QUALISYS
ANITIME

QHorse - Next Level
movement analysis

Qualisys – world leading motion capture technology

Qualisys has developed motion capture cameras and software for more than 20 years. We provide high-end tools that can be used in a wide variety of areas for capturing motion.

The core technology is based on cameras that with high precision determines the position of small and light weight reflective markers. These are placed on the object of interest, may it be human, dog or horse.

Within research, optical motion capture has long been considered the golden standard for measuring equine locomotion. Qualisys has now expanded this technology to the clinical setting bringing objective lameness assessment to a completely new level.

QHorse – Objective clinical equine lameness assessment
With our own tailor-made asymmetry analysis tool, QHorse, objective lameness analysis is quick, easy and comprehensible.
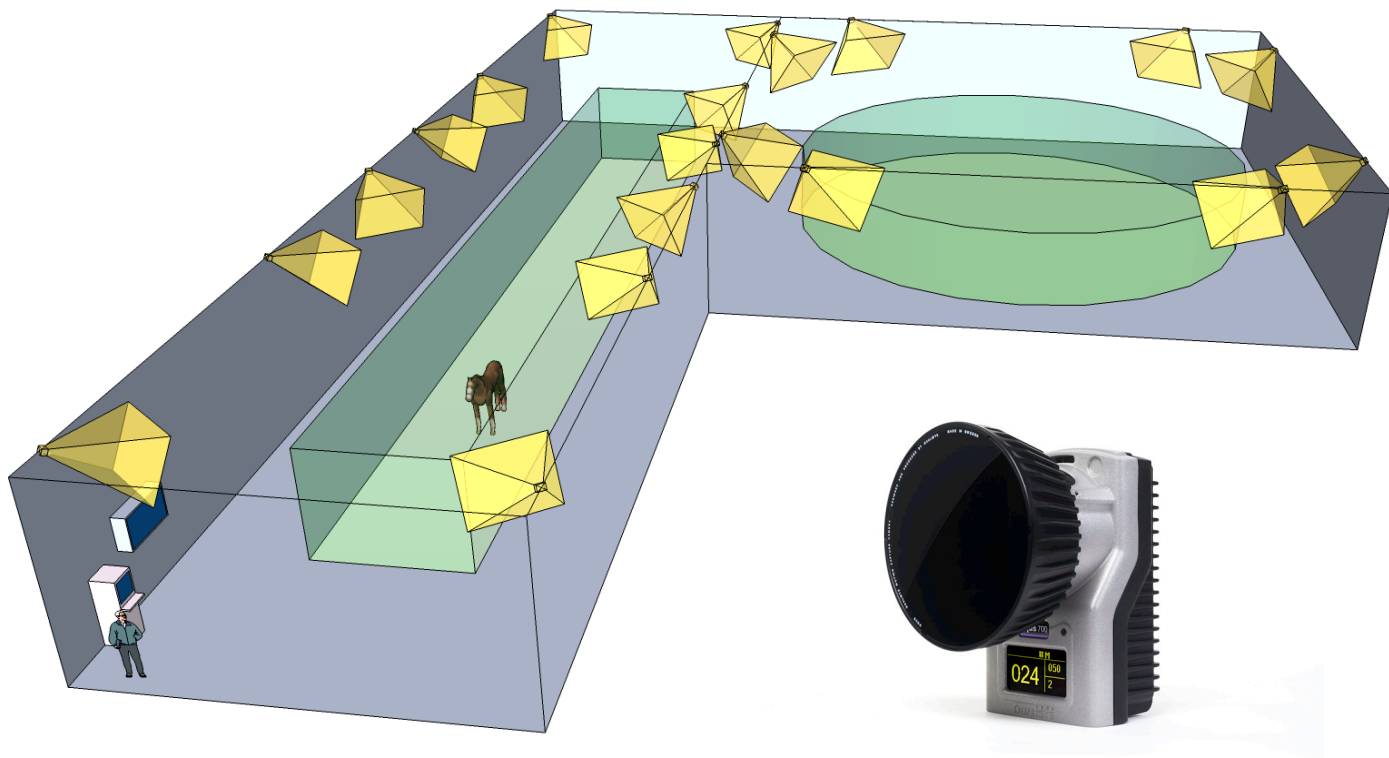
We know from years of research that certain asymmetries in horse locomotion during trot are related to weight bearing lameness.

QHorse calculates and visualizes these asymmetries in an easy and understandable way as an objective complement to your subjective evaluation.

The system provides the best accuracy and precision on the market. This enables you to capture movement that might be close to impossible to detect with the naked eye.
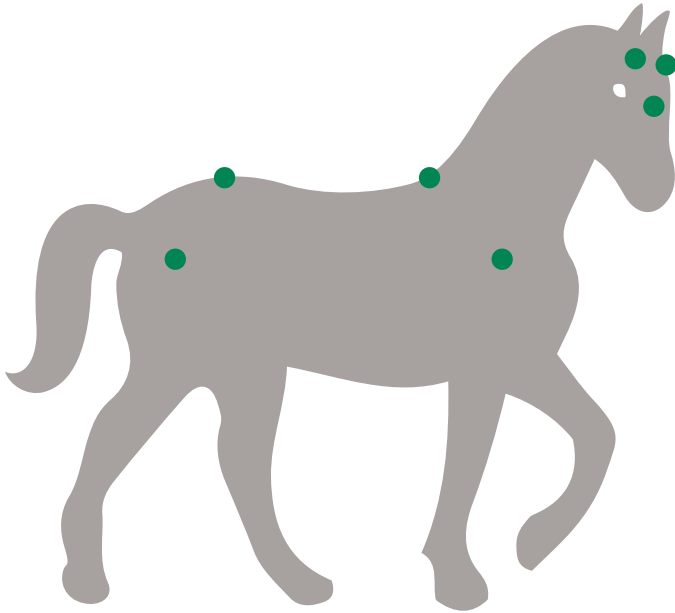
The interface is designed to show asymmetries in a variety of ways, ranging from an easy overview to in depth stride by stride information. This is paired with quick and easy comparisons of measurements, video recordings and a report function, making it an exhaustive state of the art tool for objective lameness assessment.

12 cameras are used to cover the volume where you trot the horse in a straight line and another 8 cameras cover a circular volume. These two volumes can be used independently or in combination with each other.
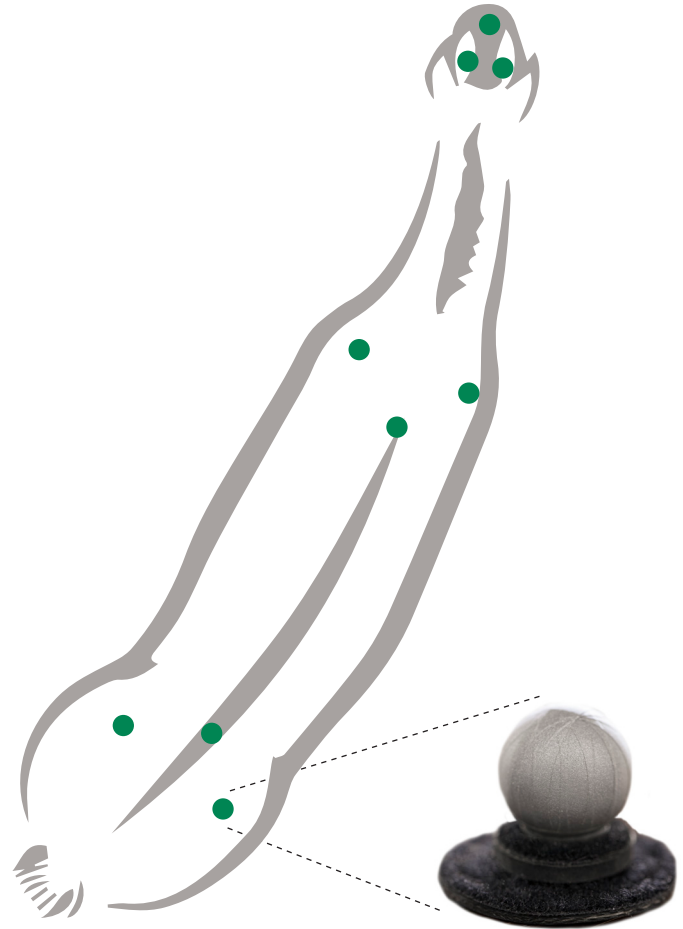
Placing markers

Placing markers is completely non-intrusive. The clusters are easily attached using double adhesive tape and do not disturb the normal movement pattern of the horse during the measurement.

The standard setup consists of 9 markers in 3 clusters. One cluster is placed on the head, another above the withers and the last one above the pelvis.
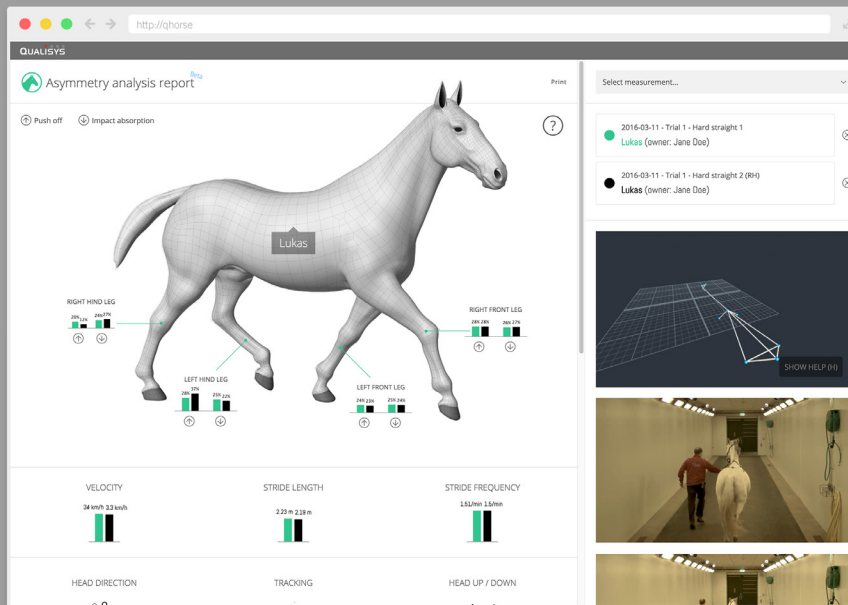
The workflow

Making assessments is easy and integrated in the clinical workflow – Start and stop a measurement during the normal procedure of trotting the horse. You can assess horses moving in a straight line and moving in circle as well as after performing a flexion or an anaesthesia. The workflow is designed to interfere as little as possible with your normal workflow.

Immediate results

Immediate results – Results are displayed within seconds after the measurement is finished. It is easy to compare results from different assessments or even different visits. Monitoring of your clients over long periods of time is made possible with video recordings of all evaluations performed with the system.

Web report

Interactive, web-based report – When the day is done the client does not leave empty handed. The application automatically generates an interactive report of the chosen measurements formatted in a comprehensive way.

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