



VEIN FINDER SYSTEM



Vein Finder System

Technical Parameter

Type of Light Source	adopting near infrared dual light source (850nm + 850nm)
Image Resolution Speed	≥30 frames (no image delay)
Projector Resolution	854×480
Projection Size (full size)	90mm*65mm
Display Screen	2.4 inches
Battery Capacity	6360mAh
Optimal Projection Distance	26cm±2cm
Image Format	BMP
Detectable vein size	≥1mm
Machine Body Weight	400g

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More Accessories



Changeover Plug

Cables

Power Adapter

Vein Finder System

Package



Flexible Table Stand



Mobile Trolley

Product Introduction

Venipuncture is one of the common means of testing and treatment in clinics, hositals and so on. It seems to be a very simple action, **but when it comes to some patients with small veins, dark skin, excessive subcutaneous fat or severe blood loss and dehydration, it is difficult to directly observe and distinguish the veins with the naked eye, which is also a challenging task.** The treatment or Rescue will be delayed if the medical staff fails to puncture or repeats the puncture.

Statistically, the failure rate of venipuncture on the first attempt is: 10%-20% for adults and 40% for children. Among which, 58% of these patients are dissatisfied with the level of venipuncture performed by medical staff. Using the principle that hemoglobin in blood absorbs near-infrared light better than other tissues, **the Vein Finder System can be processed by digital imaging technology to accurately restore the image of blood vessels one-to-one** and projected on the skin surface to help medical staff accurately perform venipuncture, which can significantly improve the success rate of puncture.



Application

- ✓ **General Practice:** blood tests (venipuncture for drawing blood), treatment (venipuncture for drug administration).
- Vascular Surgery Department:** varicose vein treatment, vein stripping treatment.
- Oncology Department:** vascular atrophy in patients who have undergone multiple chemotherapies, which is difficult to detect during treatment.
- ICU:** venipuncture in edematous, obese patients.
- Neonatology/Pediatrics Department:** detection for small blood vessels in the head and feet.



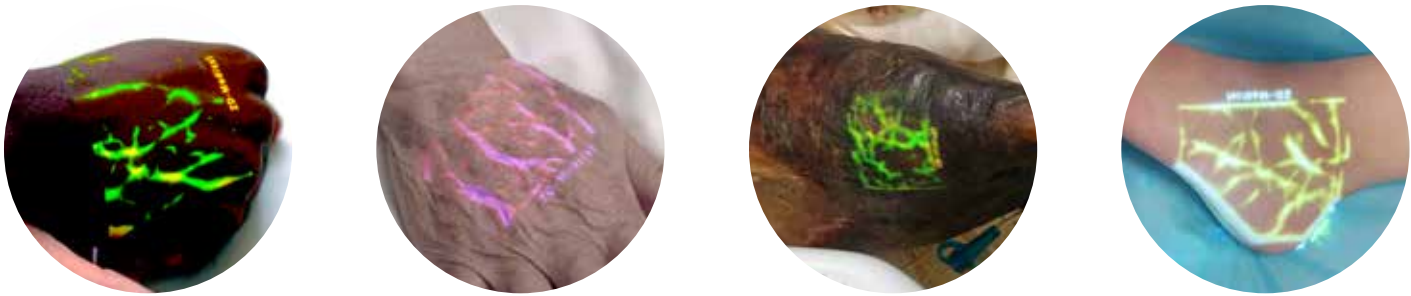
Plastic surgery: auxiliary marking the position of facial blood vessels, which is convenient for facial cosmetic injection to avoid blood vessels.



Beauty micro-finishing field

Functions

It has a variety of user-defined functions to accommodate different ages, body types, skin tones and various operating environments.



Dark-skin patient Gerontal patient Burn patient Children

- **3 Sizes Available:** full size, 2/3 size and 1/2 size, are available for adults, children and newborns.
- **7 Monochromatic Modes Available:** it applys to different skin tones or environments.
- **4 Dichromatic Modes Available:** it facilitates medical staff to detect the depth of blood vessels under the skin which is easier to operate.



Yellow-green



The color of inner circle indicates 0-3mm deep



The color of the outer circle indicates deeper than 3mm

- **Reversible Image:** the Projection Imaging Mode delivers reversible images for more casual operation
- **3 Luminance Levels:** it allows the projection image to be adjusted to the most comfortable luminance effect.
- **Data Storage:** the original angiograms can all be stored and transferred to meet your clinical and research needs.
- **Enhancement Mode:** it enhances the clarity of vascular detection.
- **Sleep Mode:** its Low-power Sleep Mode can quickly wake it up.
- **Electricity Consumption Monitoring:** it can monitor the real-time battery power, display the battery status and promptly remind users to charge.
- **Universal Adapter:** its universal adapter can be used in over 150 countries (US/EU/AU/UK, etc.)