

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, prolonged cardiac arrests, 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 haemodynamics

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.¹⁻³

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 customised, 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

Chest circumference	76 to 142 cm (30 to 56 in)
Weight	Up to 181 kg (400 lb)



MECHANICAL CPR IN THE GUIDELINES

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Mechanical CPR devices should be considered when high-quality manual compressions are not practical or pose a risk to rescuer safety.

2021 European Resuscitation Council Guidelines

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These specific situations may include limited personnel, moving ambulance, angiography suite, prolonged resuscitation, or concerns for infectious disease exposure.

The 2020 American Heart Association Guidelines

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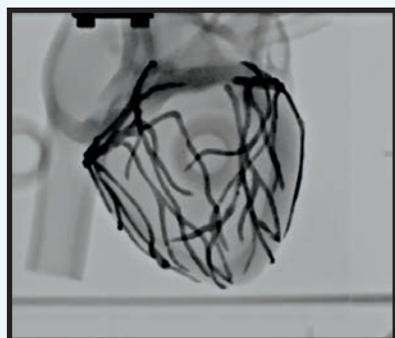
DEPENDABILITY ACROSS THE CONTINUUM OF CARE

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

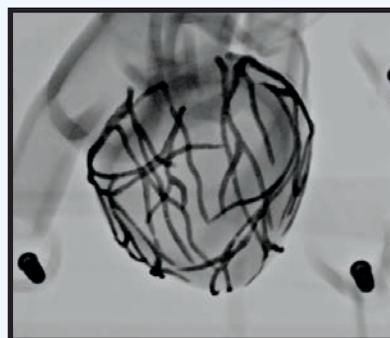
The low-profile of the AutoPulse NXT resuscitation system lets the C-arm move freely. When CPR is needed in the

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 minimise 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 recognised. 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 resuscitation event. 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 prepared.



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. 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 resuscitation data.

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

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

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

⁴AHA 2020 Guidelines. *Circulation*. 2020;142 (suppl 2):S366-S468)

*Not available in all countries.

ZOLL MEDICAL CORPORATION

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