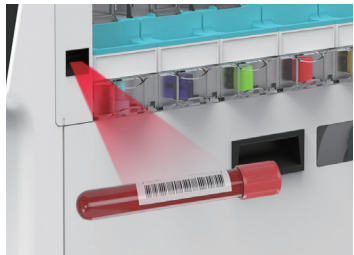
3 Tray

Tubes with specimen information labels and labels with patient information printed are discharged into the Tray.



4 LSM

Apply labels to tubes and dispense them into a tray.



5 Barcode scanner

Check and verify quantity of samples and labels by recognizing barcodes on sample tubes, receipts, and patient identification labels.



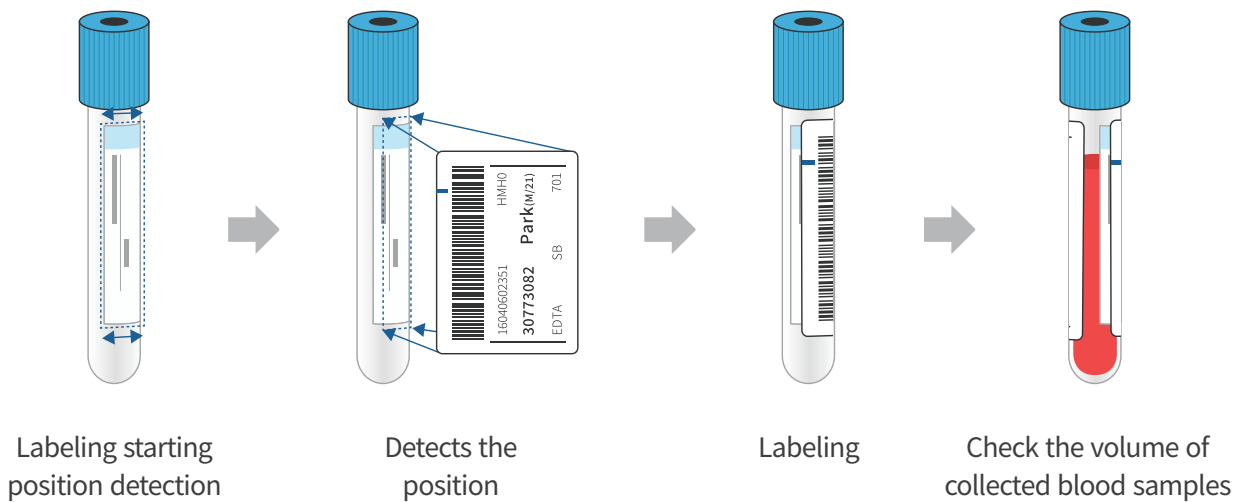
6 Label printer

Prints the sample label to be attached to the tube, blood collection information, and a label required for patient identification.

■ Benefits

Label attachment position detection system

Label attachment position detection system is function that detects the position of the original label before labeling, the clear window is ensured, allowing phlebotomists to check the volume of collected blood samples.

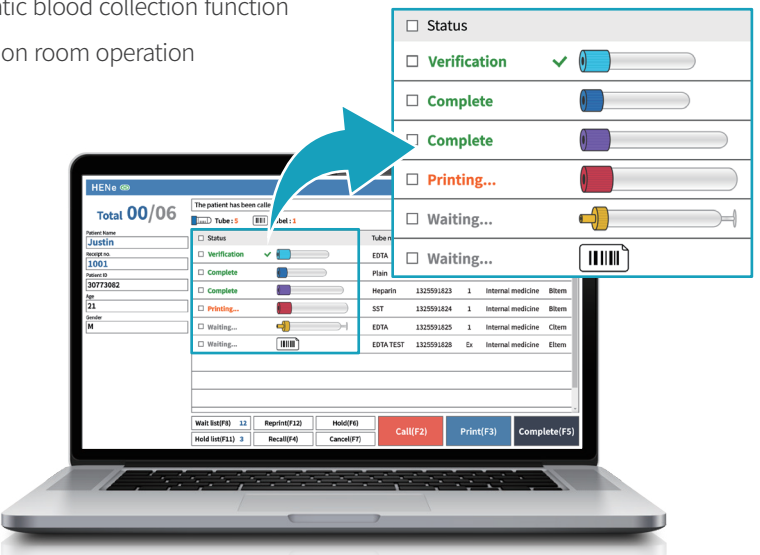


Easy & Convenient Software Program

Dedicated HENe software program can be linked with the LIS to perform tasks such as receiving blood collection, calling, patient management, and statistics management.

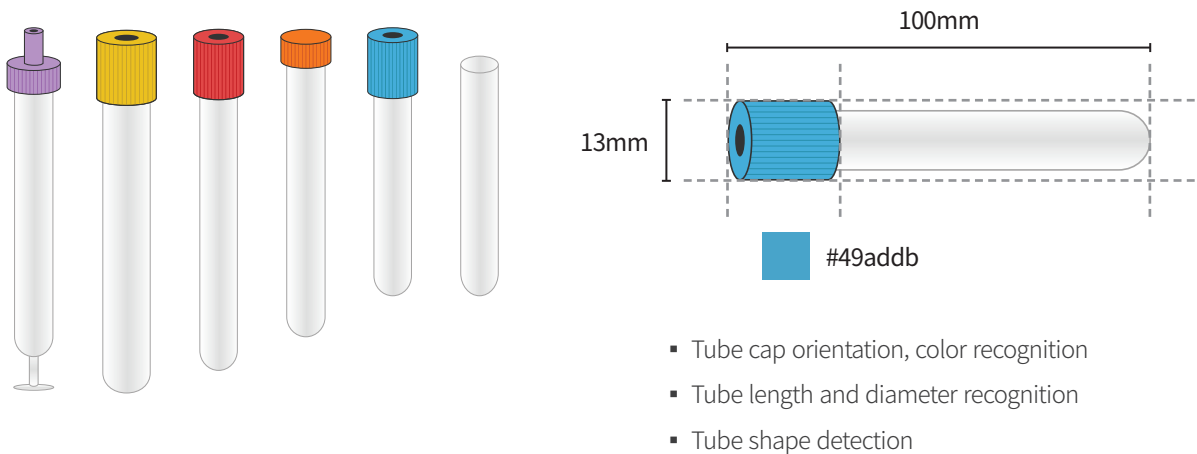
- Provides automatic patient call and automatic blood collection function
- Provide statistics according to blood collection room operation
- Provides patient verification function

- Test Items
- Blood Volume By Period
- Time Statistics by Patients
- Blood Collection History
- Number of Patients by Phlebotomist
- Tube usage per Inlet



A variety of tube compatibility and recognition system

It supports the use of a variety of tubes mainly used in blood collection rooms, ranging from 11 to 16 mm in diameter and 75 to 128 mm in length. It recognizes each tube, including the type, diameter and length, and transmits them to the software program.



Tube cap color detection system

The tube cap color detection system detects the unique color of the tube cap, checks whether the tube with the color preset by the user is properly inserted, and sounds an alarm when there is a discrepancy. If the phlebotomist inserts another tube, HENe can detect it and prevent mistakes in advance.

The diagram illustrates the tube cap color detection system. It shows a tray of tubes with a red cap being correctly inserted, resulting in a green checkmark and the text "Correct tube feeding". Below this, it shows a yellow cap being inserted, resulting in a red X and a warning message.

Correct tube feeding
Color certification completed → Labeling → Discharge to tray

When inserting a tube of a different color
Tube color authentication failure alarm occurs
→ Action taken on LCD → Discharge to tray

* The device will sound an alarm, and user can resolve the problem by selecting the action method displayed on the LCD screen.

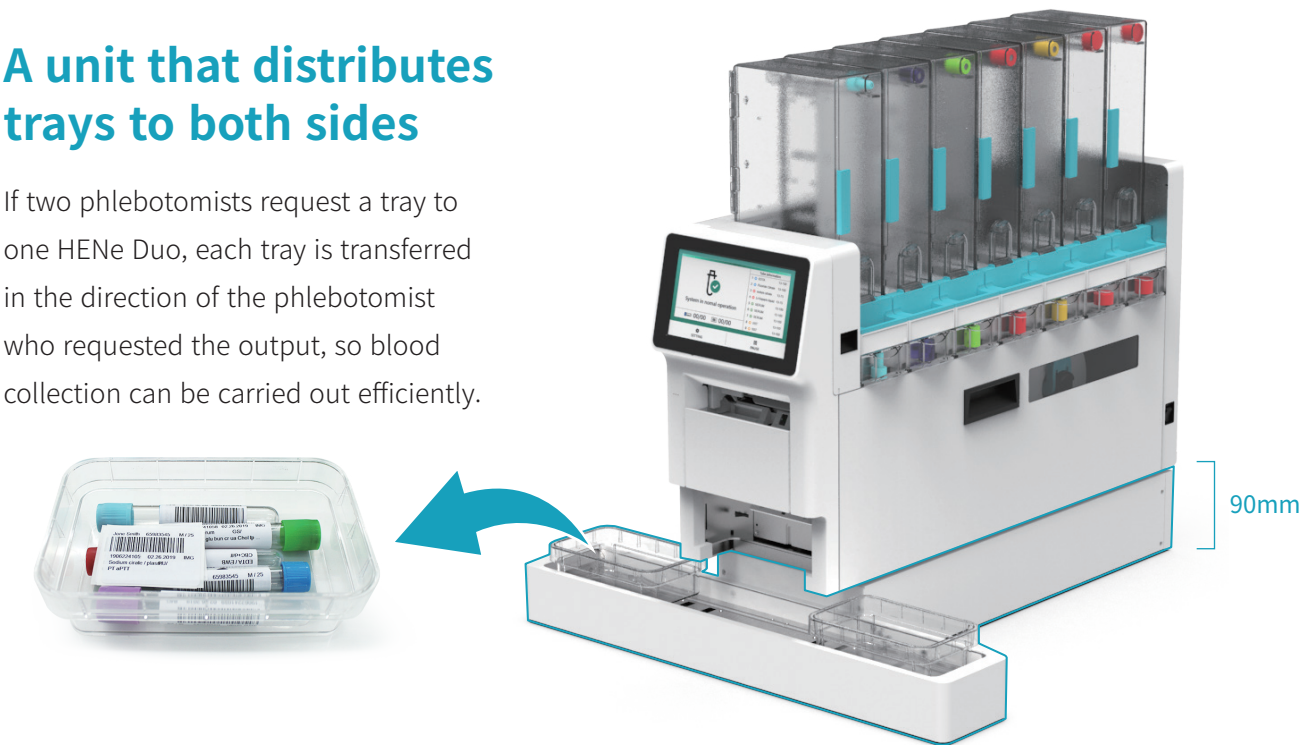
- 1) Proceed labeling with the inserted tube
- 2) After discharging the inserted tube, proceed labeling with the set tube.

HENe Duo (*Optional)

By combining the Duo unit with HENe, the discharged trays are distributed in the corresponding direction, allowing two pathologists to use them on both sides simultaneously.

A unit that distributes trays to both sides

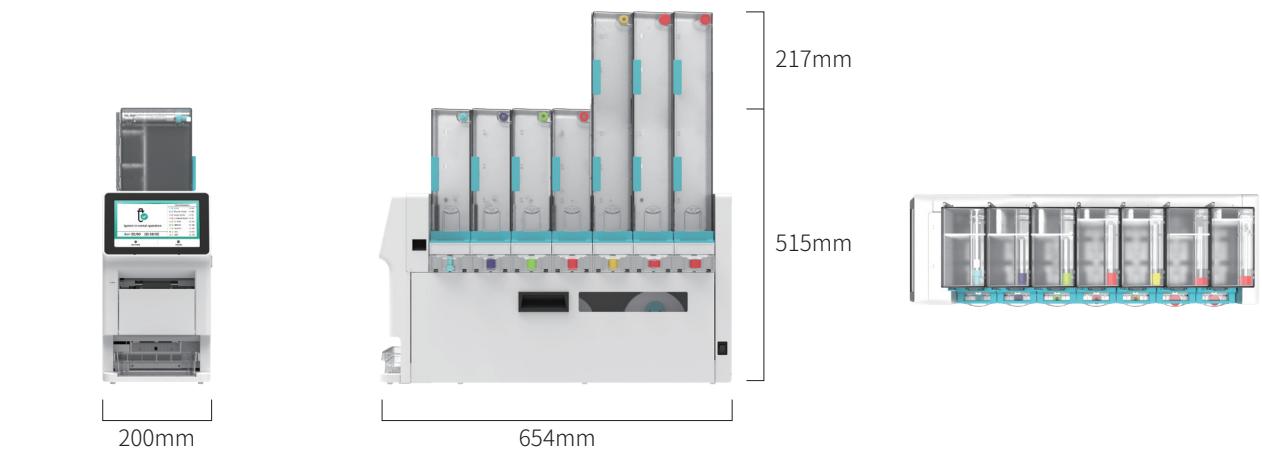
If two phlebotomists request a tray to one HENe Duo, each tray is transferred in the direction of the phlebotomist who requested the output, so blood collection can be carried out efficiently.



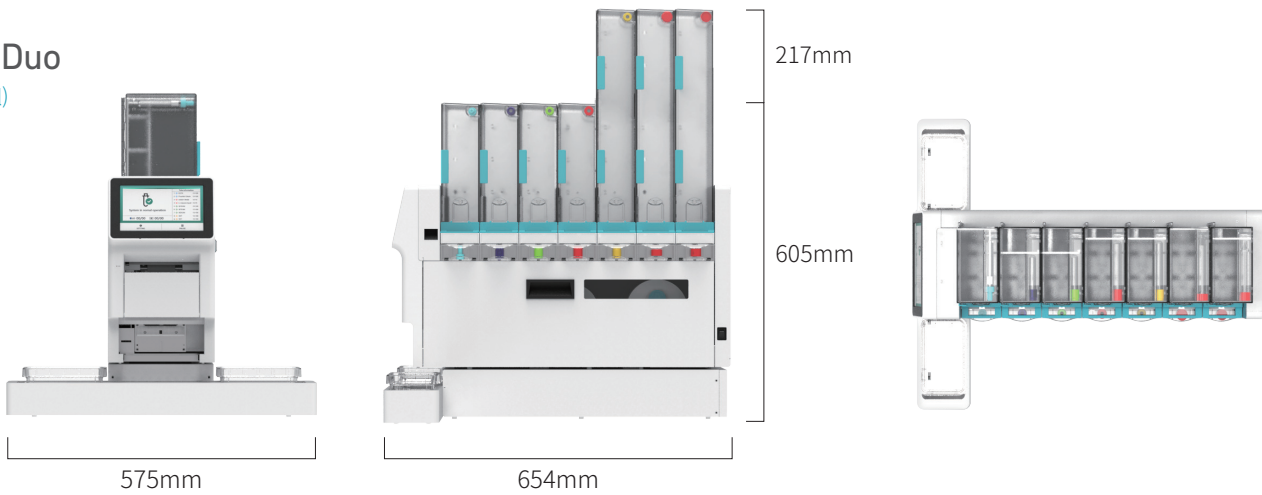
Two phlebotomists can use simultaneously on both sides.

Specifications

HENe



HENe Duo (*Optional)



Model Name	HENe (HENe Duo)	
Production Volume (Hourly Tube Production)	1,200 Tubes	
Tube Loading Capacity	Standard Inlet	13mm : 70ea (*7 inlet = 490ea), 16mm : 50ea (*7 inlet = 350ea)
	Expanded Inlet(*Optional)	13mm : 120ea (*7 inlet = 840ea), 16mm : 100ea (*7 inlet = 700ea)
Tube Discharge Speed	3sec	
Tube Supply Method	Direct tube supply	
Compatible Tube Types	Diameter : 11~16mm, Length : 75~128mm	
Printing Resolution	203dpi	
Label Printing Method	Thermal printing	
Barcode Scanner	1D, 2D	
Compatible Label Sizes	Width : 50mm, Length : 28~35mm, Label Quantity : 3,000 label (per 1 label roll)	
Product Dimension	HENe	200(W) x 515(H) x 654(D) mm (Use Expanded Inlet : 732(H) mm)
	HENe Duo(*Optional)	575(W) x 605(H) x 654(D) mm (Use Expanded Inlet : 822(H) mm)
Product Weight	HENe : 22kg / HENe Duo : 29.6kg	
Power	DC 24V 5A	
Interface	USB, TCP/IP, Serial	
Others	- Label attachment position detection system - Reprint function - Barcode scanner verification - Tube cap collar recognition	
Certificates	CE, KC, RoHS	

- Above specifications are subject to change without notice.

HENe System

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