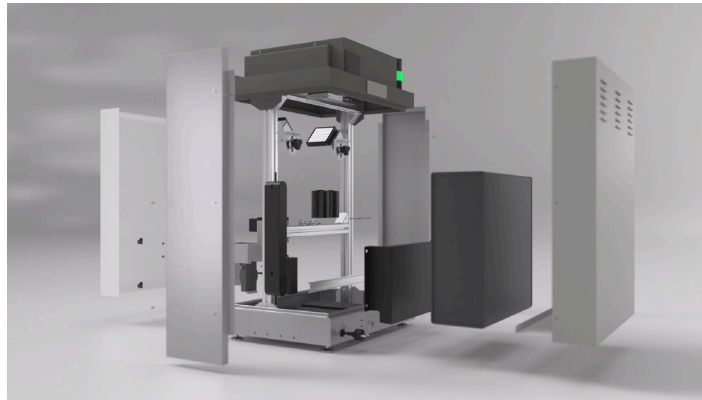


## Measuring Platform – DiNAQUBE™

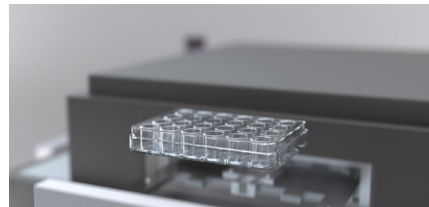


### High Performance

- Rapid screening with the ability to analyze 24 **Engineered Heart Tissues** (EHTs) simultaneously in 90 seconds
- Integrated pacing unit for electrical stimulation of 24 EHTs in parallel

### Sterile Analysis

- 2-camera based non-invasive sterile video-optical recordings



### Controlled Environment

- Incubator-like chamber with inlet for gas ( $\text{CO}_2$ ,  $\text{O}_2$ ,  $\text{N}_2$ ) & sensors for relative humidity,  $\text{CO}_2$  and temperature control

### High Level of Automation

- Available interfaces for automation including software-controlled tray, sensors, QR-code reader, transport tray for robotic arm handling, automated data pipeline

### Further Developments (*ongoing*)

- Scaling to 48-, 96-, 384-well plate format
- Measurement of fluorescent dyes (e.g., calcium transients)

### Contact us

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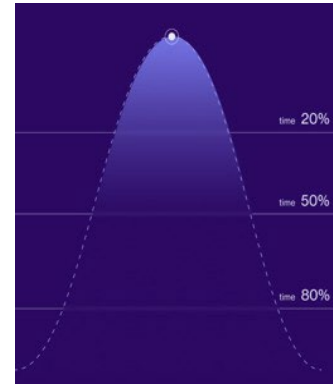
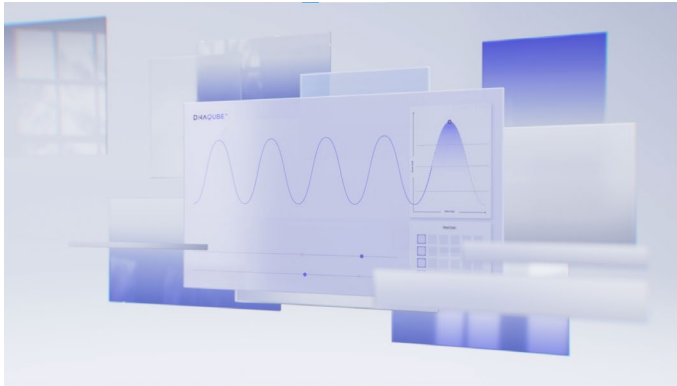


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## Efficient & Intelligent Data Handling

- User-independent figure recognition (AI-based)
- Fully automated functional characterization (contractility) of EHTs
- GLP-compliant data acquisition through automated data processing, storage and analysis

## DiNALYTIQS™ - Data Analytics Solution

- Web-based app for efficient retrieval and comprehensive analysis of human tissue data from various measurements, including statistics
- Features customizable reporting with automated quality control (biological and technical)
- AI capabilities simplify and accelerate the classification and comparison of measurements
- Valuable insights and consistency in data quality and analysis

## On-Premise or Cloud Infrastructure

- Power-PC of DiNAQUBE™ running all software applications including data handling, storage and analysis (*on-premise solution*)
- Interfaces for outsourcing of services such as applications, databases and data storage/archiving (*intranet-based solution*)
- Private cloud infrastructure (software as a service) for data storage and analysis (*internet-based solution*)

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