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Guard Your Heart, Risk Apart



HeartPlus

AED (Automated External Defibrillator)



nanom
NANOOMTECH

Company introduction

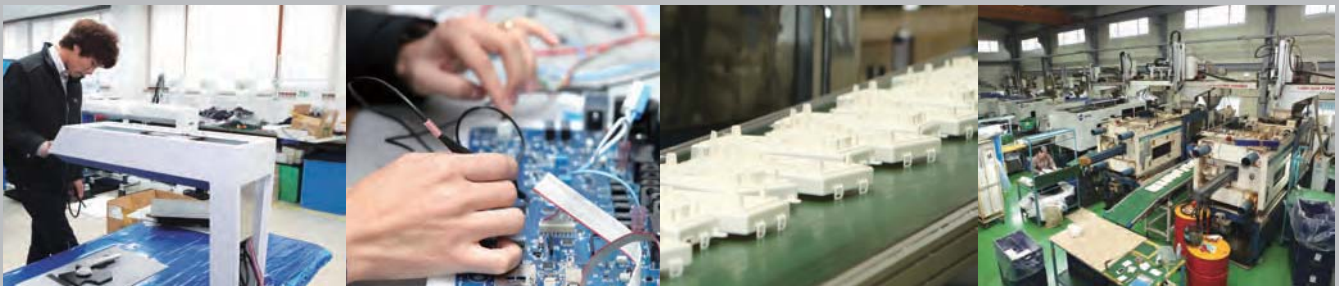
Our goal is to develop the best AED and become a leading and trustworthy medical device manufacturer in the world. We will accomplish this with an incessant focus on the quality and strong investment in the research and development.

The HeartPlus AED has been researched in conjunction with the Gwangju Institute of Science and Technology.

Nanoomtech is committed to develop this as a finest product.



Mission & Vision



Nanoomtech is a medical device manufacturer from South Korea established in 2005 to provide service to global medical community. Our dedication and commitment towards quality has driven us competent and well established in the national and international market.

We pride ourselves on our high quality products including the HeartPlus AED, Image Plus (a software system for endoscope imaging) and a GPA-1000 bone density diagnostic system which have a strong demand in market and has obtained impressive response in terms of customer satisfaction.



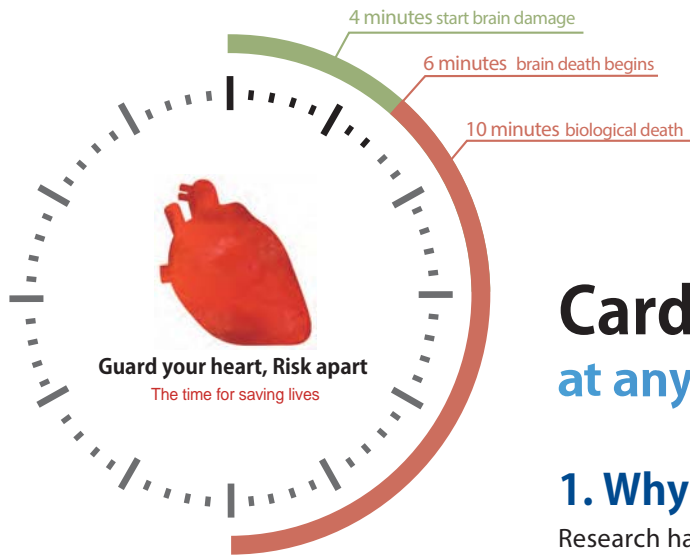
Overseas markets

40 countries agreement and export



History

- 2013. 03. • Certified by Salud Deape, Mexican
- 2012. 07. • Certified by TGA, Australia
- 2012. 01. • Development of U-healthcare AED functioned as patient monitor
- 2011. 02. • Registration as an Excellent Product in accordance with the Government Procurement Act.
- 2010. 11. • Selected as a Good Design Selection product of Industrial Design Promotion Act.
- 2010. 04. • Acquired KOTRA Seal of Excellence
- 2010. 03. • Filed two Korean Patents in AED Technologies (AED & electric-shock selection method using ECG analysis)
- 2010. 02. • Obtained ISO 13485 certification
- 2009. 11. • Obtained CE Mark
- 2009. 08. • Approved AED GMP
- 2009. 08. • Earned a public-procurement-service-designated item
- 2009. 04. • Designated as "INNO-BIZ"
- 2009. 02. • Approved ISO 9001:2008
- 2009. 02. • Registration research institute of company (KITANET)
- 2008. 11. • Constructed a new factory
- 2008. 04. • Entered into an MOU with Gwangju Institute of Science and Technology
- 2005. 08. • Establishment of the company
- 2005. 09. • Medical Device Sales Report (Gwangju)
- 2005. 11. • Develop the X-ray bone mineral density diagnostic
- 2006. 10. • X-ray bone density diagnostic Permit (KFDA)
- 2006. 10. • Medical Device Manufacturing Permit (KFDA)
- 2006. 12. • Recognized quality management standard for medical devices (KETI)
- 2007. 11. • Reproductive Sales, Communications Sales Report(Gwangju)



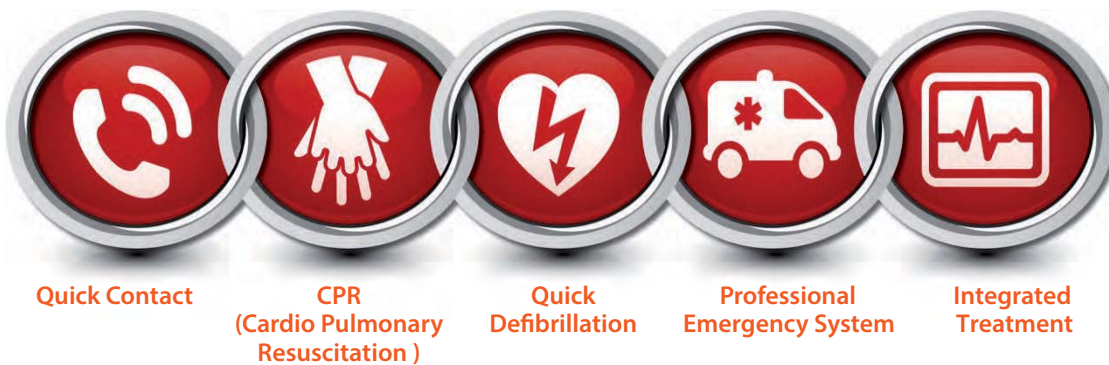
Cardiac arrest can happen at anytime, anyplace, to anyone

1. Why do we need AED?

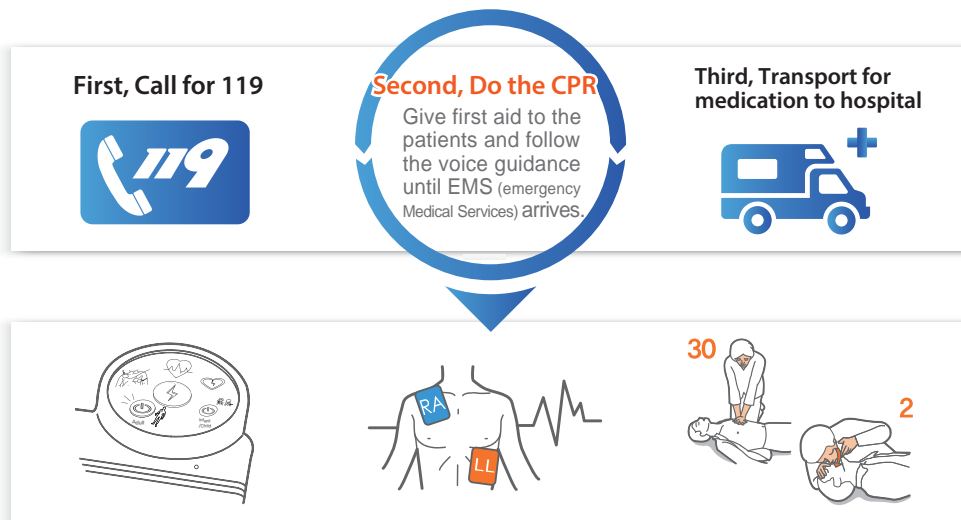
Research has shown that several thousands of people in the world suffer from cardiac arrest, among which 36% could not survive. Not all cardiac arrests can be resuscitated even with an AED and CPR but many victims can be saved with the use of an AED and a trained first responder performing CPR until the medical professionals arrive.

2. How to do Heartplus AED?

Chain of survival



Respond in the event of an emergency order



1. Press Adult or Infant/ Child power button.

2. Attach the pads as per the instruction, follow the voice prompts, deliver the electric shock.

3. CPR is performed. Perform chest compressions and ventilations at rate of 30:2

3. Where AED is to be installed?

Ideal locations for an AED

Sports Clubs / Schools / Public Buildings / Stadiums / Theatres /
 Medical Centres / Sports Centres / Fitness Centres / Swimming Pools
 Shopping Centres / Dental Surgeries / Entertainment /
 Venues / Pharmacies / Ships / Airplanes / Public
 Transport - trains, Trams and Buses and Stations/
 Police and Emergency Services ***and any other public areas**



4. Why is HeartPlus Automated external defibrillator?

- **The safety protection device**
 - If the electrodes is not attached firmly, the delivering an electric shock process is stopped.
 - If the shock button isn't pushed within 20 seconds after being ready for electric shock, the battery automatically discharge.
 - Overcharge prevention circuit of electric shock energy.
 - Dual electric shock waveform control circuit prevents malfunction of device.
- **HeartPlus AED a life-saving machine can be used safely and quickly in the case of an emergency**



Anyone can use by following voice prompts

Voice prompts are simple and easy to follow.



All-in-one cartridge.

Electrode pads and battery are connected together. It will save the time in emergency.



Automatically analyzing accurate ECG

After attaching the pads to the patient, ECG is analyzed. It delivers an electric shock, if needed.



Easy to check the status of device

We can check the status of device via status indicator, if some problem occurs.



Unipad for both adult and child

It is possible to use same electrode pads for adult and Infant/child.



5. HeartPlus

AED (Automated External Defibrillator)



Basic components

Body, Bag, Towel, Manual, Cartridges (Battery + Adults / infants Public Pad)



Button controller

Real-time LED status light

Specification

Defibrillator	<ul style="list-style-type: none"> - Applied technology : Biphasic Waveform (BTE Type) - Output energy : 180 Joules into a 50-ohm load for adults 50 Joules into a 50-ohm load for infants - Mode : AED allowing for ventricular fibrillation analysis - Infant mode change method : press Infant Mode button
Cartridge	<ul style="list-style-type: none"> - Components : Disposable electrode(pad for both adults and infants), battery - Size : 150(W) × 110(L) × 33(H)mm - Warranty : 2 years
Battery	<ul style="list-style-type: none"> - Type : Non-rechargeable Lithium 1st battery - Voltage : 21Volt DC 1.4Ah – to recharge the electric shock energy 9Volt DC – for internal circuit operation
Alarm and voice instruction	<ul style="list-style-type: none"> - Voice instruction on how to use the equipment available. - Detail voice instruction on electric shock and CPR - Voice alert of self-diagnosis result and auto storage of the result
management	<ul style="list-style-type: none"> - Stored data : ECG, frequency of electric shock, ambient sounds are recorded, self-diagnosis time and result , date of use - Time of storage : 5 sec intervals, 1000 (ECG), 15 minutes (ambient sounds), 3000 self-diagnosis results - Data communication : select from bluetooth (wireless) or USB (wired) - Data storage method : internal memory



Push open

If you press Push Button, Cover opens automatically and you can use internal pad



USB

USB cable connection to the PC

6. AED Trainer



○ HeartPlus AED Trainer

- Voice prompt and sequence
- Offer the 17 scenarios for providing convenience
- Voice and LED prompts
- Multiple devices can be controlled from one remote control
- Low maintenance
- Replaceable training pads
- Korea TTA standard mobile phone charger(24pins) is recommended for charging



○ Easy to use educational remote control

- Play /pause function
- New scenario is available when requested to the training case.
- A remote control can control several trainers within 10m and max 99 units.
- Remote control can turn ON/OFF AED Trainer.

HeartPlus AED Trainer





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