



Dynamic load mapping for movement evaluation

pedar® key benefits for biomechanists:

- measure in-shoe pressure in high resolution using pedar®'s elastic and highly flexible insole in any footwear
- analyze static and dynamic pressure, and extend the measurement with pedarpad for dorsal assessments
- gain kinetic information about movement patterns and synchronize pedar® with other systems like 3D motion capture system, EMG, etc. for complete motion analysis

pedar®

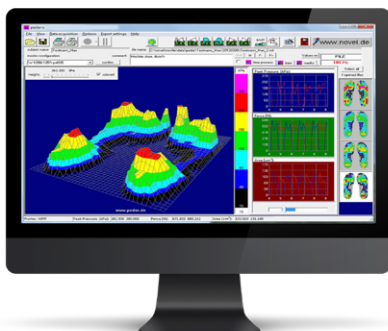
for in-shoe performance

Use pedar® for **local load distribution** measurement to optimize performance and comfort for all daily activities.

Ensure **optimal force transmission** by capturing the interaction between foot, footwear and ground in high local resolution.



Application package



The recommended system includes: 5 pair of insoles (different sizes), plidar electronics and pedar software.



Get it on
Windows 11



Download on the
App Store

References and publications

Published literature showing the applicability of pedar® for kinetic movement analysis



External Feedback during Walking Improves Measures of Plantar Pressure in Individuals with Chronic Ankle Instability

Gait and Posture (Torp, D. M. et al., 2018)



Effects of footwear on plantar load distributions in American football

Sports Biomechanics (Ford, K. R. 2017).



Weight transfer analysis in adults with hemiplegia using ankle foot orthosis

Prosthetics and Orthotics International (Nolan, K. et al., 2011)

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