



**MED.ONE**  
德康醫療器材事業有限公司

**ZOLL**®



# AutoPulse® NXT

SEE THE DIFFERENCE WITH **MECHANICAL CPR**

## CPR IN THE HOSPITAL

Augment your clinical teams' resuscitation capabilities under challenging circumstances such as limited staff, long codes, procedural interventions, and in-hospital transport. The AutoPulse® NXT Resuscitation System delivers consistent high-quality circumferential compressions, providing coronary perfusion even in the most difficult clinical settings.



### Improved hemodynamics

Using technology that delivers circumferential compressions, AutoPulse NXT squeezes the entire thoracic cavity. Multiple studies have demonstrated improved blood flow with circumferential compressions compared to manual CPR for patients in cardiac arrest.<sup>1-3</sup>

### Delivering safe compressions

With the push of a button on the platform, the AutoPulse NXT Band automatically adjusts to fit the patient's chest, measuring the appropriate depth and force for each compression. The system then begins delivering customized, uninterrupted, high-quality circumferential compressions.

### Consistency and confidence

AutoPulse NXT delivers high-quality compressions for as long as CPR is required, eliminating the physical and environmental challenges providers may experience from prolonged manual CPR.

### Deliver mechanical compressions for a wide range of patients

<b>Chest circumference</b>	30 to 56 in.
<b>Weight</b>	Up to 400 lb.

## MECHANICAL CPR IN THE GUIDELINES

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*The use of mechanical CPR devices may be considered in specific settings where the delivery of high-quality manual compressions may be challenging or dangerous for the provider, as long as rescuers strictly limit interruptions in CPR during deployment and removal of the device.*

*These specific situations may include limited personnel, moving ambulance, angiography suite, prolonged resuscitation, or concerns for infectious disease exposure.<sup>4</sup>*

*The 2020 American Heart Association Guidelines*

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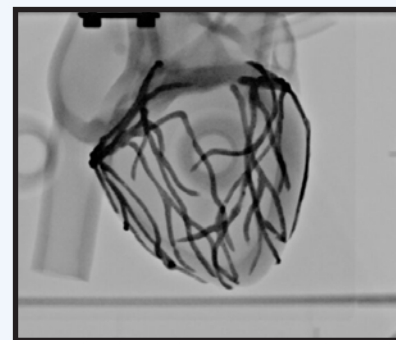
## DEPENDABILITY ACROSS THE CONTINUUM OF CARE

The AutoPulse NXT platform is designed to be more transparent, allowing for visibility during X-ray imaging.

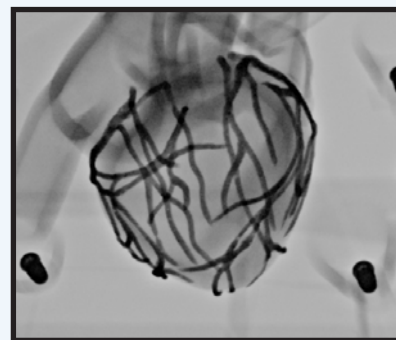
The low-profile of the AutoPulse NXT resuscitation system lets the C-arm move freely. When CPR is needed in the

cath lab, AutoPulse NXT delivers compressions while the C-arm remains close to the patient, allowing for continued diagnosis or intervention and protecting staff from excess scatter radiation.

### See the difference in the cath lab



AP 0°/0°



RAO 10°/CRAN 30°

Coronary arteries of a normal-sized adult heart model

### Continuity from EMS to Hospital

AutoPulse NXT provides high-quality CPR continuously from the scene and throughout advanced treatment.

EMS transport directly to the cath lab helps minimize time to lifesaving treatment for some cardiac patients. STEMI patients can continue receiving consistent compressions all the way through an intervention.

In-hospital cardiac arrest patients can quickly begin receiving mechanical CPR while providers address additional life-threatening medical issues or begin transport to other care units.



## A COMPLETE RESUSCITATION SOLUTION

### Streamlined efficiency

Code data integration and visual feedback on the R Series® and X Series® monitor/defibrillator offer a seamless user experience by capturing and displaying vital signs from manual and mechanical CPR. This complete ZOLL solution fills the patient transportation gap in a holistic view of hospital cardiac arrest QA/QI.

### Seamless device recognition

When used with the R Series, X Series, and OneStep™ electrodes, AutoPulse NXT compressions are automatically recognized. The ZOLL defibrillator/monitor displays "AutoPulse", so you know that circumferential compressions are occurring.

### Integrated data for simplified debriefing

RescueNet® CaseReview integrates multiple information sources to provide a complete view of a code. The entirety of your CPR performance — including recognition of AutoPulse NXT compressions — appears in the post-event CaseReview report. Identifying and comparing manual and automatic compressions provides additional QA/QI insight into CPR effectiveness during post-arrest hot and cold debriefings.



## AUTOPULSE NXT SYSTEM COMPONENTS



### Ready to deploy when you are

AutoPulse NXT batteries are designed for easy transition and reliability to ensure that the device is powered during a cardiac arrest. A typical charge time of two hours and visible charge indicators make battery management easy.



### AutoPulse NXT Transporter

Easily store your AutoPulse NXT platform and accessories on the transporter so you are always code ready.



## The AutoPulse NXT Advantage

While offering dependability across the continuum of care, AutoPulse NXT drives perfusion, fits more patients, and delivers mechanical compressions reliably and effectively. And with the increased radiolucency of the platform and its low-profile design, AutoPulse NXT is an ideal CPR solution for the cath lab.

Following a cardiac arrest, AutoPulse NXT, R Series/X Series, and RescueNet CaseReview work together to let you seamlessly manage and review your code data.

<sup>1</sup>Westfall M, et al. *Crit Care Med*. 2013 Jul;41(7):1782-1789

<sup>2</sup>Ong ME, et al. *JAMA*. 2006; 295:2629-2637

<sup>3</sup>Casner M, et al. *Prehosp Emerg Care*. 2005;9:61-67

<sup>4</sup>AHA 2020 Guidelines. *Circulation*. 2020;142 [suppl 2]:S366-S468)

# ZOLL®



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