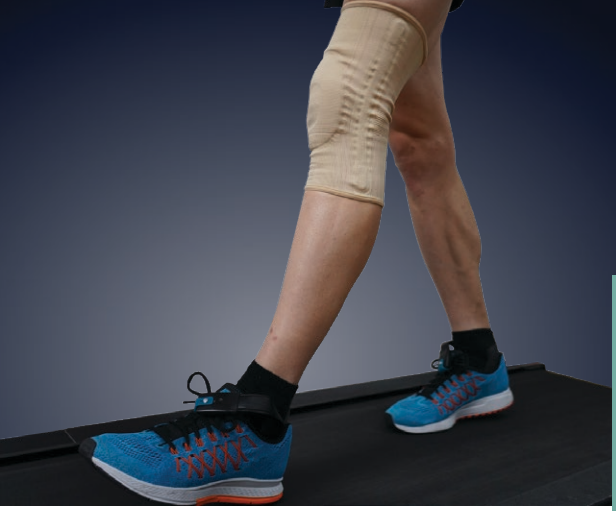

novel

loadsol®

in back-to-sports training

Load assessment for return to sport post-injury

Use loadsol® to achieve **sport-specific** feedback to regain **control and balance** through **real-time dynamic** in-shoe force measurement.

Get **direct feedback** on an athlete's reaction time, speed, strength and balance and reduce potential **re-injury** by measuring foot loading.

loadsol® key benefits for sports scientists:

- record and monitor extremity loads accurately and reliably using novel's high quality standards
- gain insights on performance values like loading rate, impulse, symmetry, or peak forces remotely via cloud sharing
- measure training in any environment via the simple interface
- synchronize with motion analysis systems via TTL using loadsync

Application package

Utilized system and software

Insoles:
6 x loadsol® of each size + Measurement: **loadapp** + Evaluation: **loadpad Analysis**

For complete assessment and evaluation we recommend 6 pairs of loadsol® in various sizes and the loadpad® analysis software to comprehensively evaluate the athlete's progress.

References and publications

Published literature using the loadsol® for monitoring of athletic performance

Force sensing to predict kinetic knee symmetry during a stop jump
Journal of Biomechanics (Queen, R. M. et al., 2019).

Landing biomechanics deficits in ACL reconstruction patients
Journal of Orthpedic research (Queen, R. M. et al., 2022).

Accuracy and precision of loadsol insole force-sensors for biomechanical running parameters
Journal of Sports Science (Schwirtz, A. et al., 2018).

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