NEW

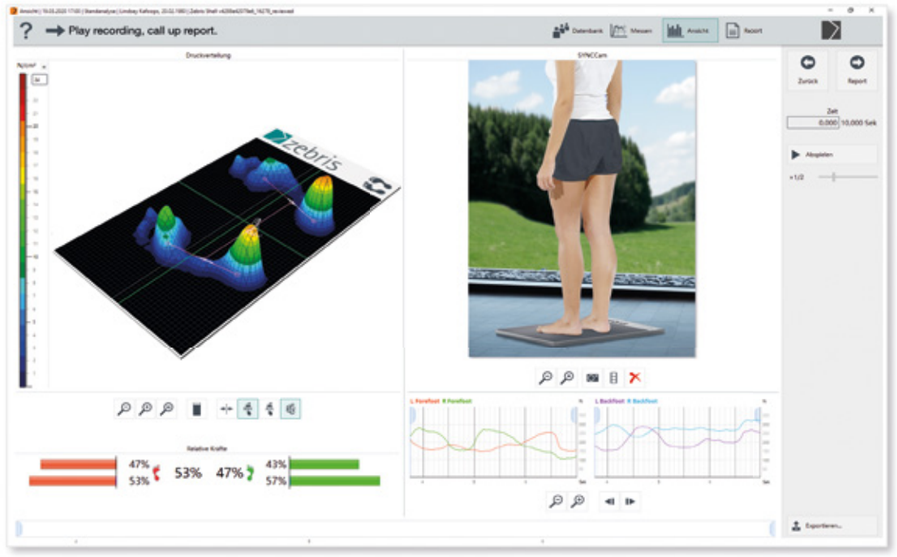
PDM-C Measuring system for static and dynamic foot pressure measurements

PDM-C System

zebris

The zebris PDM-C system for stance and roll off analysis

The zebris PDM-C system consists of a measuring platform which is connected to a stationary PC or notebook via the USB interface.
The extension with the fully synchronized SYNCCam camera turns the PDM-C system into a complete measuring system for stance and roll off analysis.



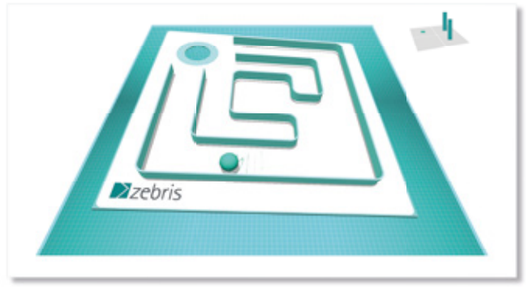
The software program consists of a database, a signal viewer and a report generator.
The stored pressure measurement data can be displayed completely synchronously with the recorded video data in slow motion.
During the stance analysis, the load distribution for the forefoot as well as right and left is displayed in real time.

The high-precision and robust zebris PDM-C and PDM-XC measuring platforms contain a large number of individually calibrated capacitive pressure sensors and enable analysis of the static and dynamic pressure distribution under the feet when standing and walking.

Foot deformities, foot function, posture and balance can be analyzed. Any number of stance and roll off tests can be executed directly one after the other.

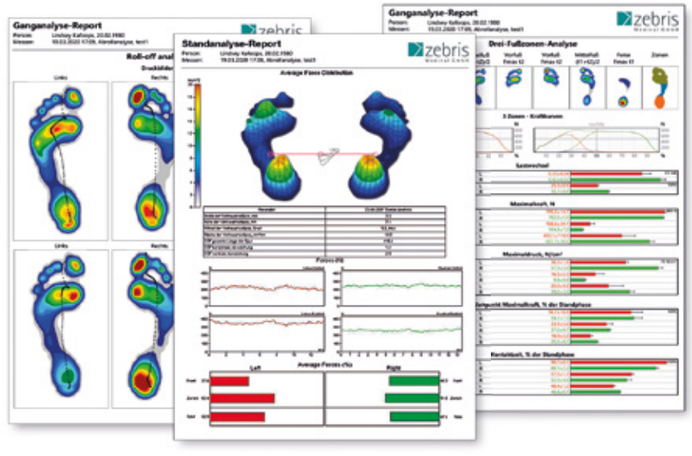
The results are available in configurable evaluation reports.
The measuring platforms have a video synchronisation output as standard and are therefore prepared for connection of the optionally available SYNCCam camera. Operation is exclusively via a USB cable. A separate power supply unit is not required.

With an optional software module a coordination and balance training is possible with different degrees of difficulty.



An optional software module allows playful training of coordination and balance in three adjustable difficulty levels.
By shifting the body weight, the inclination of a surface is changed and thus a ball is steered through a labyrinth.
Points are collected depending on the success.

The evaluation reports are freely configurable and show, in addition to the averaged load distributions, the maximum pressure images, pressure and force curves and the individual phases of the roll off process.
Comparative analyses of two measurements are possible.
All raw values and the values of the evaluation report can be exported as data files.



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System components

The measuring station for stance and roll off analysis works with a standard PC under Windows 10. It is recommended to order the system with computer. Zebris offers both a Notebook, as well as an All-In-One Touch-PC with stand.

The SyncCam cameras are frame accurate synchronized with the pressure sensor technology of the measuring platforms. The adjustable shutter speed guarantees a high degree of image sharpness.

The stands are available with rollers or a base plate.

Technical data zebris PDM-C measuring platforms

Operation via USB without power supply!

PDM-XC
Dimensions (LxWxH): 540 x 400 x 15 mm · sensor area: 406 x 339 mm · number of sensors: 1,920 · sampling rate: 120 Hz · measuring range: 120 N/cm² · PC interface: USB 2.0 · Video SYNC

Operation via USB without power supply!

PDM-C
Dimensions (LxWxH): 680 x 400 x 15 mm · sensor area: 542 x 339 mm · number of sensors: 2,560 · sampling rate: 120 Hz · measuring range: 120 N/cm² · PC interface: USB 2.0 · Video SYNC

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