

INTELLIGENT  
**ULTRASOUND®**  
*for smarter scanning*



**HEARTWORKS®**

Simulation in Cardiac Anatomy,  
Echocardiography and Lung  
Ultrasound

## TRANSTHORACIC ECHOCARDIOGRAPHY (TTE)



Comprehensive TTE scanning using the TTE probe



Accurate, palpable anatomical landmarks to aid TTE probe positioning

## REALISTIC DOPPLER



Colour, pulsed wave and continuous wave doppler in all regions of all patient cases



M-Mode, Biplane, and measurements & calculations package with reporting functionality

## CARDIAC ANATOMY & PATHOLOGY



Interactive 3D heart with over 135 intra-cardiac structures labelled



Integrated and comprehensive anatomy textbook



30 heart and lung pathology cases



Gold standard TTE & TEE imaging planes

e-learn  
courses  
available

## TRANSESOPHAGEAL ECHOCARDIOGRAPHY (TEE)



True-to-life TEE examinations using the TEE probe



Controls for ante and retroflexion, lateral flexion and, omniplane rotation

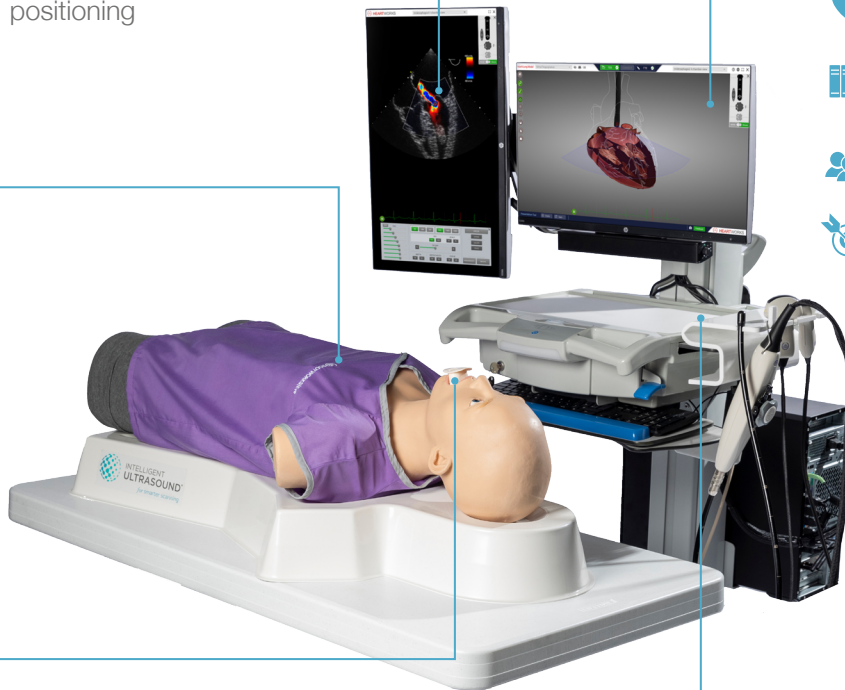
## CART-BASED SYSTEM



Manoeuvrable, adjustable cart with accompanying manikin table



Designed to mimic true-to-life ergonomics



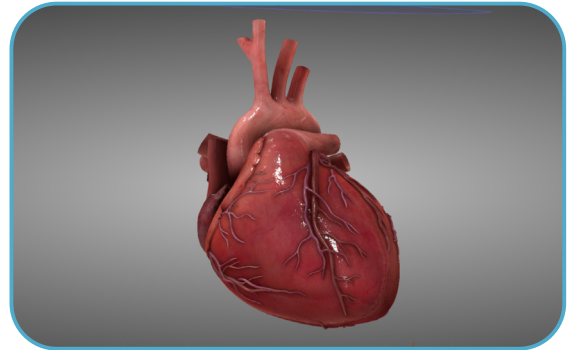
**Developed by leading clinicians in cardiac anesthesiology.** HeartWorks® is recognized globally as the leading simulation system for education in cardiac anatomy, echocardiography and lung ultrasound, with 30 interactive pathology cases.

**Comprehensive education in cardiac anatomy, TTE and TEE.** HeartWorks® provides the gold-standard imaging views for 20 TTE and 28 TEE imaging planes, meaning trainees can learn to acquire these views without the need for supervision.

**Interactive and accurate cardiac simulation.** Fully explore and understand anatomy as it relates to the ultrasound images. For every case there is an anatomically accurate and fully interactive 3D heart which can be rotated, sliced in any direction and highlighted.



Combine **HeartWorks** with the **BodyWorks** simulator for a complete PoCUS & echocardiography solution.



“HeartWorks is an essential addition to any unit offering an ultrasound and echocardiography service, or trying to teach such skills.”

**Dr Craig Morris**

Consultant Intensivist & Anaesthetist, Royal Derby Hospital, UK.  
Emeritus Professor of Cardiac Morphology, Institute of Child Health





### READ MORE ONLINE



### PRODUCT RESOURCES



### CASE STUDIES



Intelligent Ultrasound is unlocking ultrasound for everyone with real-time support from the classroom to the clinic. Get in touch today:

[hello@intelligentultrasound.com](mailto:hello@intelligentultrasound.com)

[intelligentultrasound.com](https://intelligentultrasound.com)

