



## loadsol®

*Enhance Rehabilitation &  
Injury Prevention*

# In-shoe load monitoring and optimize return-to-play

### loadsol® key benefits:

- **Real-Time Plantar Force Monitoring:** Capture dynamic loads on a player's feet during typical football movements such as jumps, direction changes, accelerations, and stops without altering their natural movement.
- **Detect Limb Loading Asymmetries:** Utilize performance diagnostics to track recovery progress, ensuring players can safely handle pre-injury loads and reducing the risk of re-injury.
- **Quantify ACL Injury Recovery Progress:** Track load parameters and restore symmetric loading post-injury.
- **Integrate Easily into Daily Rehabilitation Practice**

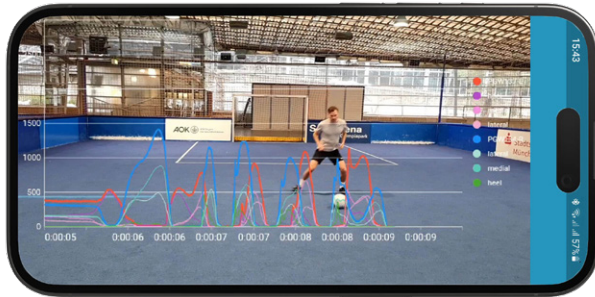
Use loadsol® to reduce injury risks by assessing foot load dynamics during various football drills.

Utilize loadsol data to **optimize the training approach, detect risks of injury and ensure faster and safer return-to-play.**



## Why loadsol?

**Put the insole in your football boot and start your measurement  
in less than a minute!**



### Why choose loadsol?

- **Thin, Light & Comfortable (Only 2.3 mm thick)**
- **Wireless Bluetooth® Connection**
- **Immediate Biofeedback via Mobile App (loadapp)**
- **Validated Accuracy in Movement Analysis**

## References and publications

### **Validity and Repeatability of Single-Sensor loadsol Insoles during Landing**

Sensors (Robin M. Queen et al., 2018).

### **Evaluating Gait with Force Sensing Insoles 6 Months after Anterior Cruciate Ligament Reconstruction: An Autograft Comparison**

Journal of Medicine & Science in Sports & Exercise (Rachel E. Chernelstein et al., 2025).

### **The Reliability and Validity of the loadsol® under Various Walking and Running Conditions**

Sensors (Renner K. E. et al., 2019)

novel GmbH (Global, GER)  
Ganghoferstrasse 68b, 80339 Munich  
tel: +49 (89) 417767-0  
e-mail: [info@novel.de](mailto:info@novel.de)  
web: [www.novel.de](http://www.novel.de)

novel electronics inc. (North America)  
3367 Babcock Blvd, Suite 101  
Pittsburgh, PA 15237  
tel: +1 (412) 755-0200  
e-mail: [novelinc@novelusa.com](mailto:novelinc@novelusa.com)  
web: [www.novelusa.com](http://www.novelusa.com)