

智慧醫療與照護

智慧治療 · 照護進化

2020 Smart Pandemic Response
Demo Room





泰博科技股份有限公司

TaiDoc Technology Corp

www.taidoc.com.tw

PRODUCTS

威創生理監視儀

V-Trust Vital Sign Monitor

- * 機器量測項目：血壓、血氧濃度、耳溫、血糖及心電圖 (3-Lead/5-Lead) 。
- * 血壓量測可支援成人、孩童及新生兒三種量測模式。
- * 7 吋觸控式彩色顯示器 (操作介面：繁體中文) 。
- * 可外接二維碼掃描器，可支援病患 ID 及護理人員 ID 識別。
- * 內建可充電鋰電池 (可連續使用 4 小時以上) 。
- * 內建 Bluetooth / WiFi 無線傳輸，支援醫院智慧護理站應用。
- * 5 Parameters: NIBP , SpO2 ,ECG ,Ear Temperature and BGM
- * Suitable for adult, pediatric and neonatal
- * Selectable 3-Lead or 5 Lead ECG monitor
- * 7" TFT color LCD touch screen
- * Optional Bluetooth or WiFi for data communication



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美思科技股份有限公司

MedicusTek Inc.

www.medicustek.com

PRODUCTS

美思臥床照護系統

MedicusTek System

美思臥床照護系統，結合病床內的感應模組與獨有的智慧演算法，協助提供高危險跌倒照護方案及臥床族群照護方案。大數據演算法將病人離床行為細分為：甦醒、坐起、即將離床及已經離床，護理人員可依據各行為警示，在需要的時候提供適當協助，以預防跌倒事件的發生。系統亦提供即時壓力點變化，針對長期臥床族群提供『翻身提醒』與『不動提醒』，幫助照護者有效掌握病人臥床情形，視覺化翻身照護過程，提升照護品質。

MedicusTek System helps to reduce bed falls and assist in pressure injury care with a proprietary sensor technology and machine learning system. With a proprietary contact-free approach and A.I. algorithm, bed exit behavior is divided into four stages: stirring, sitting up, leaving, and out of bed, enabling nursing staff to assist the patients while needed. Through the early detection of bed exit behavior, the system helps to reduce fall incidents and corresponding medical costs. The system also provides real-time pressure points to assist in repositioning. Real-time pressure points vary when the patient is being repositioned and make repositioning into visible care. From visualized repositioning, the system helps to empower facility efficiency and improve the quality of care.

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創心醫電股份有限公司

iMEDIPLUS Inc.

www.imediplus.com/index.php?lang=tw

PRODUCTS

電子聽診器數位聽診平台於 COVID-19 防疫之應用

Application of Electronic Stethoscope/ Digital Acoustic System for the Prevention of COVID-19

COVID-19 防疫期間，醫護人員穿戴防護衣進入負壓病房時，無法以傳統聽診器進行聽診，嚴重影響肺炎診斷。數位聽診平台應用電子聽診器無線傳輸聲音之特性，搭配無線耳機，使醫師著防護衣進入負壓病房後，可進行無線聽診，診斷肺炎病況。多位醫師亦可於病房外之護理站同步聽診，方便討論。

此平台已獲國內多家醫院使用於防疫，包括衛福部防疫指揮中心、台大雲林分院、臺北市立聯合醫院等，亦已通過美歐日等國之認證，多家當地通路積極洽談中。

During the ongoing COVID-19 pandemic, medical staff cannot perform auscultation on the patients with COVID-19 using traditional stethoscopes when they wear medical protective suits in the negative pressure isolation room, which seriously affects the diagnostic accuracy of pneumonia. Using the digital auscultation system with the electronic stethoscope and wireless earphones, doctors can perform auscultation wirelessly when entering the negative pressure isolation room wearing medical protective suits. Multiple physicians can also perform simultaneous auscultation at the nursing station outside the isolation room to facilitate discussion.

This platform has been used in epidemic prevention by many hospitals in Taiwan, including the Ministry of Health and Welfare's Epidemic Prevention Command Center, National Taiwan University Hospital Yunlin Branch, and Taipei City United Hospital, etc. The digital auscultation system has also been certified by the United States, Europe, and Japan, and sales channels are actively developed.

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路提科技股份有限公司

Rooti Labs Ltd.

www.rootilabs.com

PRODUCTS

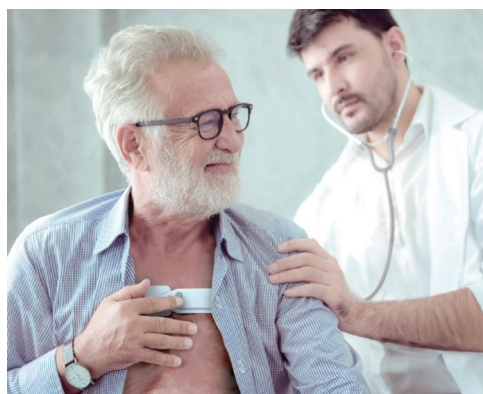
貼心貼貼片型心電圖紀錄系統

Ambulatory ECG monitoring patch recorder

連續 7 天長程心電圖監測系統，搭載 AI 智能演算法，透過大數據學習，24 小時內完成高準確分析報告，大幅提高 3-5 倍診斷率。

建立心電圖分析世界新標準！

A wireless ambulatory ECG monitoring patch that is lightweight, waterproof, and continuously records up to 7 days.



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財團法人工業技術研究院

Industrial Technology Research Institute

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PRODUCTS

醫療級呼吸器原型機

Medical-grade Ventilator Prototype

在新冠肺炎的影響下，患者將導致急性呼吸窘迫症候群，造成全球呼吸器需求大增，工研院超前部署防疫物資、提升臺灣產業爭取布局高階醫材市場的機會、建立臺灣呼吸器校正及驗證能力，展現「Taiwan Helps」精神。本所掌握三大關鍵：軟體、系統組件、系統驗證，在無縫接軌下，成功從開源解碼 (open source) 變成實際產品 (real product)。

Medical-grade Ventilator Prototype

Under the COVID 19, patients will cause ARDS, which has caused a large increase in global demand for ventilator. ITRI developed a medical-grade ventilator. Hereby ITRI advances in the field of anti-pandemic innovations, makes use of the opportunity for the Taiwanese industry to strive in the high-grade medical equipment market, establishes calibration and verification capabilities and assists the world in meeting the rising demand for ventilators. This accomplishment shows the world once again that TAIWAN HELPS.

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雅博股份有限公司

Apex Medical Corporation

www.apexmedicalcorp.com/tw/index.html

PRODUCTS

Mini Plus 呼吸治療霧化器與 AllNeb 噴霧罐

APEX Nebulizer Mini Plus and Nebulizer Bottle AllNeb

iX 系列陽壓呼吸器與智慧聯網自主健康管理系統

APEX iX Series CPAP System and EZ Compliance System

雅博 - 新型冠狀病毒 (COVID-19) 疫情緊急使用呼吸衰竭或呼吸功能不全患者之呼吸器

APEX emergency use of ventilator for the COVID-19 patients with respiratory failure or respiratory insufficiency

雅博 2020 年推出全新 iX 系列陽壓呼吸器，提供舒適連續性正壓打開阻塞的氣道，保持氣道暢通，幫助減緩睡眠中止 (Sleep Apnea) 的發生。因應新冠肺炎大流行，雅博 5 月發表陽壓呼吸器搭配新型呼吸管路配件的整合方案，陽壓呼吸器系列產品為核心，搭組新型呼吸管路設計，包含非通氣面罩、高效能過濾細菌病毒的過濾器、供氧管路，來提供呼吸衰竭或呼吸功能不全患者的呼吸支持，已於 7 月取得食藥署 TFDA 防疫專案製造許可。另外，雅博也推出新樣式呼吸治療噴霧罐 AllNeb，搭配噴霧治療器 Mini Plus，可將液體振盪形成霧化粒子減少流失，幫助肺部有效吸收，縮短治療時間。

In 2020, Apex Medical announced the new “iX series” Continuous Positive Airway Pressure (CPAP) device. CPAP provides constant pressure to upper airway and helps obstructive sleep apnea (OSA) patients to breathe more easily during sleep. In May 2020, Apex Medical launched a CPAP mode with specially designed circuit set to support COVID-19 patients who can breathe on their own but need respiratory support. The circuit set includes non-invasive mask, high efficiency particulate air filters and oxygen supply pipeline for COVID-19 patients with respiratory failure or respiratory insufficiency. Taiwan Food and Drug Administration (TFDA) has approved the circuit set (manufactured by APEX medical corp.) for the emergency use of COVID-19 treatment in July 2020. Another new product Nebulizer Bottle “AllNeb” used in Nebulizer “Mini Plus” was also announced in 2020. This product can deliver medication in the form of a mist inhaled into lungs with higher therapeutic effect and shorter treatment time.

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