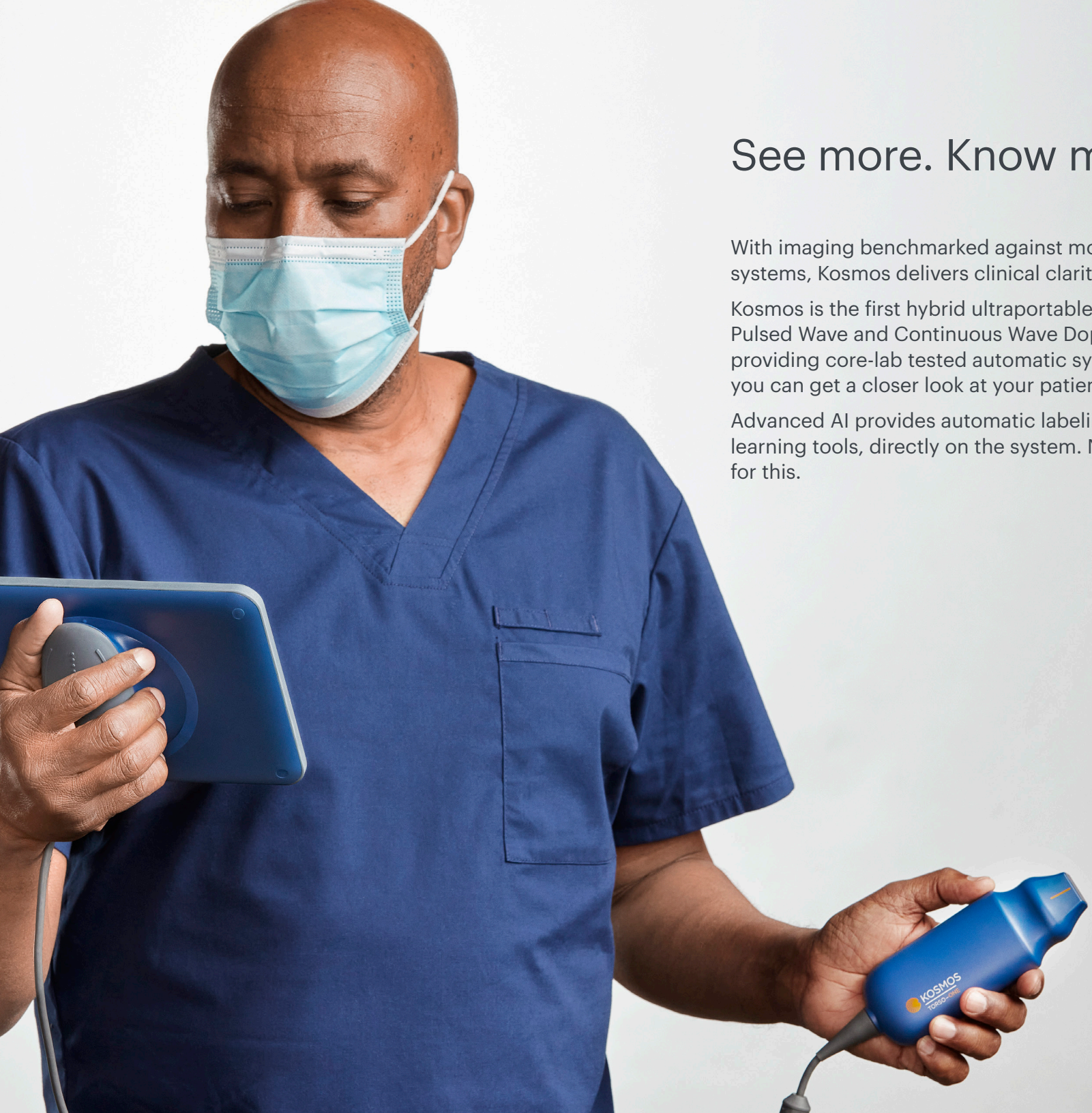

KOSMOS
by EchoNous
Ultraportable ultrasound offering diagnostic-grade imaging, AI, and CW/PW
ABDOMEN
B mode
Color
PRF
20%
Color gain
Flow range
Wall filter
KOSMOS



See more. Know more. Do more.

With imaging benchmarked against more expensive cart-based systems, Kosmos delivers clinical clarity at the bedside, every time.

Kosmos is the first hybrid ultraportable powerful enough to deliver Pulsed Wave and Continuous Wave Doppler. With powerful AI tools providing core-lab tested automatic systolic function calculations, you can get a closer look at your patients health on the spot.

Advanced AI provides automatic labeling, guiding, and grading learning tools, directly on the system. No need to go to the cloud for this.

KOSMOS Platform

Kosmos Platform is a family of hardware, software, and advanced AI solutions designed to support every aspect of your point-of-care ultrasound needs. From helping with image acquisition and interpretation to automatic assessment of complex calculations to assist in patient management.

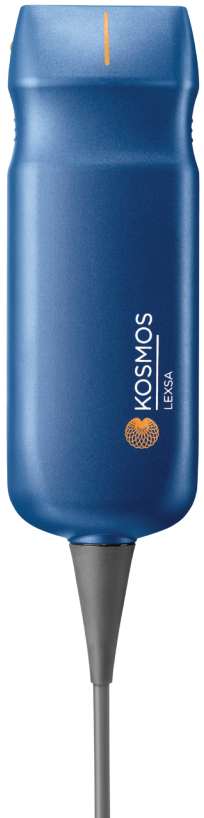
Marking a major advance in the evolution of handheld point-of-care ultrasound, Kosmos is the only handheld ultrasound equipped with both PW and CW Doppler. The modular architecture of the Kosmos family lets you tailor the functional capabilities of your system to your clinical needs.

Kosmos comes with a 5-year warranty. We're confident that Kosmos will stand up to the everyday rigors of clinical work.

Torso-One

Torso-One is a phased array transducer that provides high-definition ultrasound imaging with a smaller footprint and narrower grip. The probe's small footprint makes it easier to access tight anatomical spaces that are typical when trying to find windows between ribs. Ideal for cardiac, lung, and abdominal exam types.

- Small footprint for scanning in tight windows
- Full CW and PW Doppler capabilities
- AI available
- Cardiac calculations package



Lexsa

Lexsa is a 64/128 channel linear array probe with a 38mm aperture for imaging superficial applications. Lexsa offers high-level imaging and is the probe of choice for lung, vascular structures, nerves, and MSK.

The only AI-driven ultraportable ultrasound benchmarked against high-end systems

Your choice of viewing devices

Bridge

The Bridge is our proprietary viewing device that allows you to capture, save, and export exams in high-definition.

Android-Compatible

Kosmos connects with your Samsung S6 and S7 Android tablets. Android offers a non-proprietary and affordable way to purchase Kosmos capabilities. Simply download the app from the Google Play store and start scanning.†

- **Innovative AI computing**
- **HIPAA compliant and secured data**
- **JPEG or MPEG-4 AVC exports**
- **DICOM supported for archiving exams to PACS**
- **Drop-tested from 3-feet**
- **Made with damage and scratch-resistant Gorilla Glass**

† Not all functionality is available on Android at this time.

AI automated image guidance, grading, and labeling

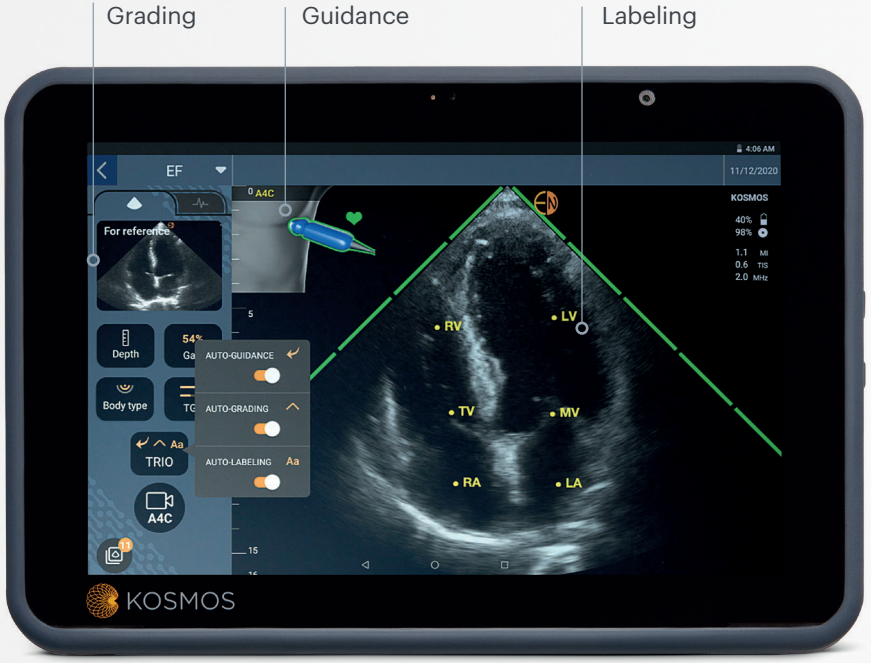
We leverage cutting-edge, deep learning algorithms to transform the way clinicians assess heart, lungs, and abdomen‡ in minutes. All with minimal training.

Our artificial intelligence platform is developed on convolutional neural networks, which have been trained on thousands of expert annotated ultrasound clips, with an aim to diffuse and scale expert knowledge to frontline care providers.

AI TRIO of Algorithms[1]

Our AI TRIO helps scanners move quickly from novice to expert. With real-time guidance on probe movement and object detection techniques to reliably identify and annotate structures. It's easy to improve accuracy and gain confidence.

- **Drive repeatability and reproducibility of key clinical measurements**
- **Flatten user learning curves and accelerate confidence with ultrasound-based devices**
- **Provide evidence-based support to help in swift decision making**



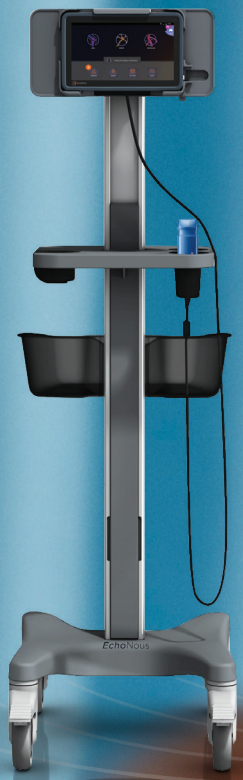
AI-Assisted Ejection Fraction Workflow[1]

Physicians no longer have to sacrifice clarity or confidence for speed. Our algorithms compute critical measurements in seconds. Our systolic function capabilities have been core-lab validated.

[1] The Trio is a real-time automatic image labeling, grading and guidance system to enable the collection of images by healthcare practitioners, including those who are not trained in sonography, to address urgent image analysis needs during the declared COVID-19 public health emergency. The Trio is intended to be used by qualified healthcare professionals or under the supervision or in-person guidance of a trained or licensed healthcare professional. This feature has not been cleared by the FDA. The AI-assisted EF Workflow uses AI to perform initial EF calculations by healthcare practitioners, including those who are not trained in sonography, to address urgent image analysis needs during the declared COVID-19 public health emergency. The AI-assisted EF Workflow is intended to be used by qualified healthcare professionals or under the supervision or in-person guidance of a trained or licensed healthcare professional. This feature has not been cleared by the FDA.

In the hand or on the stand

A true hybrid use model. Kosmos can be carried in hand from patient to patient, or can be placed in the proprietary stand to be wheeled to the bedside.



The name EchoNous translates to mean “intelligent sound” — with “echo” meaning sound and “nous” meaning intelligence. But this name also embodies the team’s vision of adding the emerging field of artificial intelligence (AI) with the miniaturization of ultrasound to help solve common everyday problems in healthcare. Our goal is to arm clinicians with relevant clinical insights so they can spend less time on diagnostics and more time on patient care.

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