

安保科技

Ambulanc (Shenzhen) Tech. Co., Ltd

急救与生命支持综合解决方案

Comprehensive Solutions for First Aid and Life Support

CONTECTS

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- | Company History
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- | Comprehensive Emergency Solution
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- | Breathing | Defibrillator
- | Nitrous Oxide Sedation | Other

03

Strategy Corporation

- | Chinese Partners
- | International Partners
- | Cases inside and outside the hospital

04

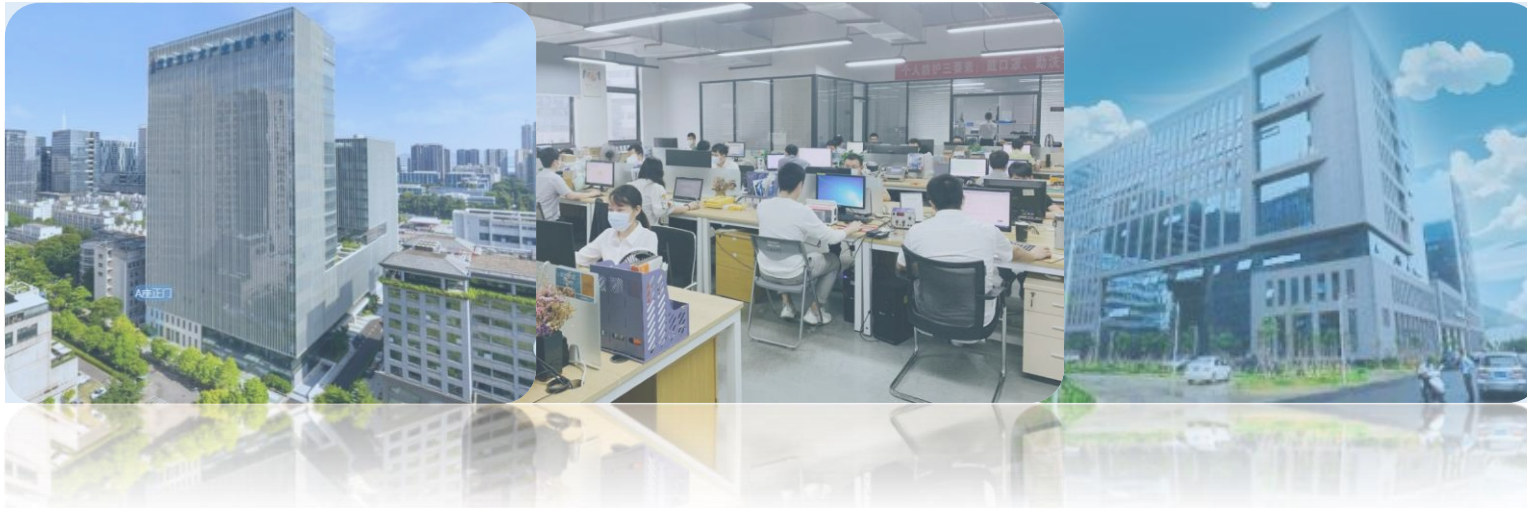
Social Responsibility

- | Charity & Donation
- | Charity First Aid Training Course
- | Fight Against COVID-19

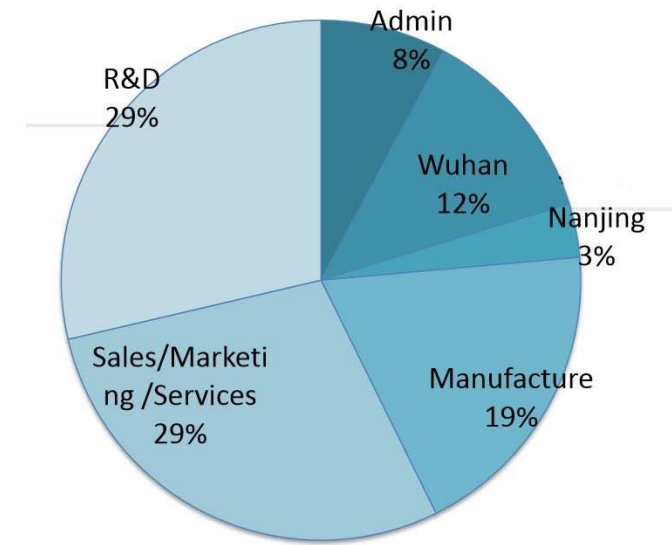


Company Introduction

- **Founded in 2001, Ambulanc is a national high-tech enterprise, dedicated to providing comprehensive emergency and life support solutions to the customers worldwide.**
- **Over 12,500 customers, export to more than 100 countries and regions.**



Employees Distribution



- **Over 300 Employees, including over 100 R&D engineers**
- **Invest 15% of benefits in R&D annually**
- **3 R&D Centres**

Cooperation Culture Concept

MISSION

- We are an international medical technology company, focusing on the development in **Breathing, Emergency, ICU and Sedation** devices.

VISION

- Free Breathing Everyday

VALUES

- Enthusiasm ▪ Integrity ▪ Innovation ▪ Respect ▪ Dedication

History

2001

- Company Founded
- Exclusive distributor for GM & Ford ambulances

2004

- Founded the R&D Department
- Launched China's **first** Inhalation Nitrous Oxide Sedation System

2007

- Became Shenzhen High-Tech Enterprise

2008

- Developed China's **first** intelligent Emergency & Transport Ventilator
- Invest over **10 Million** in developing Ventilator annually

2011

- Became **National High-Tech Enterprise**

History

2013

- Launched nCPAP machine
- Became National brand Enterprise

2015

- Became the **Emergency & Life Support Medical Device Engineering Technology Research Centre**

2016

- Launched New-generation T-series Ventilator

2017

- Launched AED i3 & i5

2018

- Guangdong Science & Technology Progress Award
- China Red Star Design Award

2019

- Automatic CPR E3 & E6

2020

- Launched Brandnew Turbine ICU&Transport Ventilator T6

Certificates & Intellectual Properties



- More than **200** Patents
- Over **50** Domestic Innovative Patents & International PCT
- Over **40** Software Copyrights

Certificates & Intellectual Properties

- **13 Class II and Class III NMPA** medical device registration licenses, including more than 20 products, such as Multi-Function Ventilators, Automatic CPR, AED, Electric Suction Unit and so on.

- **EU CE Certification, US FDA Certification, Canadian MDL Certification and AU TGA Certification**

ЦЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT



EC Certificate

Full Quality Assurance System
 Directive 93/42/EEC on Medical Devices (MDD), Annex II excluding (4)
 (Devices in Class IIa, IIb or III)

No. G1 054954 0012 Rev. 03

Manufacturer:

AMBULANC (SHENZHEN) TECH. CO., LTD.

3rd Floor, Block C, Building #5
 Skyworth Innovation Industry Park
 Tang Tou 1st Road, Shiyao, Baoan District
 518108 Shenzhen
 PEOPLE'S REPUBLIC OF CHINA

Product Category(ies):

Emergency Ventilator, Transport Ventilator, Ultrasonic Doppler Fetal Monitor, Demand Valve Resuscitator, Inhalation Antalgic Equipment (Sedation System), Nasal Continuous Positive Airway Pressure System, Suction Unit, Emergency Resuscitator, Blender.



COVID-19 Medical Device Authorization for Importation or Sale



Australian Government

**Department of Health
 Therapeutic Goods Administration**



Submission Number: EUA200291

Received: 4/3/2020

Applicant: Ambulanc Tech - Ambulance (Shenzhen) Tech, Co., Ltd

Device: Ventilator, Model 6000S, T5, T7

Honors



中国设计红星奖
CHINA RED STAR DESIGN AWARD

以下产品荣获 2018 中国设计红星奖
The "Excellent Prize of 2018 China Red Star Design Award"
is presented to:

心肺复苏机
Cardiopulmonary Resuscitator

深圳市安保科技有限公司
Ambulanc(shenzhen)Tech.Co.,Ltd
设计: 梁登云, 王双卫
DESIGN: Dengyun Liang, Shuangwei Wang

2018 年 12 月 9 日
9th December 2018

中国设计红星奖委员会
China Red Star Design Award Committee



**Emergency & Life Support Medical Device
Engineering Technology Research Centre**
▪ Nanshan District ▪ Shenzhen City ▪ Guangdong Province

Amoul Comprehensive Emergency Solution



Emergency Device

- Compression
Automated CPR Machines / Devices
- Airway
Suction Unit, Laryngoscope
- Breathing
Ventilator, DVR
- Defibrillation
AED, Defibrillator monitor



Emergency Informatization

- Information sharing
- Remote monitoring systems
- Out-of-hospital & In-hospital command and dispatch systems
- 5G emergency equipment



Training Equipment

- Amoul man CPR Training Manikin
- AED Trainer



First Aid Training

- Cooperated with ERC in 2015
- First Aid Training Courses

Amoul Comprehensive Emergency Solution

Four-in-one to Five-in-one

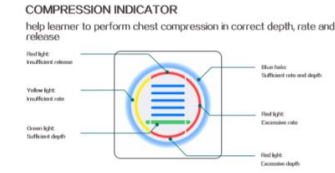
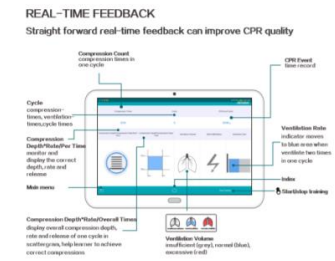
01

Emergency Device



02

Emergency Information



03

Training Equipment



04

Emergency Training



欧洲复苏委员会 (ERC)
生命支持课程实训基地

05

Transport Service



Product Introduction

CPR is as easy as

C-A-B-D



Compressions

Push hard and fast on the center of the victim's chest



Airway

Tilt the victim's head back and lift the chin to open the airway



Breathing

Give mouth-to-mouth rescue breaths



Defibrillation

Administering a controlled electric shock in order to allow restoration of the normal rhythm.

01

Compressions

Compression



Cardio Pump

- Silastic material for varied chest;
- Curved handle for easy operation;
- Built-in pressure gauge to monitor depth;
- Optional metronome with heart rate 100/min.

Compression



CPR E3

- Combine CPR and Ventilator as One
- All-around 3-D Compression High Quality and Low Harm
- Five modes including Continuous Compression, Interrupted Compression (15:2 & 30:2)
- Continuously Adjustable Compression Depth (0-6cm)
- Continuously Adjustable Tidal Volume (0-1500ml), High Precision, Closed-loop Monitoring with Low Risk
- CPR Quality Monitor, Visualized CPR
- Portable and Quick Install

Compression



CPR E6 with monitor

- Compression depth adjustable;
- Simple operation, auto positioning, one-key set up 15:2 or 30:2 compression;
- 3.5 inches color touch screen, two durable batteries working up to 90 minutes;
- EtCO2 module for monitoring the patient carbon dioxide concentration;
- Can work simultaneously with ventilators.

02

Airway

Airway



Electric Suction Unit

- Airway Clearance
- High vacuum, high flow and low noise
- Continuous negative pressure regulation
- Oil-free diaphragm, pressure gauge display
- Instantaneous suction speed 20L/min

Airway



Laryngoscope

- Anti-Fog Lens, Anti-Microbial Handle
- The 3.5 inch anti-reflective display with full view and 2Million Pixels Resolution
- By passing through waterproof grade IPX8 testing, it can be use deep water immersion disinfection
- Rechargeable lithium battery, 200 minutes on a single charge
- 1000 times use 316 Medical stainless reusable blades.

03

Breathing

Breathing



6000E

- Pneumatic Power&Control;
- Light-weighted $\leq 300g$;
- Single-hand operation;
- FiO₂ 100% and 50% available;
- Adjustable tidal volume and frequency;
- Decompression valve for over-pressure relief;
- Optional suction and oxygen inhalation.

Breathing



AII6000A

- Pneumatic power Electric Control;
- Light-weighted;
- One-key setup;
- Color-coded for different age;
- Smart voice guide and alarm system;
- Continuously adjustable MV and Freq;
- IPPV, Demandflow and optional Manual mode (AII6000M);
- Invasive or non-invasive ventilation;
- 12 hours working time rechargeable battery;
- EN1789 certified.

Breathing



6000S

- Light-weighted;
- TFT display of airway pressure and ventilation mode
- Air mixing function;
- IPPV, ASSIST, CPR and mode;
- Smart voice guide and alarm system;
- Independent setting for MV, Freq and Max Pressure;
- 6 hours working time rechargeable battery with car charger;
- EN1789 certified;

Breathing



6000B

- Designed to transport patient between hospitals and inner hospital;
- 5.7 inch TFT color display;
- Smart voice-guided direction;
- 5 Ventilation modes. IPPV, A/C, SIGH, SIMV and SPONT;
- Tidal Volume range: 50-1500ml;
- Portable and easy operation;
- 12 hours working time rechargeable battery with car charger;
- CO2 option.

Breathing



Amoul® T5



T5

- 9 ventilation modes: IPPV, V-AC, V-SIMV, P-AC, P-SIMV, CPAP, PCV, Manual, CPR;
- TV range: 50-2500ml;
- Weight only 3.4kg;
- 7" color touch screen with lock;
- Airway pressure and EtCO₂ real-time waveforms;
- Smart CPR mode according to AHA guideline;
- Internal PEEP valve;
- 40% or 100% for FiO₂;
- Rechargeable Li-ion battery with 5 hours working time;
- Optional Mainstream EtCO₂;
- Audible and visual alarm
- EN1789 certified.

Breathing



T7

- 7" color touch screen with lock
- Real-time display of 4 waveforms and 3 loops
- Tidal Volume range: 20-2500ml, I:E ratio 1:59 to 99:1
- 16 ventilation modes: V-AC, V-SIMV, PRVC, PRVC+, P-AC, P-SIMV, PCV, CPAP, CPAP+, BiPPV, BiPPV+, APRV, APRV+, CPR mode, RSA
- O2 concentration 40%~100%
- Internal PEEP valve
- Audible and visual alarm
- Optional Mainstream EtCO2 with Respironics technology
- Rechargeable Li-ion battery with 5 hours working time

Control Parameters	Items	Model	
		T5	T7
Respiratory Frequency	Adjusting Range	0 ~ 120bpm	
Inspiration/Expiration Ratio		9:1 ~ 1:9	59:1 ~ 1:99
Tidal Volume		50 ~ 2500mL	20 ~ 2500mL
Oxygen Concentration		40%,100%	
Suction Pressure		5 ~ 60cmH2O	3 ~ 60cmH2O
Limited Airway Pressure		15 ~ 70cmH2O	
Trigger Pressure		-20 ~ 20cmH2O	
CPAP/PEEP		0 ~ 30cmH2O	
Pressure Support		0 ~ 35cmH2O	
Trigger Flow			1L/min ~ 15L/min
Pause Time Ratio		0 ~ 80%	
Pressure Increase Time		Slow/Normal/Fast	0.1 ~ 2s
Expiration Trigger Sensitivity		/	5 ~ 80%
Oxygen Inhalation Flow Rate		/	2 ~ 30L/min

Breathing



T6

- Brandnew Turbine-driven Ventilator ;
- Apply to Intensive Care, Transport, Emergency;
- Minimum tidal volume of 2ml, suitable for neonatal, pediatric, adult patient;
- Suction Pressure maximum 90cmH₂O;
- IPPV、V-A/C、V-SIMV、PCV、P-A/C、P-SIMV、PRVC、PRVC-SIMV、APRV、BiPPV、CPAP/PSV、HFNC;
- Less than 6.5kg, easy to carry;
- 10.4"color touch screen;
- Other Function: CPR, Sigh, Nebulization, Intelligent Suction, Leak Compensation, TRC, Tendency, , Ring diagram display

04

DEFIBRILLATOR



Automatic External Defibrillator



AED- i3



AED- i5
(touch screen)

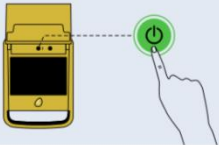


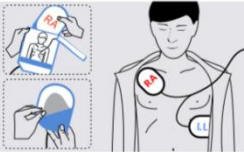
AED


Biphasic Truncated Exponential Shock Waveform

- High capacity and long-life lithium manganese dioxide battery, minimum 200 shocks, 5 years valid
- Visualized status of battery and system
- Detailed voice instructions and picture guidance
- Data storage of 24 hrs ECG and up to 1000 events
- Applicable to adults (200J) and children (50J)
- Daily self-test, report devices status in time

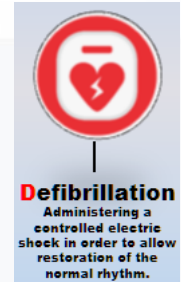
AED Trainer

- 

1 Press power switch
- 

2 Open the package and attach electrodes
- 

3 Follow the voice instruction and press "SHOCK" button



AED Trainer

- Instruction language:16 languages integrated, can customize any languages
- Scenario simulation:real AED size, simulate different scenarios,remote controlled switch (Shock Canceled,Check Electrodes,Analysis Interrupted,Battery Low,Service Required,Scenario Shift Key)
- Clear guidance pictures
- Can automatically identify ECG and arrhythmia
- LED indicator to show current scenario mode
- Bluetooth connection with manikins,combine AED and CPR training

05

Nitrous Oxide Sedation Device

Nitrous Oxide Sedation System



AII5000E

- Small and light;
- Pure pneumatic device;
- Respective flow meter for O₂&N₂O;
- Easy operation with control knob;
- Max 70% for N₂O to ensure safety;
- Oxygen flush button for quick recovery;
- Fail-safe system and T valve in case of no O₂;

Nitrous Oxide Sedation System



AII5000B/F

- Pneumatic device with no electricity;
- Adjustable N₂O ratio: 0-70%;
- Equipped with demand valve for inhalation;
- Pressure gauge for input and output gas;
- Fail-safe system to turn off the machine once gas run out;
- Audio alarm system;

Nitrous Oxide Sedation System



AII5000C

- Easy operation with control knob;
- Respective flow meter for O₂&N₂O;
- Pneumatic device with no electricity;
- Pressure gauge to monitor real-time pressure;
- Max 70% for N₂O to ensure safety;
- Oxygen flush button for quick recovery;
- Fail-safe system and T valve in case of no O₂;
- Optional DVR for emergency O₂ supply;
- Alarm system;

Nitrous Oxide Sedation System



AII5000DS

- 3.7" TFT color screen;
- One key set-up for child and adult;
- Real-time display of flow and concentration;
- Max 70% for N2O to ensure safety;
- Oxygen flush button for quick recovery;
- Safety valve will open in case of no O2;
- Rechargeable battery with 4 hours working time;
- Audio and visual alarm system;

06

Nasal Continuous Positive Airway Pressure(NCPAP)

NCPAP



68B

(mechanical flowmeter)

- FiO₂ adjustable from 21% to 100%;
- Flow volume adjustable from 1LPM to 10LMP;
- Real-time display for FiO₂ with screen;
- Real-time display for airway pressure;
- One key quick set up for alarm limit;
- Rechargeable battery with 4 hours of working time;
- Audio and visual alarm system;

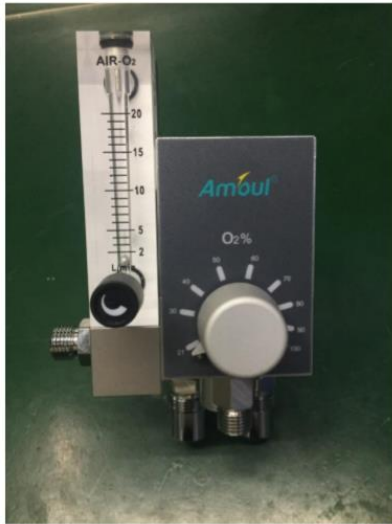
NCPAP



68C
(electronic flowmeter)

- FiO₂ adjustable from 21% to 100%;
- Flow volume adjustable from 1LPM to 20LMP;
- Real-time display for FiO₂ with screen;
- Real-time display for airway pressure;
- One key quick set up for alarm limit;
- Rechargeable battery with 6 hours of working time;
- Audio and visual alarm system;
- Integrated CPAP generator, no need for bubble bottle;
- Two modes: CPAP & HFNC;
- Electromagnetic valve for precise controlling;
- 4.7 inches antiglare TFT color screen;

NCPAP



Blender 689B
(single flowmeter)



Blender 689B
(dual flowmeter)

- Compact, small and light
- Easy operation with control knob;
- One-piece module for precise control;
- FiO2 adjustable from 21% to 100%;
- Flow volume adjustable from 0 to 20 LPM;
- Whistle alarm system;

Other Products



Vein Finder



Rescue Bag



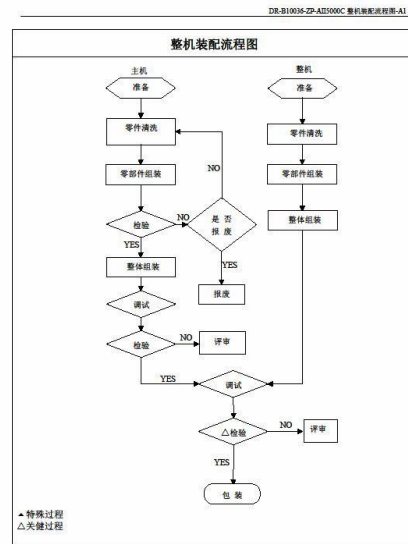
Demand Valve Resuscitator



CPR training manikin

Quality Management System

Quality Management



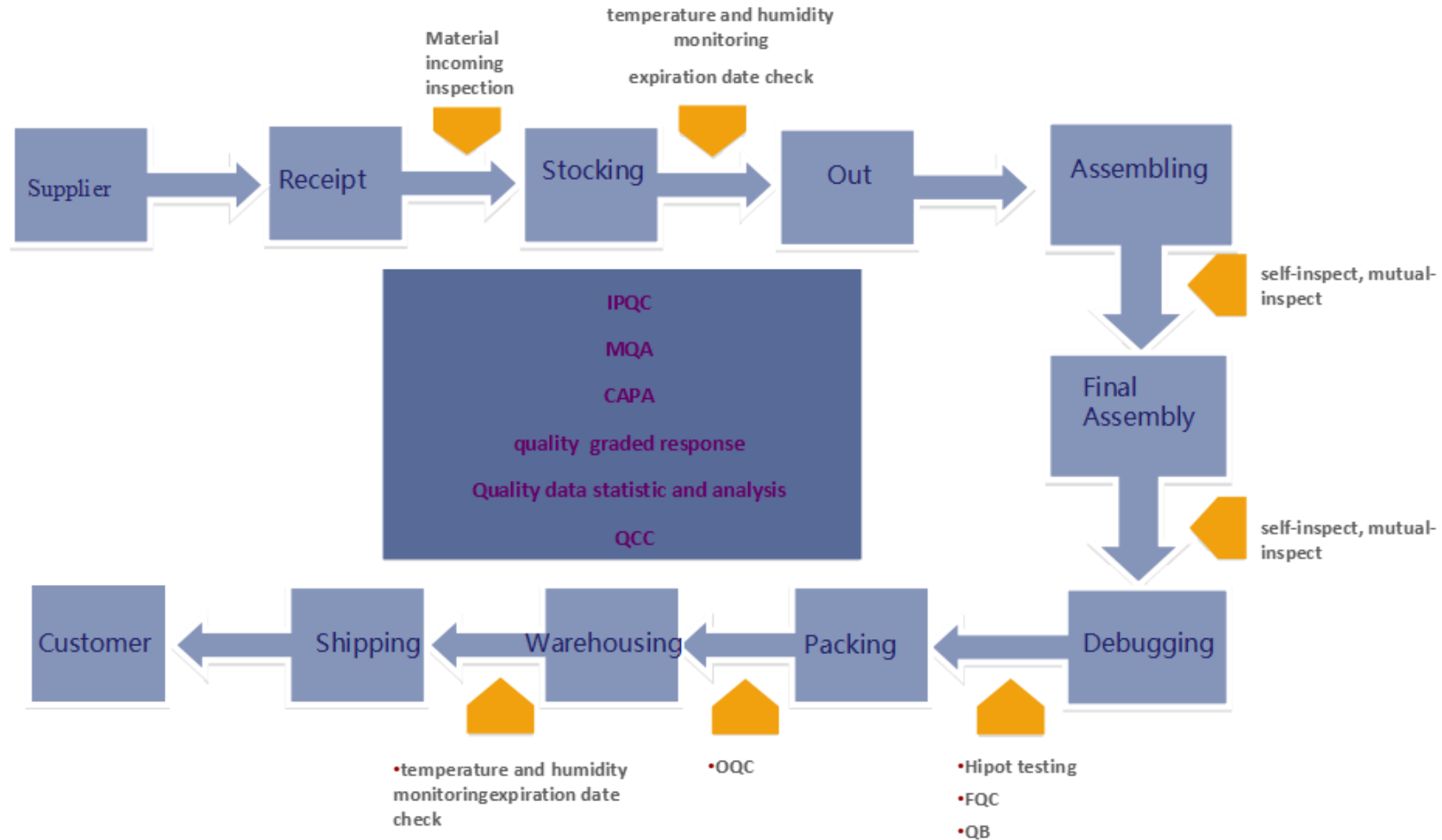
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ISO13485 System

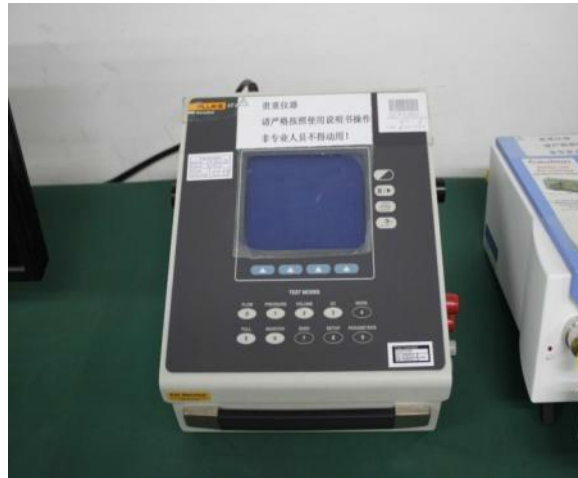


CNC Center

Quality Management

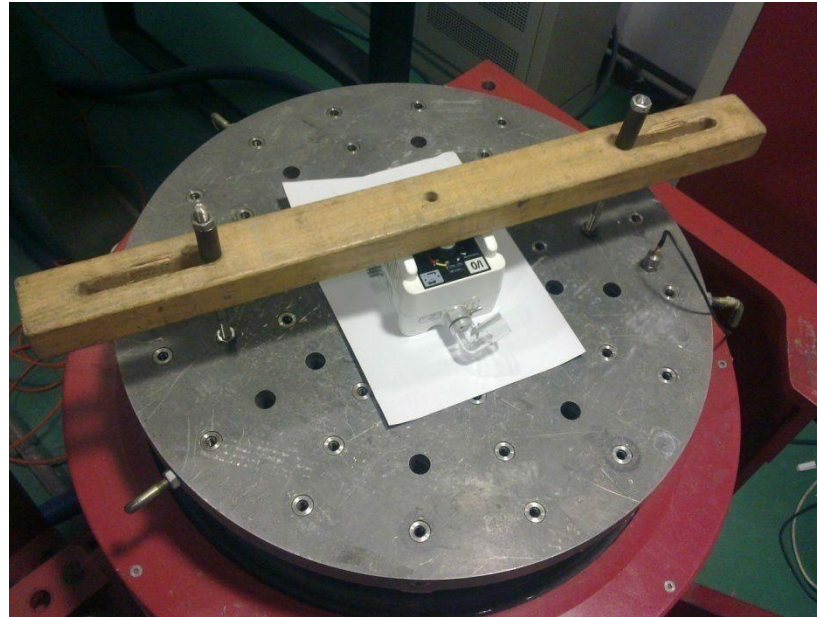
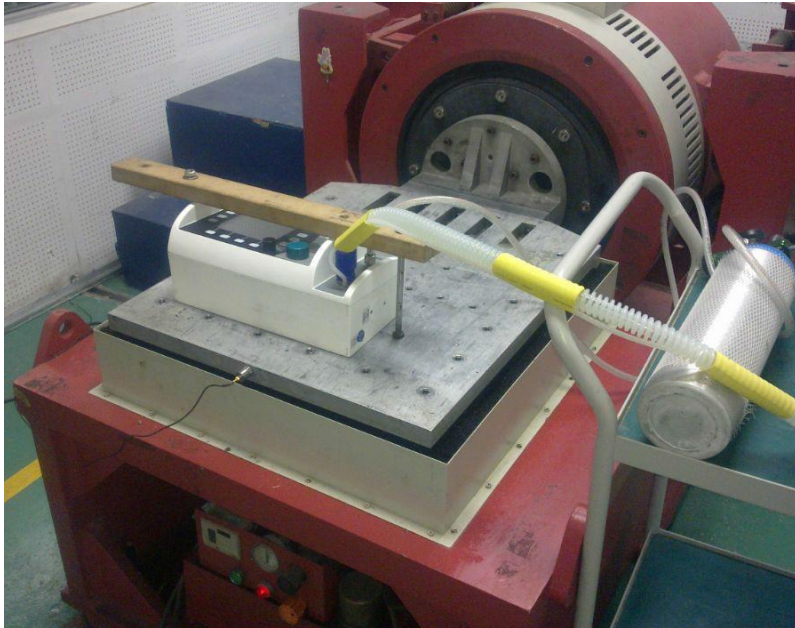


Testing Machine

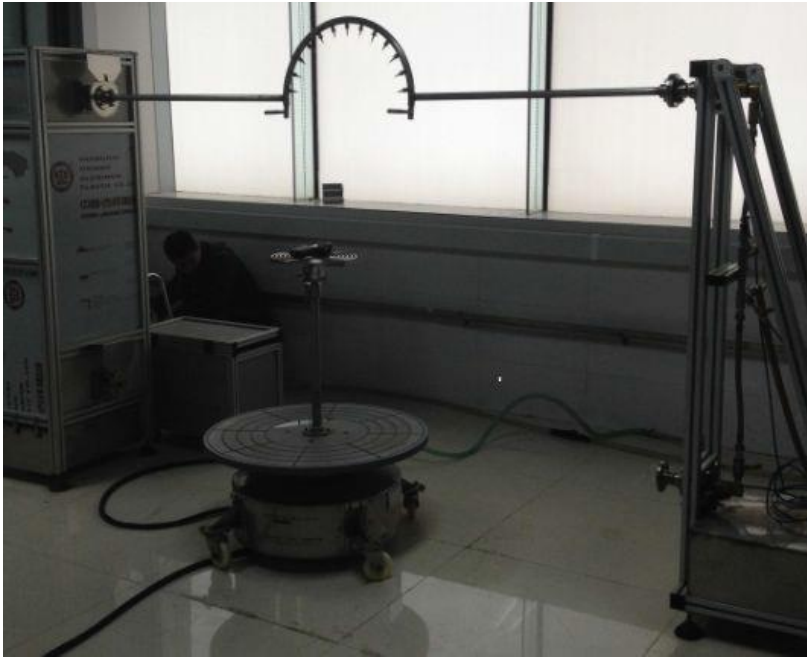


Testing Room

EN1789 Test



Testing Room



Water-proof Test



Temperature Test

Strategic Cooperation

Corporations



**Peking Union
Medical College
Hospital**



Fu Wai Hospital



**Wuhan University
school of medicine
Hospital**



**Zhongshan School of
Medicine Hospital**

West China Hospital



**Fourth Military
Medical University
Hospital**



**Shandong university
Hospital**



**Harbin Medical
University Hospital**



The Biggest Device & Technique Supplier of Emergency Centres

- | | | | |
|---|----------------------------|----|-------------------------------|
| 1 | Shenzhen Emergency Centre | 7 | Shenyang Emergency Centre |
| 2 | Guangzhou Emergency Centre | 8 | Hangzhou Emergency Centre |
| 3 | Beijing Emergency Centre | 9 | Xian Emergency Centre |
| 4 | Shanghai Emergency Centre | 10 | Gansu Emergency Centre |
| 5 | Wuhan Emergency Centre | 11 | Haerbin Emergency Centre |
| 6 | Changsha Emergency Centre | 12 | Shijiazhuang Emergency Centre |



National Rescue Team Customers

- 1 Chinese Armed Police General Hospital
- 2 China Armed Police Logistics College
- 3 Guangdong Second Provincial Central Hospital

- 4 Wuhan Armed Police Corps
- 5 Chongqing Water Rescue Base
- 6 Blue Sky Rescue

- 7 Shanghai East Hospital
- 8 Tianjin PLA medical equipment research institute
- 9 Navy Hospital Ship



Ventilators Domestic Market Share



Worldwide Customers



USA



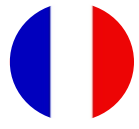
German



UK



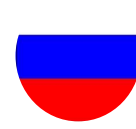
Italy



France



Australia



Russia



Israel



Iran



Egypt



Indonesia



Thailand



Brazil



Dominica



Chile



Argentina



.....

Worldwide Customers



**Toronto University
hospital
-Canada**



**Vancouver SURREY
hospital
-Canada**



**Tel aviv University
Israel**



**King Chulalongkorn
Memorial Hospital**



Belgium EMS System



**Meir Hospital
Israel**



Worldwide Customers

Українські військові отримали апарати ШВЛ від Канади та ООН

Корреспондент.net, 14 травня 2020, 21:21



ЧИТАТИ НОВИНУ РОСІЙСЬКОЮ



**Our ventilator in Kiev
General Military
Hospital , Ukraine**

Worldwide Customers



Our ventilator in Brazil

EU Emergency Transport Center (Brussels)



Social Responsibility

Earthquake Support



Medical Care for Charity Activities



Emergency Training Charity



Support Wuhan

Donated Epidemic Prevention Supplies and Ventilators to Henan CDC, Wuhan Tongji Medical College and Hubei Provincial Hospital of TCM with Qianhai Foundation

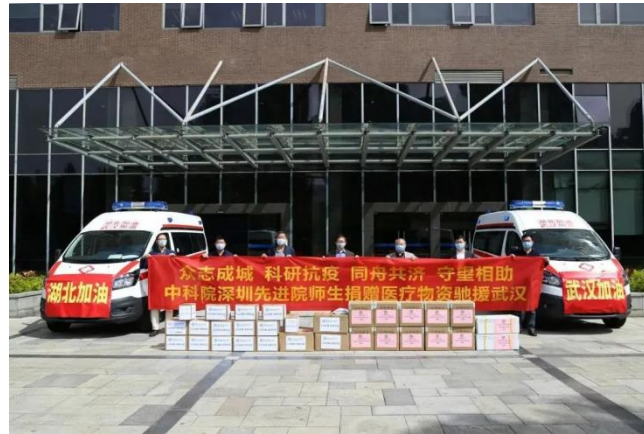
March 2020



Support Wuhan

Donated ambulances and ventilators to Wuhan with Chinese Academy of Sciences

April 2020





QR Code

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Instagram: www.instagram.com/ambulancotech

Twitter: twitter.com/AmbulancTech

Linkedin: www.linkedin.com/company/ambulanc-shenzhen-tech-co-ltd

Youtube: www.youtube.com/channel/UC8WNGwSQQUWZvHk5sZJN1fQ

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