

# Supporting your lifesaving efforts across the hospital

## **AutoPulse® NXT**

See the difference  
with mechanical CPR





“

*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!*

— 2020 American Heart Association Guidelines

# Your CPR partner in any situation



**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.

## Improve your patient's 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>2-4</sup>

## Deliver customized CPR to each patient

With a touch of a button, you can quickly begin uninterrupted, high-quality circumferential compressions on the AutoPulse NXT platform.

Advanced technology powers the AutoPulse NXT Band to automatically adjust to fit your patient's chest, determining the appropriate depth and force for each customized compression it delivers.

## Respond consistently and confidently every time

Remove the physical and environmental challenges that come from prolonged manual CPR. Depend on AutoPulse NXT to deliver high-quality compressions for as long as needed, whatever the setting.

## Expand the range of patients you can treat with AutoPulse NXT compressions.

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

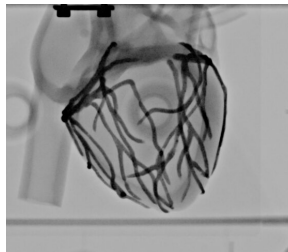
# Clear views and continuous CPR

Designed for the cath lab, **AutoPulse NXT** lets clinicians see common views during X-ray imaging.

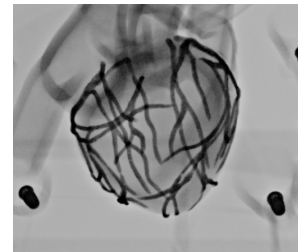
The system's low profile allows the C-arm to move freely. When CPR is needed in the cath lab, AutoPulse NXT delivers compressions while the C-arm remains close to the patient, allowing for continued diagnosis or intervention and protecting staff from excess scatter radiation.

## See the difference in the cath lab

*X-ray of a normal-sized adult heart model on AutoPulse NXT*



AP 0°/0°



RAO 10°/CRAN 30°

## Powering continuity from EMS to Hospital

Because a patient can be transported on AutoPulse NXT, they can receive high-quality CPR continuously—from a scene to the hospital ED 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.



EMS



Emergency dept.



Cath lab



## Empowering your teams with a complete resuscitation solution

### Streamlined efficiency

Code data integration and visual feedback on the R Series® and X Series® monitor/defibrillators 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.

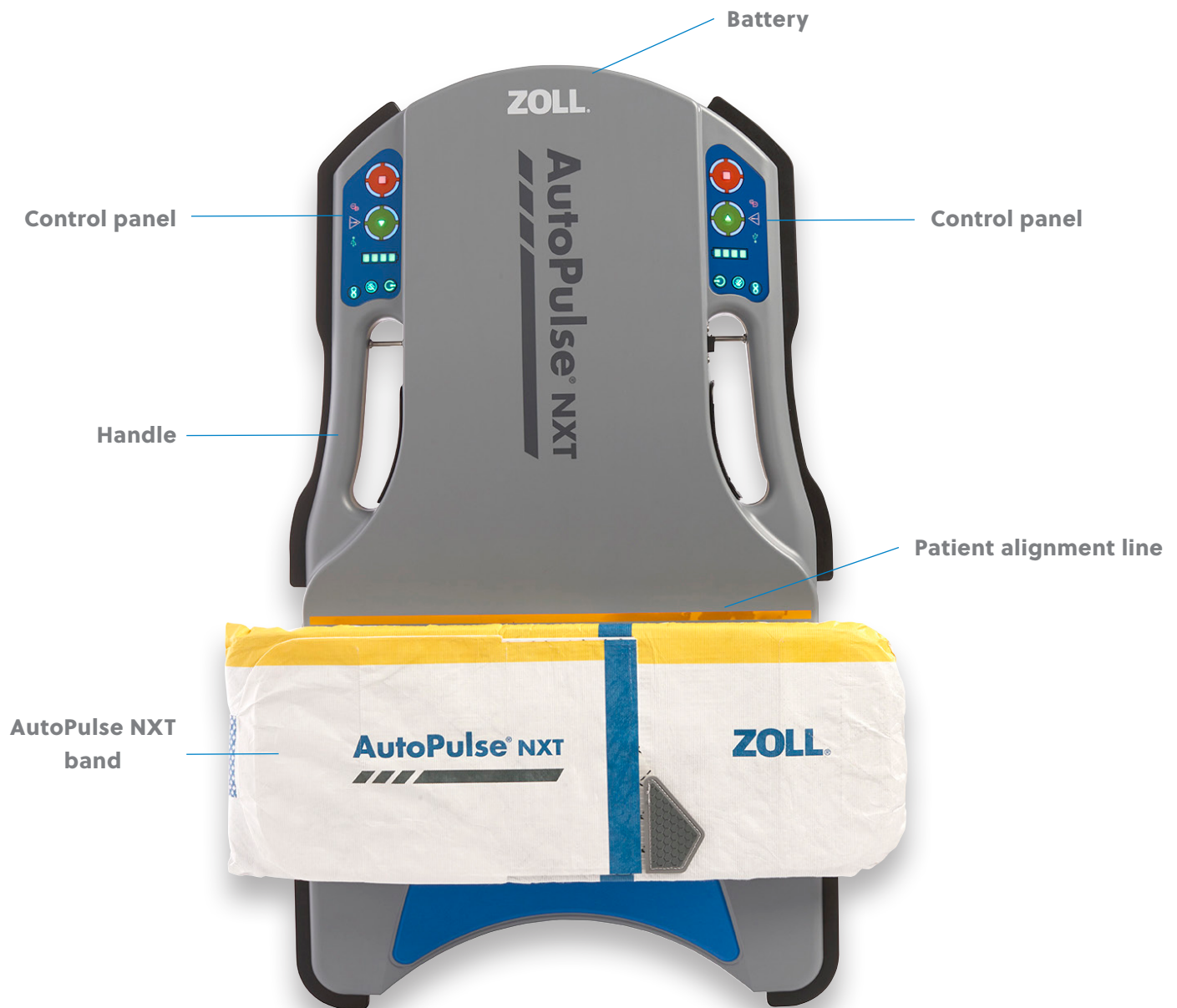
### Integrated data for simplified debriefing

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





## Designed to be code ready

Easily store your AutoPulse NXT platform and accessories on the AutoPulse NXT transporter so your team is always ready to respond.



## 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.





## 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.

**Make AutoPulse NXT your CPR partner.**

<sup>1</sup>Panchal AR, et al. *Circulation*. 2020;142 (suppl 2):S366–S468.

<sup>2</sup>Westfall M, et al. *Crit Care Med*. 2013 Jul;41(7):1782-1789

<sup>3</sup>Ong ME, et al. *JAMA*. 2006; 295:2629-2637

<sup>4</sup>Casner M, et al. *Prehosp Emerg Care*. 2005;9:61-67

### ZOLL Medical Corporation

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