

What's New in Software Version 1.13

23/06/2023

Version 1.13 introduces a major integration between the OptoGait and GYKO systems and provides a new view of the results, with new charts and content.

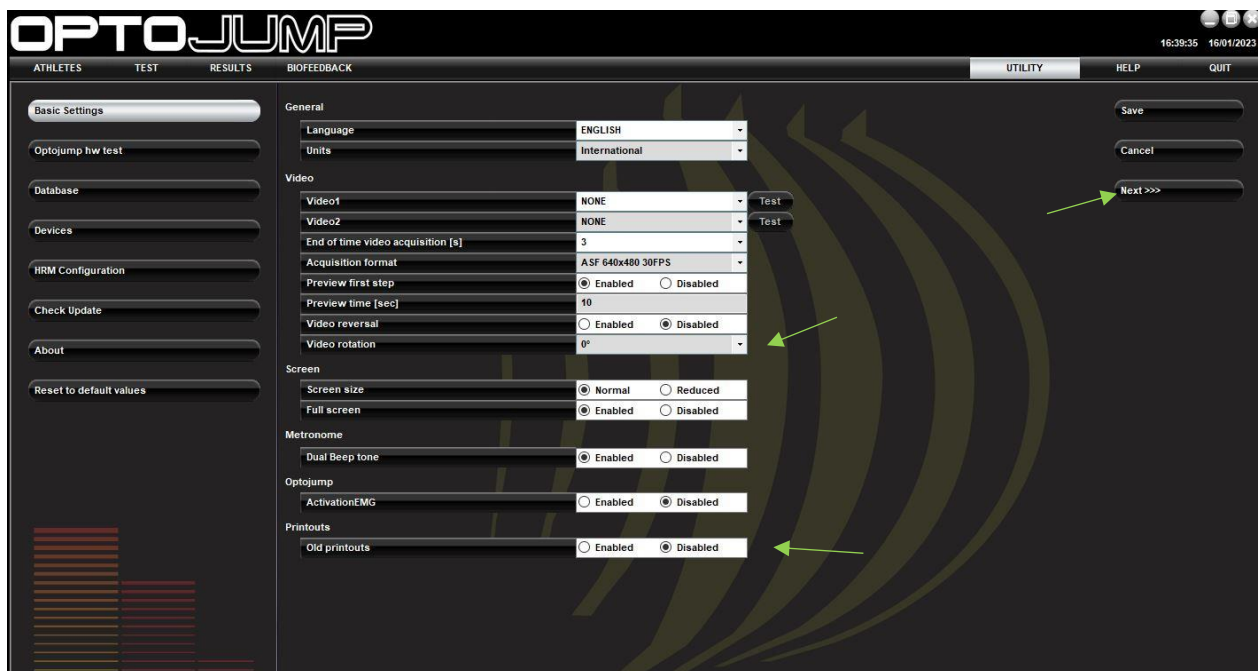
New features in “Basic Configuration”

The basic configuration page contains 3 changes.

The configuration of the supported parameters related to data measurement has been moved to the next page to make for easier reading — remember that these parameters can be changed on each individual test in both their “definition” and individual “result”.

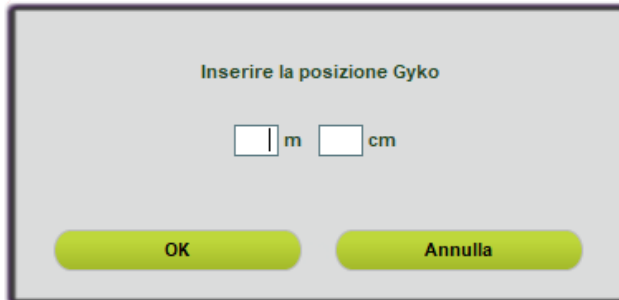
The ability to rotate the webcam has been added to facilitate more efficient image recording in confined spaces — the webcam’s horizontal angle is greater than its vertical angle.

The print flag has been added to be able to access the new content and charts or to use the ones in the software until yesterday.



GYKO positioning definition during tests

It is now necessary to define gyko positioning at the time of the specific test, leaving the freedom to change the positioning according to the test to be performed and the support used (band or bib).



Inserire la posizione Gyko

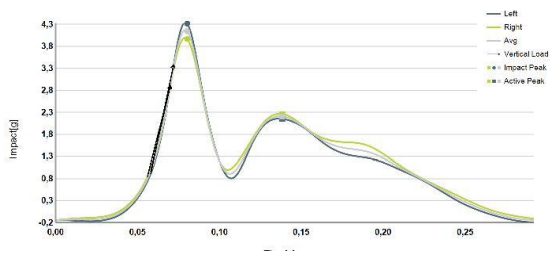
m cm

OK Annulla

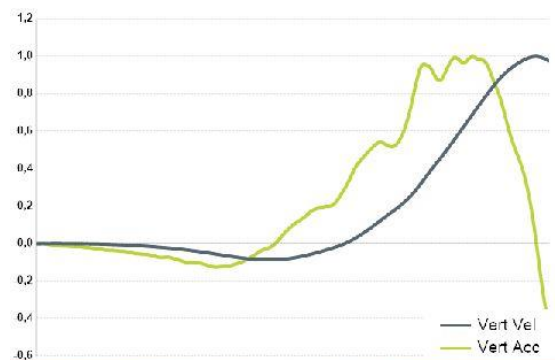
New parameters from GYKO

New parameters from our Gyko inertial sensor have been implemented in the new version, integrating them into the software and reports.

Regarding running gait analysis, the processed data from Gyko quantify the positioning and movement of the trunk and the most important characteristics of the impact accelerations: peak impact, active peak, vertical load and speed.



For jumping, OptoGait data have been enriched with important information regarding the eccentric (loading) and concentric (thrusting) phases and graphically reported.

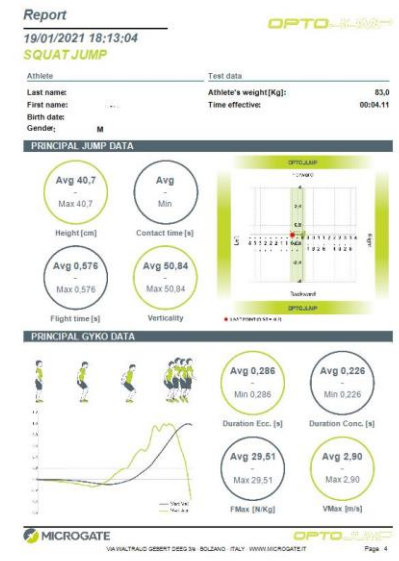
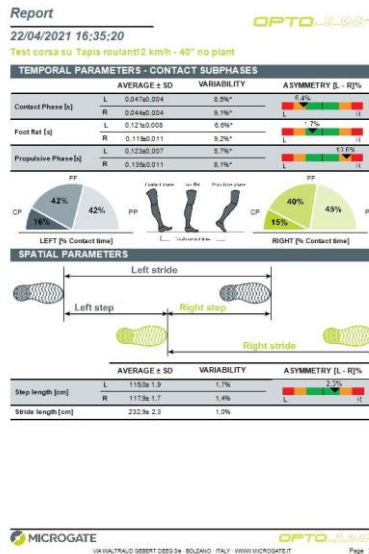
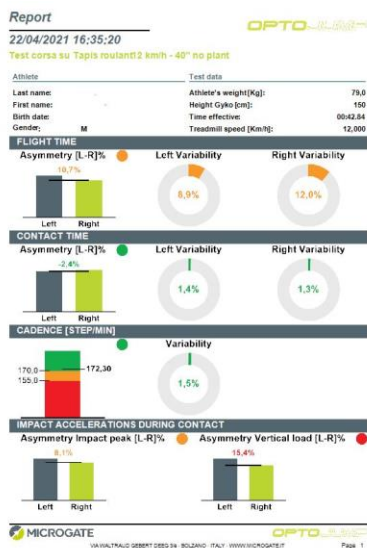


New parameter for jumping test

In addition to the data integrated by the inertial system, a new parameter, the Verticality parameter, has been included for jumping tests. This data quantifies the ability to develop the jump perpendicular to the ground. The value is calculated as the relationship between the jump elevation and the jumping point.

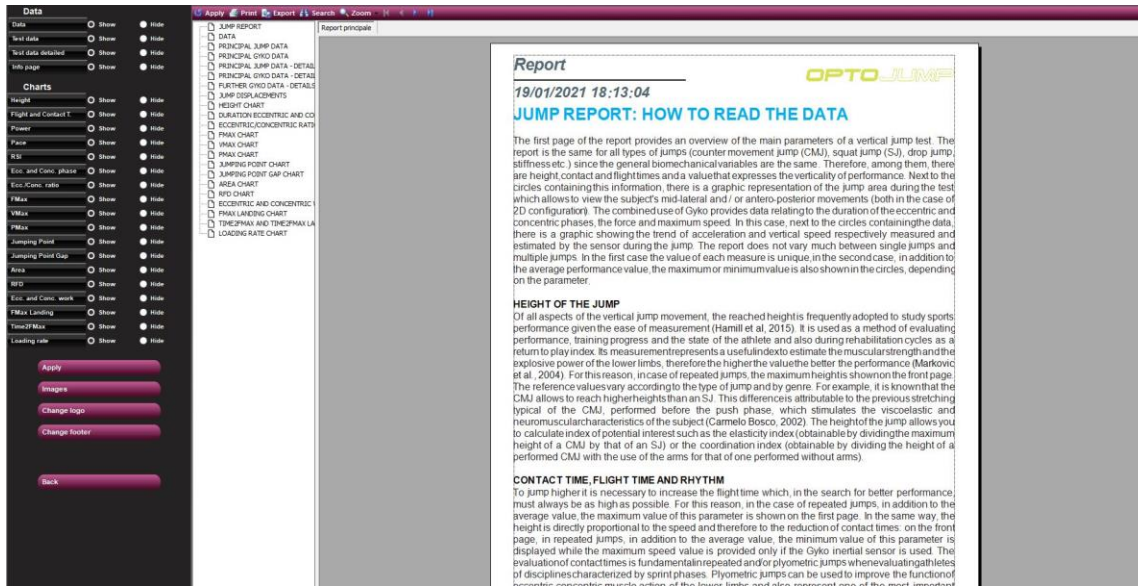
New reports

New look and feel for all types of tests (Swaying, Walking, Running, Jumping, Marching in Place) in order to facilitate reading and sharing with patients.



New Info page

For each kind of test performed (Swaying, Marching on the Spot, Walking, Running, Jumping), there is a guideline on how to read the various reports. In addition to a general introduction, it provides a first level of support to go into the topics related to movement analysis in greater detail — in fact, it contains interesting bibliographical references and points of open discussion — this content can be enabled or disabled with the specific flag that becomes available at the time of printing.



New Biofeedback layout

The principle of Biofeedback training is to make real-time information (feedback) about a person's behaviour that they are not usually aware of objective and visible to a person. Instead, by receiving this information, and aiming at a pre-defined goal, the subject during training learns to recognize and control it voluntarily by learning increasingly precise self-regulation.

Given the applicability and importance of this type of work in the rehabilitation, re-education and in some cases even preventive fields, we have improved its design.

By selecting the view by "absolute values" the software will also give access to the view by difference. In this mode the two Left and Right feet will be shown separately and the result of their behaviour identified on the reference target-graph.

