

# The FDM-S multifunctional, forcemeasuring plate



FDM-S  
SYSTEM

zebris

# The zebris FDM-S System – for stance

The zebris FDM-S System consists of a force-measuring plate that is used with a commercially available PC. Due to the wide variety of extension possibilities, this system can be used as a complete measuring unit for stance and roll-off analysis.

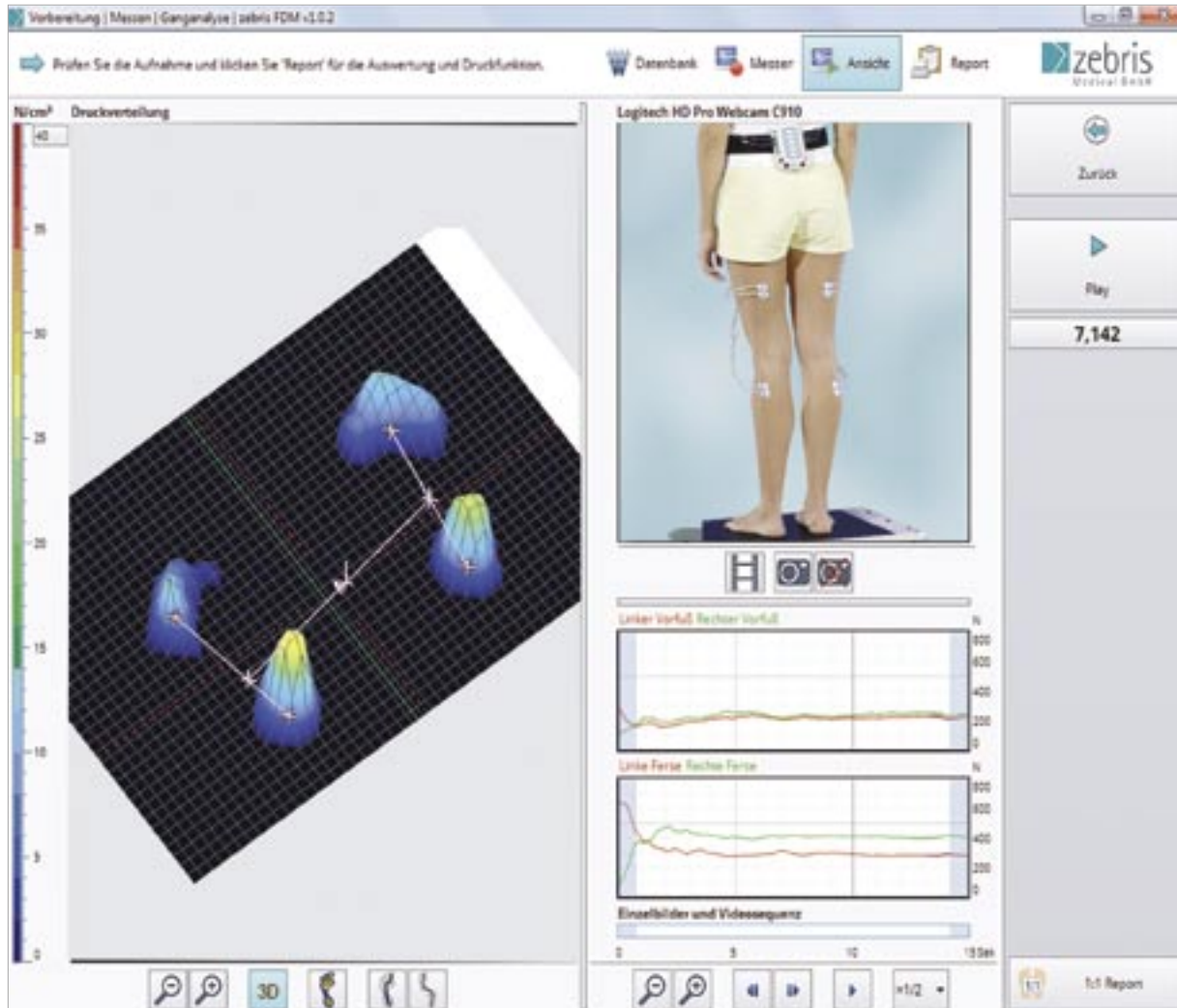


The zebris multifunctional, force-measuring plate consists of a large number of calibrated, capacitive, force sensors and enables the distribution of static and dynamic forces under the feet to be analyzed during stance and gait. As a result, foot deformities, foot function and posture can be analyzed. Any number of stance tests and roll-off patterns can be carried out directly, one after the other. Using an optional software

module, balance analyses are also possible. The results are available as an evaluation report. The measuring plates have a videosynchronization output as a standard feature and are designed for connecting the video module that is optionally available. An infrared transmission module is available for synchronizing the EMG radio adapter.

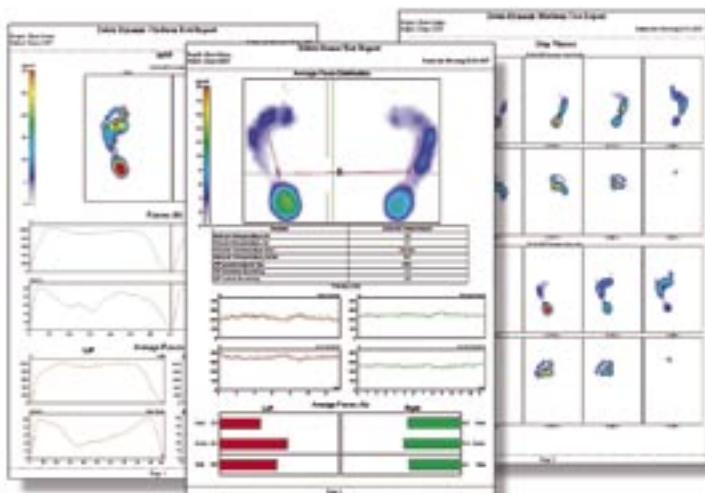


# and roll-off analysis



The software program consists of a Database, a Viewer and a Report. All the stored, force-measurement data can be shown in slow motion, fully synchronized with the recorded video or EMG signals. For the roll-off patterns, the allocation to the left and right side of the body is selected manually.

The evaluation reports can be freely configured, and in addition to the averaged distributions of force, they show the maximum pressure, the pressure and force curves, and also the individual phases of the roll-off pattern.



Analyses for comparison purposes are possible for up to three measurements. All the raw values and the values shown for the maximum pressure can be exported as ASCII files.

## Options



The cordless radio adapter is fitted with eight analog inputs, four digital inputs, an infrared interface and an output for direct connection to a USB. Subsequently, up to eight EMG amplifier cables can be connected.



In addition to the camera and tripod, the SYNCCam camera module includes all the connection and synchronization cables necessary for its operation, as well as the software extension. For optimum illumination of the items, the synchronized lighting systems, SYNCLight and SYNCLight plus are available.

## FDM-T und FDM System

Other measuring systems are available for stance and gait analysis.



FDM-T treadmill ergometer



FDM plates