



Pressure optimization of diabetes footwear

pedar® key benefits for shoe maker:

- measure in-shoe pressure in any custom made shoe for diabetes with reliable and precise sensors
- screen the contact area between foot and shoe or inlay with individually calibrated sensors
- receive a full report within seconds to analyze the effect of the shoe and plan further support or adaptations

pedar®

for diabetes foot care

Use pedar to **evaluate custom-made footwear** and insoles and **prevent symptoms of foot pathologies**.

Utilize pedar system to measure **absolute pressure values** and **compare** them to **thresholds** according to the current scientific best practise to **easily optimize footwear**.



References and publications

Validity of pedar

Price et al. Validity and repeatability of three in-shoe pressure measurement Systems. Gait & Posture 46 (2016) 69–74

Theoretical Background

Owings et al. Plantar pressure in diabetic patients with foot ulcers which have remained healed DOI: 10.1111/j.1464-5491.2009.02835.x

Practical application

A guide to “facilitate more uniform decision making in the prescription and manufacturing of adequate shoes” *

*Bus, SA, Zwaferink, JB, Dahmen, R, Busch-Westbroek, T. State of the art design protocol for custom made footwear for people with diabetes and peripheral neuropathy. Diabetes Metab Res Rev. 2020; 36(S1):e3237 Doi: 10.1002/dmrr.3237

System components and details



The recommended system includes: 5 pair of insoles (different sizes), pedar analyzer and pedar recorder Software.

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