

WIVA SCIENCE + Protocol JUMP (analisi del salto e della esplosività)



Wiva® + Protocol Jump is an innovative and complete solution for the analysis of the explosive strength of the lower limbs during the vertical jump tests on the spot (Bosco test).

It is based on the use of inertial sensors and on the wireless transmission via Bluetooth of the acquired data that are displayed in real time on the PC with BIOMECH® STUDIO Program (and soon also on APP for smartphones / tablets)

It can be used in any environment (indoor / outdoor) and on any surface (sand, grass, snow...).

The following internationally recognized tests are evaluated:

- Jumping with counter movement CMJ
- Squat jump SJ
- CMJ jumps (repeated variable duration)
- Stiffness test
- Drop Jump

Returned results:

- Share of the jump (m)
- Flight time (s)
- Maximum speed (m / s)
- Maximum force (N / kg)
- Muscular work (J / kg)
- Muscle power (W / kg)
- Fatigue index
- Reactivity index
- Index of muscle-tendon stiffness