SUNSON

Making Your Life Easier

Health Screening Kiosk

Product Introduction

Doc version: V.5

Health Screening Product Introduction

- Health Screening is one of SUNSON TECH's patent products in Medical industry, based on the reliable hardware, SUNSON developed its own software, includes the front end, data base and back end applications (phase II), which can offer the turnkey solution of primary health screening by increasing the availability and efficiency of basic health check-up functions, and also by providing a real time monitoring system where customers can keep track and got access for all their previous health records and got the ability to compare it VS the current results.

- This product is strictly produced under MDSAP quality management system and already got ETL 60601 certification

Health Screening Solution Features

Primary Health Check up

- Blood Pressure
- Body Height
- Body Weight
- Body Mass Index (BMI, generated by equation)
- Body Temperature
- Oxygen in blood (SPO2)

Advertisement Channel

- Using 22” LCD Screen
- Using) to update the advertisements conteRemote Content Management System (CMSnt (phase II)
- Able to play Pictures, Videos, or a mix of both.

Risk Control

- FDA Compliant Class II Medical Devices
- ETL60601 Certified
- MDSAP Certified.
- RoHs Compliant

Health Screening Product Advantages

Blood Pressure Measurements

Provide a self-service blood pressure Module, which can help customers to self-test their blood pressure level anytime and also compare it to their previous records.

Modular Design

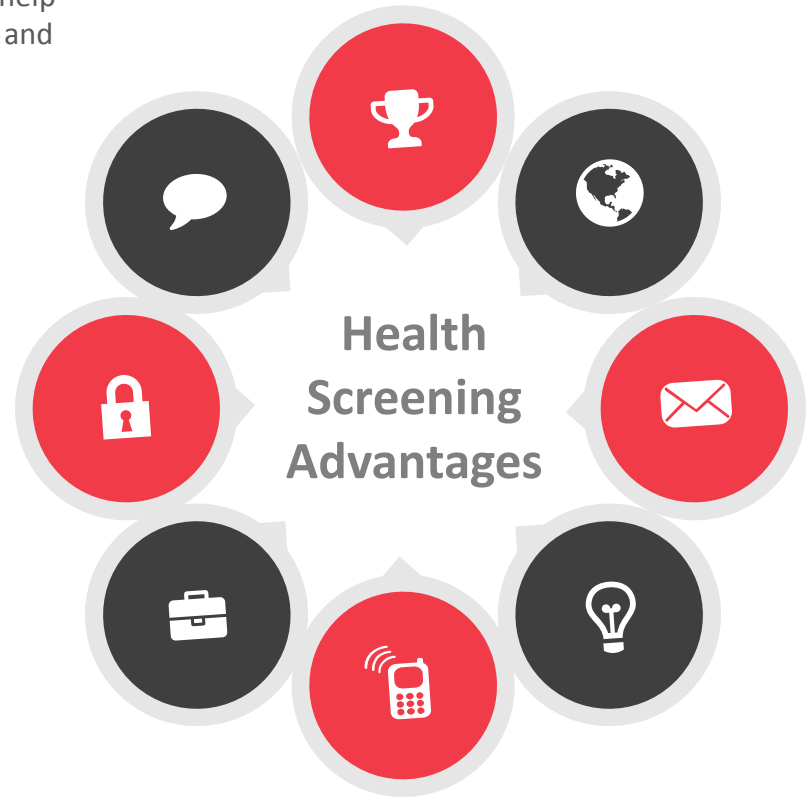
It's easy and convenient to maintatin, with extended functions including UPS power supply, Fingerprint for authentication and barcode scanner for Mobile payment.

Height & weight Measurements

Offer a self-service height measurements with a max height of 2.0M and weight Measurements with a max weight of 200KG

Safe and Reliable

With ETL60601, and IEC60601 Tests certifications our machines are totally safe to be used in public places.



Advertisement Channel

Based on 22” LCD Screen and remote Content Management system. SUNSON Health screening kiosk offer a great platform to push advertisements and promotions while customers getting their tests done. (phase II)

The current version supports local AD play only

Email the results

With the option to send the results by email, we are giving the end users the option to share their test results with doctors by email. (phase II)

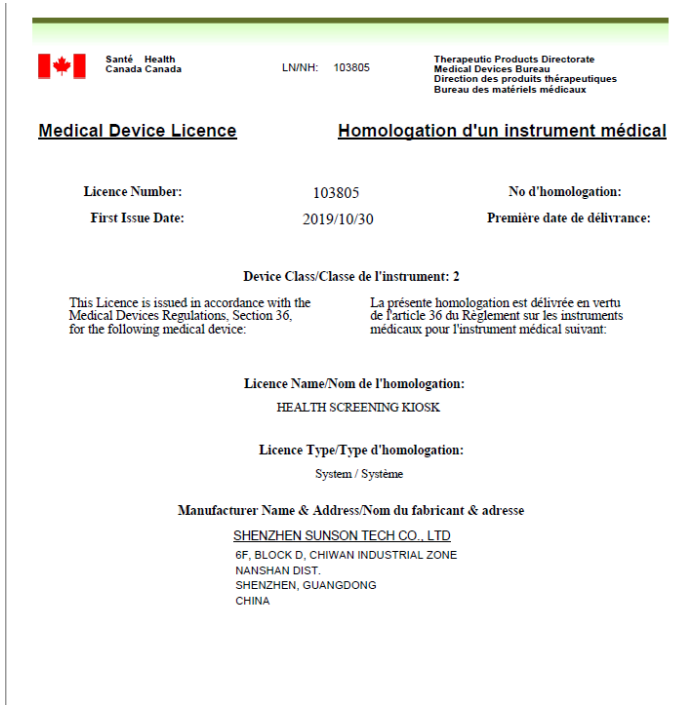
Flexible communication

Network cable, WIFI.

Note: phase II means available in the future.

SUNSON Tech Advantages

- Has both ISO9001:2015 and MDSAP （inclISO 13485） QUALITY MANAGEMENT SYSTEM
- Product passed Medical certification of ETL 60601
- Qualified Class II Medical device in Canada (Lisence No. 103805)



Health Screening Technical Specs

Technical specs	
Module Name	**Specs**
Industrial PC	Motherboard: W-MBT196, Processor J1900 (2M Cache,2 GHz); DDR3 4G RAM; 500GB HD; 2*RTL8111E LAN/6*COM / 1*DDR3L SODIMM/1*MINIPCIE 3G/1*MINI-SATA/1*SATA_HDD /1*VGA/1*HDMI/1*SIM/1*GPIO/1*LVDS/1*KB_MS2/7*USB, Integrated Net Card, SoundCard, Display Card With computer case and power supply
17" Touch Screen	Medical Class touch monitor, Active Area:378mm×303mm;Resolution:1280×1024@60Hz;Response Time(Typ.):5ms;Contrast Ratio(Typ.):1000:1;Video Input:Analog RGB;Signal Input:H/V Separate Sync. (TTL);Touch screen Type:17" IR touch sensor;Brightness(Typ.):225 cd/m2
21" LCD Advertisement Screen	Medical Class LCD monitor, Brightness: 350cd/m2; angle： horizontal 140° above, Vertical 125° above Contrast: 700:1; Backlight tube life： more than 40,000hoursOperating temperature:-20-50ºCResponse Time:16ms;Dot pitch: 0.297;Max. resolution: 1024×768
Blood Pressure Module	measure the Adult blood pressure and Pulse frequency within range of (0mmHg - 300mmHg) and resolution 1mmHg, Tolerance +- 3mmHg
SPO2	uses two frequencies of light (red and infrared) to determine the percentage (%) of hemoglobin in the blood that is saturated with oxygen.
Body Temprature	By using an Infrared body temperature sensor to measure the body temp ranging from 34 to 43 ºC
Height Messurement	Detecting Range By ultrasonic probe Imported from the US: 8cm-8m; Supply Voltage: 5V - 12V DC; Standby current: <15mA; Transient current: about 250mA; Resolution: 1mm; Interface Mode: PWM,UART, RS485; Ultrasonic Frequency: 50KHz; Detection Angle: 15 degrees (-6dB); Working Mode: Single echo mode and multi echo mode; Working Temperature: - 20° C to +75° C; PCB Size: Approx. 50 x 50mm;
Weight measusrement	By precise balance pressure sensor with a MAX weight of:200KG ; RS485 Port;Coin type digital transmitter
3in1 Bank Card Reader	EMV certificated manual insert type magnetic / IC card reader, RFID, USB port
80mm Thermal Printer	Thermal printer; Automatic paper cutter; RS-232; Paper in width: 80mm; Speed: 150/second; Invoice print, with black mark sensor
Speakers, Amplifier	one Speaker; amplified output; Multimedia speaker
Accessories	Bamboo Wooden Surface for Seat and cuff Surface.
	Movable Seat (ADA compliant)
	Movable and adjustable blood pressure handcuff
	Metal Clothes Hanger

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Deployment Locations

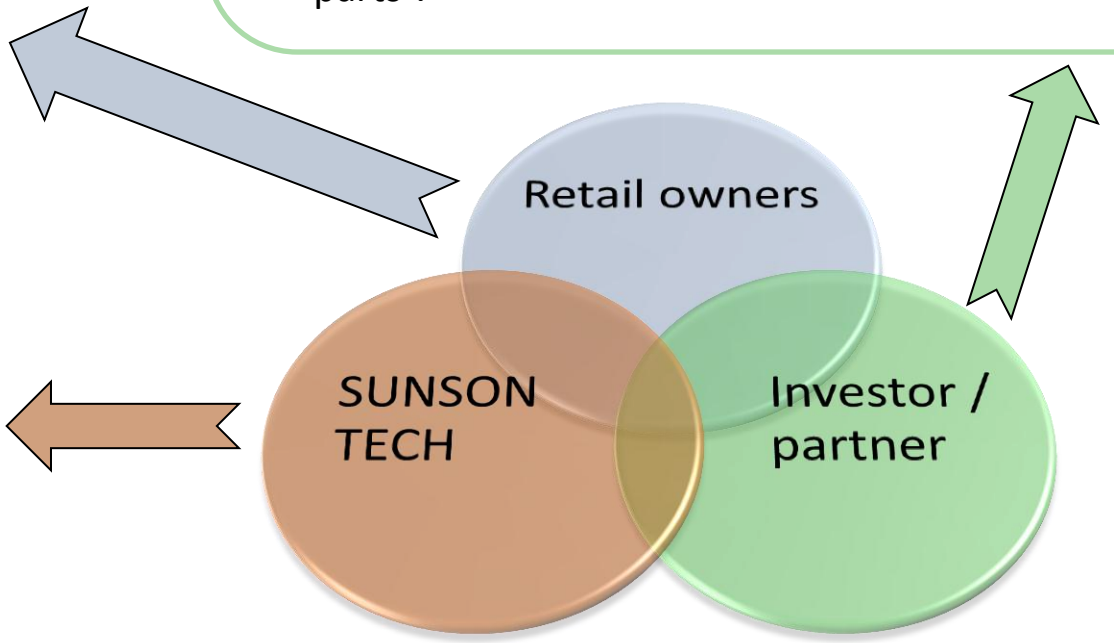
1. Pharmacies
2. Hospitals
3. Walmart’s
4. GYMs
5. Private clinics
6. Other places

Business Model and stackeholders

- Buy or rent sunson solution from investor or local partner to get benefits of using our "**Health Screening Solution"** and attract more customers by providing and additional free service.
- Making profit out of the advertisement that will be playing on the health screening kiosk all over the day or whenever there is a customer using the machine.

- **Buy** SUNSON Hardware and software solution and start **propose it for Retail owners, Hospitals, GYMs, and private clinics.** Depending on the investor Networks and connections, or by attending exhibitions, or advertisements.

- Allocate a **small team of technician** to provide first line of **after-sale support**. "change faulty hardware parts".



- Provide hardware equipment along with a full software solution to allow retailers:
    1. **Decrease** the overall **queuing time for the people waiting to get their basic health check-up results.**
    2. **Increase** the **efficiency and availability** of primary health screening
    3. Provide them with **real time monitoring solution** to check the old and previous health records and compare it with the current ones, share it by email with doctors for consultation. (phase II)
    4. Provide **technical training** for partners to be able of providing after-sale support
    5. Provide full **support on customizing and localizing the software** to meet each market requirements.

Health Screening Solution Benefits

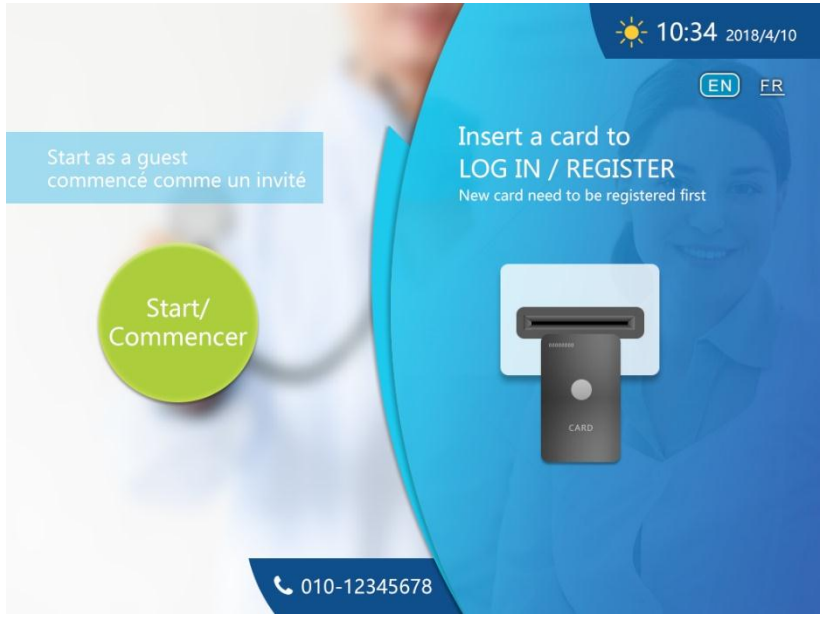
Investor / partner Benefits

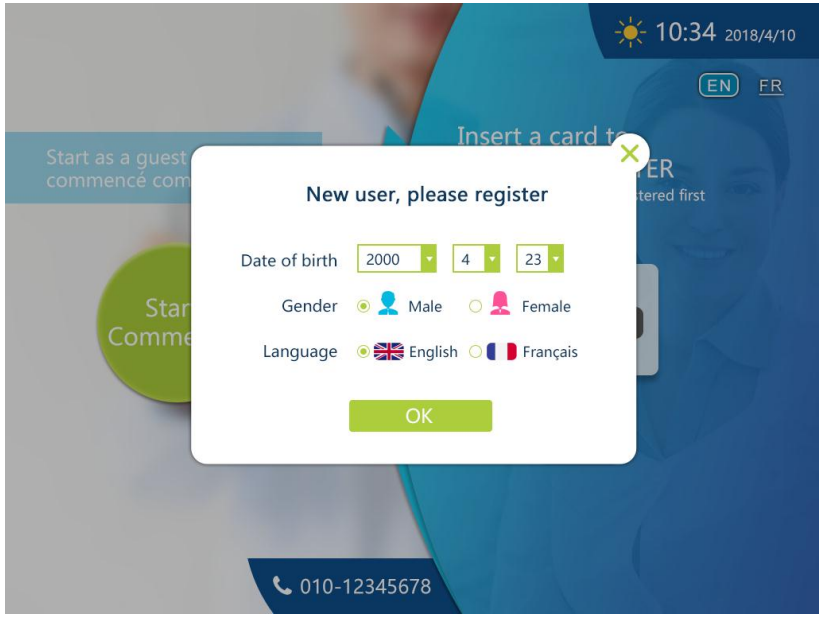
- **Get the profit from selling SUNSON Solution "Hardware and software" to retails owners.**
- **Get the profit from leasing SUNSON Solution "Hardware and software" to retails owners.**
- **Establish a new business that related to FIN-Tech industry.**

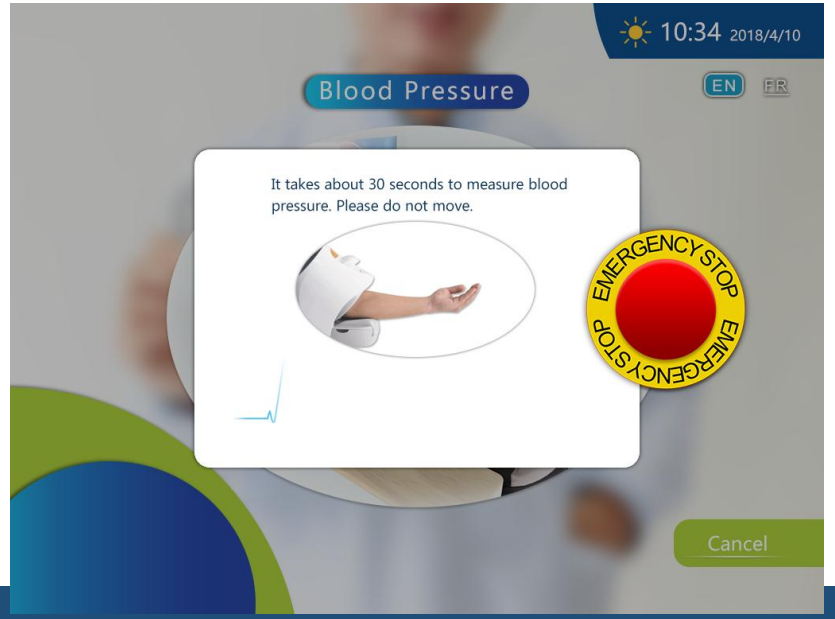
Retail owners Benefits

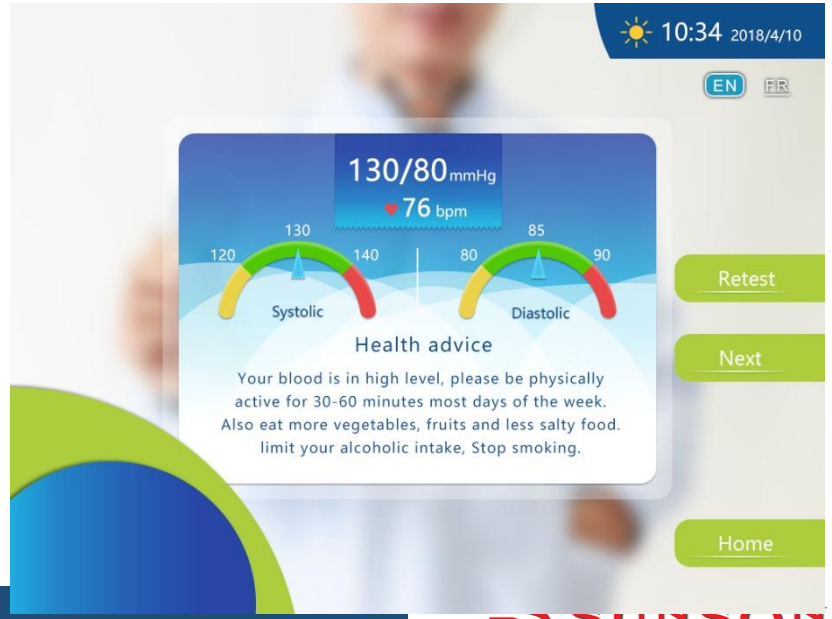
- **Increase brand awareness by providing a new solution for end-customer and take the market lead.**
- **Make profit**
  - by selling membership cards, so customer can use these cards on the health screening kiosk to store all their health records to get a list of all their health records.
  - By promoting relevant products on the advertisement screen while customers are using the machine.

Application Overview









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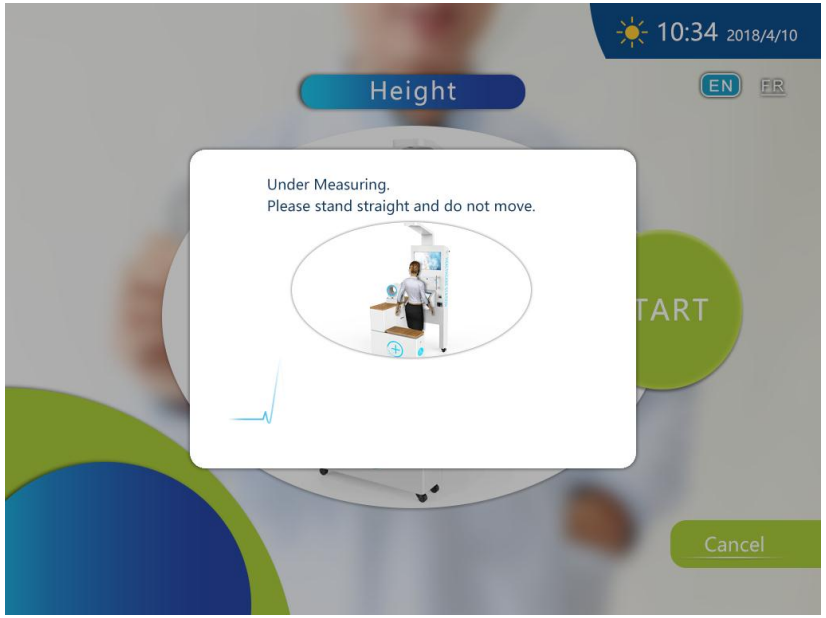

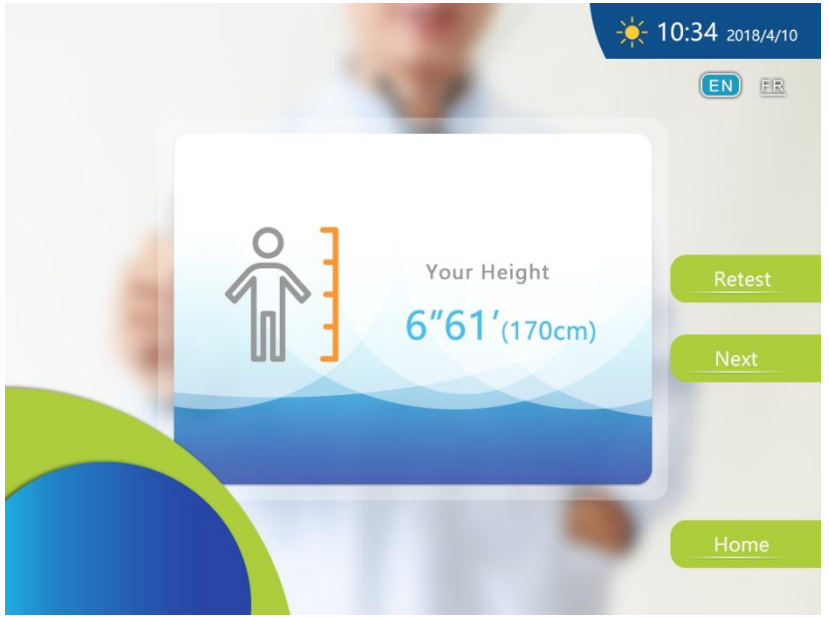

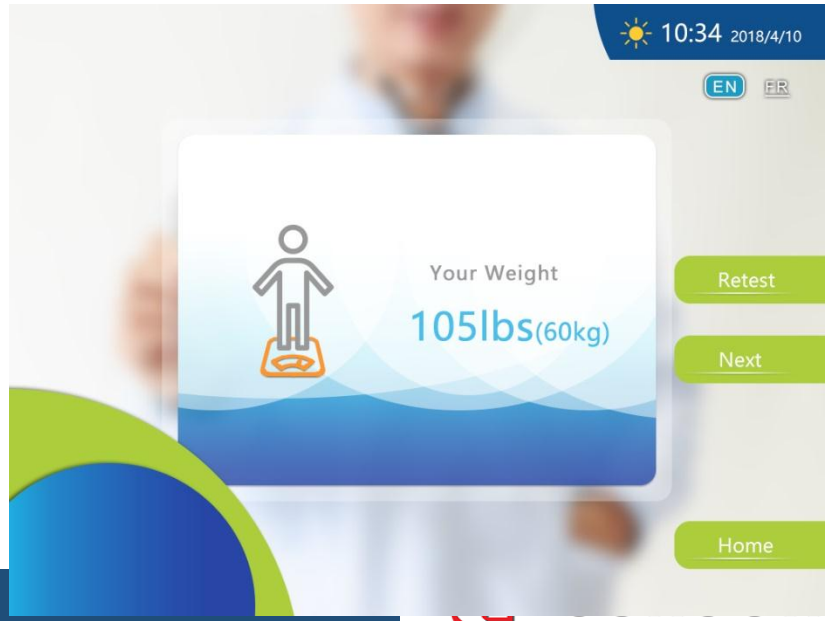

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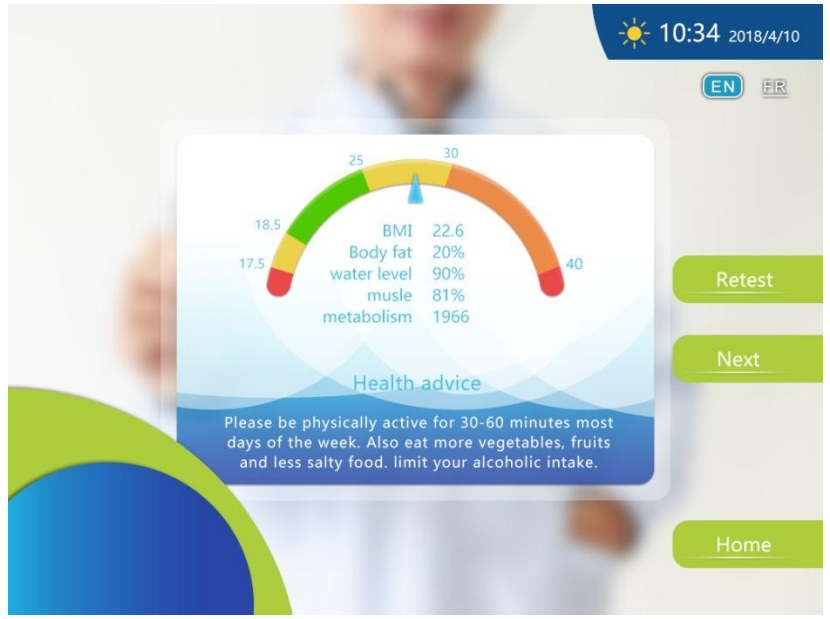

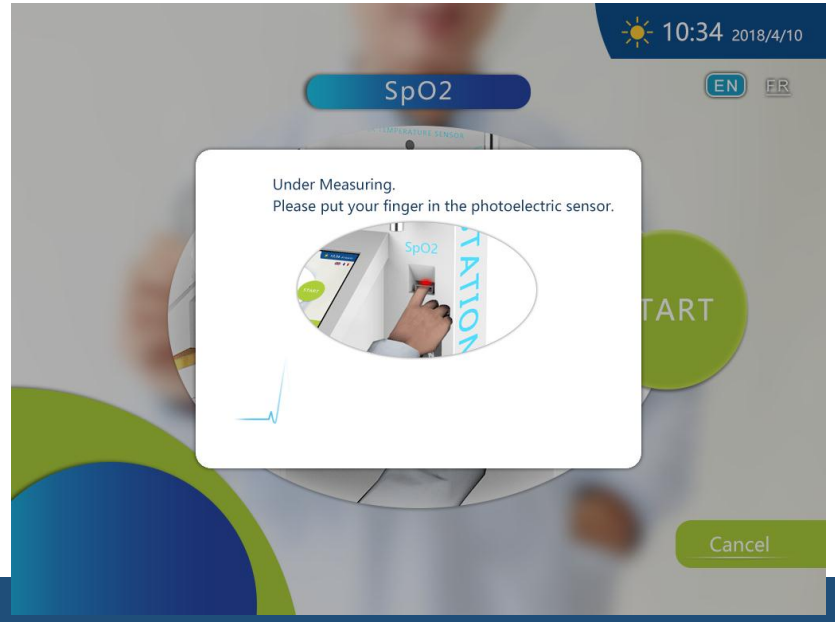

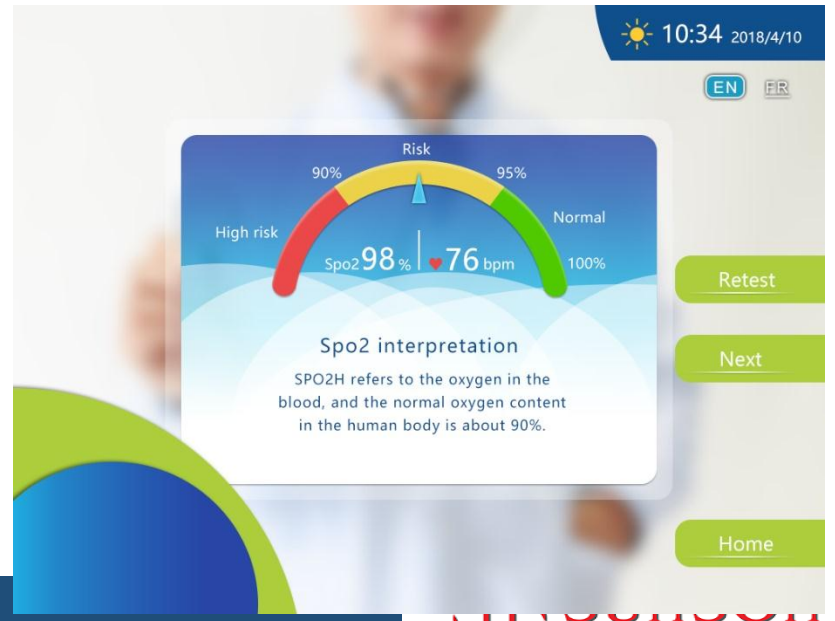

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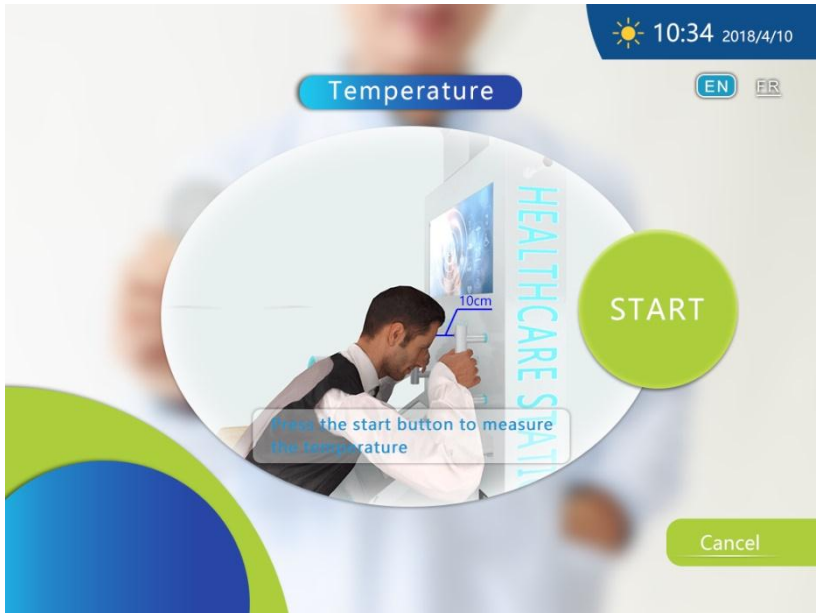

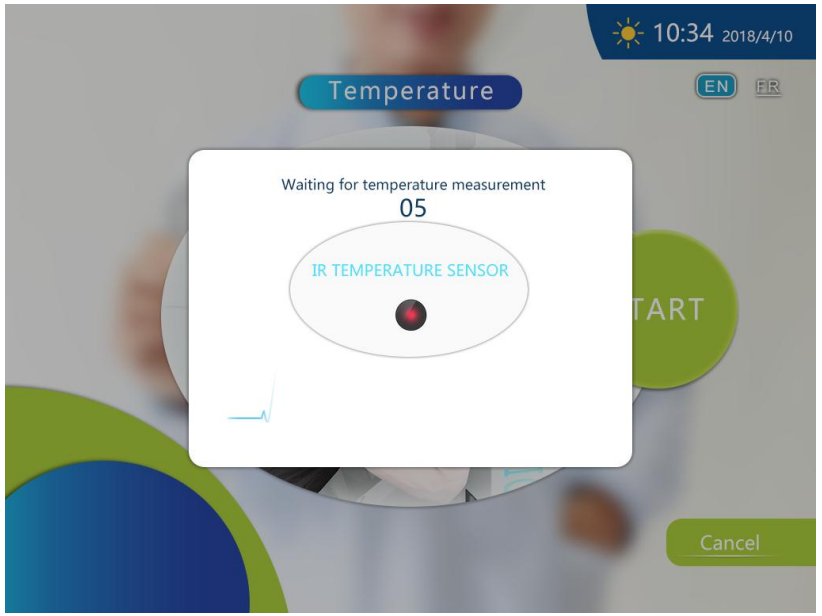

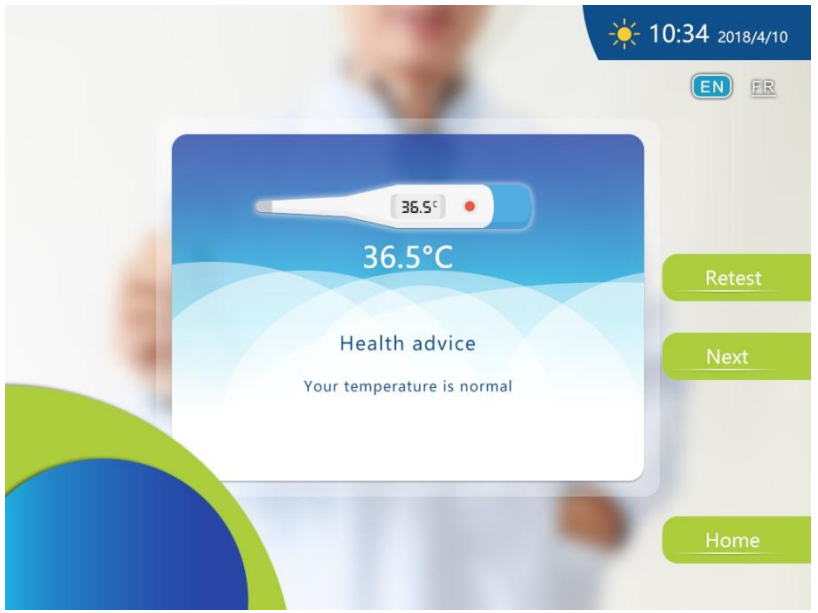

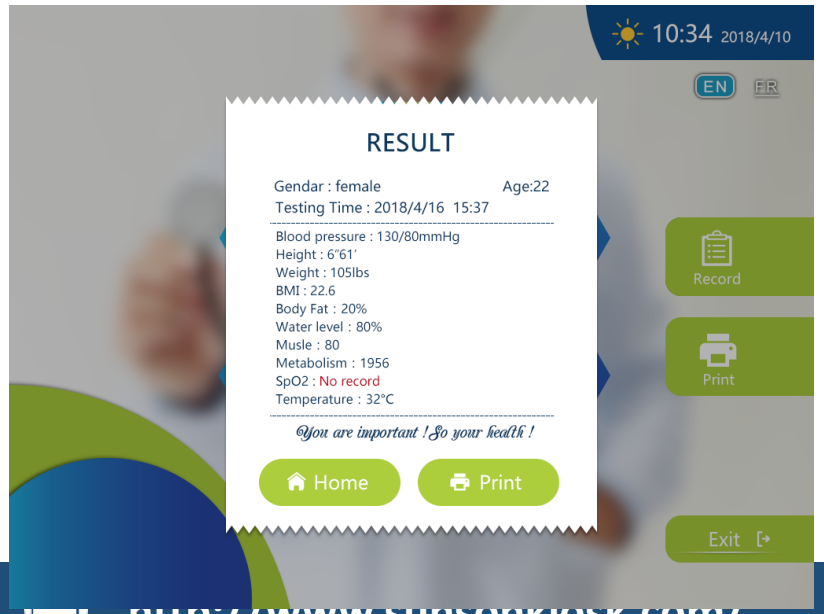

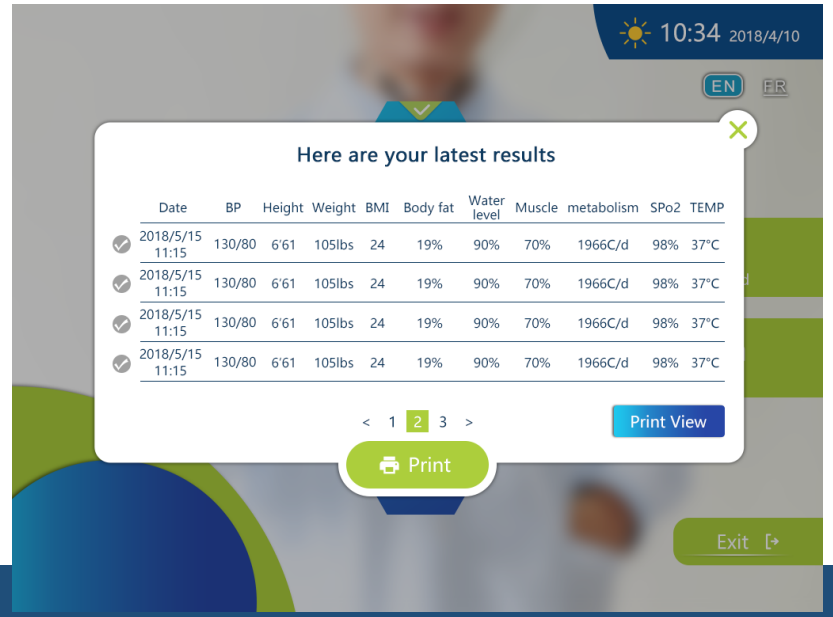

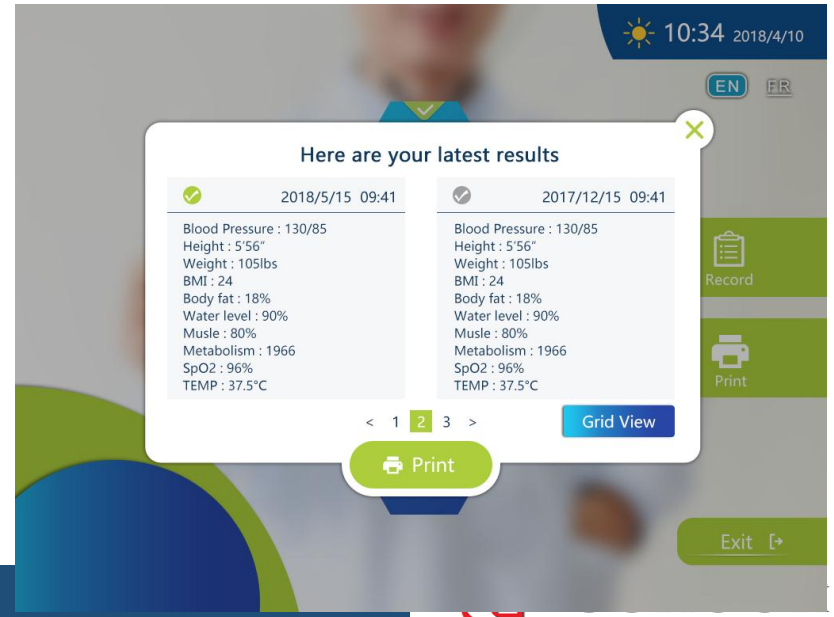

Contact Inf

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