



the next level in
cardiovascular ultrasound imaging

Artificial Intelligence for quick and precise data

Discover how AI can empower your cardiac examination with our HDSI. Fuelled by Big Data, your system automatically works for you in the background – detecting the best frames, conducting key measurements and accelerating your scan. Complex and time-consuming tasks become simple – leaving you to focus on diagnosis and treatment decisions.

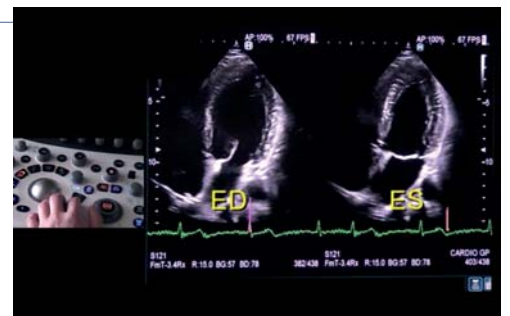
Automated measurements for quick and accurate data

Your data is just one click away with our AI-based automisation. Simply apply different parameters to the normal B-mode image within your routine examination – for example EF, GLS, LA/RA volume or Fractional Area Change. Then just let the system take the strain – by accelerating your exam times, increasing accuracy and reducing your stress.



Automated detection of optimal frames for Ejection Fraction

Now you can drastically reduce your process steps when calculating the Ejection Fraction index. Our AI technology automatically recognises the optimal diastolic and systolic frames, and measures the EF based on the Simpson method. No more manual clicking through the frames and choosing the most suitable – because the system does it for you: quickly and accurately.



AI-detection of stable R-R intervals for Doppler

Manually selecting stable R-R intervals can be challenging, especially if your patient has arrhythmia. Adding another manual measurement of the E/e' index means that you end up spending lots of time simply operating the system. The good news: now you can do it in a single click! Our iDual Gate Doppler automatically detects stable R-R intervals, measures PW/TDI in the same cycle, and delivers E/e' in just five seconds.





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**Quantify and analyse the complete myocardial
function in just one click**

Would you like to get advanced quantitative measurements of the cardiac wall movement in a single click? Now you can with our i2DTT speckle tracking technology. It obtains various parameters for strain, volume and thickness – including GLS and strain rate, myocardial contractility, torsion or displacement and wall thickening. So why not simplify your assessment and speed-up your examination time with AI?

