



pedar[®]

Leading system for in-shoe measurement.

In-shoe pressure sensors

pedar[®] enables the analysis of the **interaction between the foot and the shoe** at highest quality and precision levels.

Use the system for **in-shoe pedography** and collect reliable pressure and load distribution data.

pedar[®] key features:

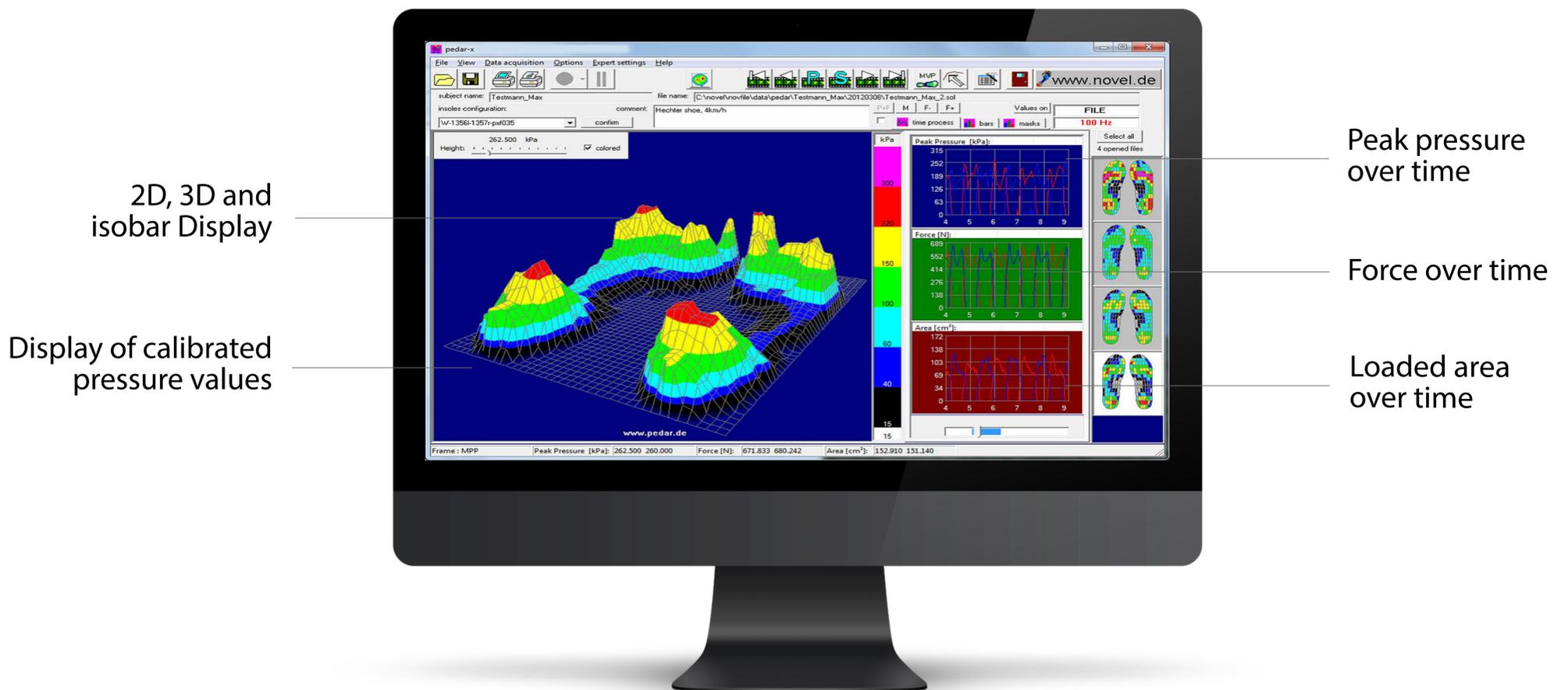
- measure in-shoe pressure in a free moving environment with reliable and precise sensors
- scan the complete contact area with individually calibrated sensors that cover 99.5% of the contact area between foot and shoe
- analyze interaction between the foot and the shoe in real-time
- compare effect of adjustments within seconds (e.g. shoe inlays, gait parameters, etc.)



Technical information



pedar® software features



novel GmbH (Global, GER)
 Ismaninger Str. 51, 81675 Munich
 tel: +49 (89) 417767-0
 e-mail: sales@novel.de
 web: www.novel.de

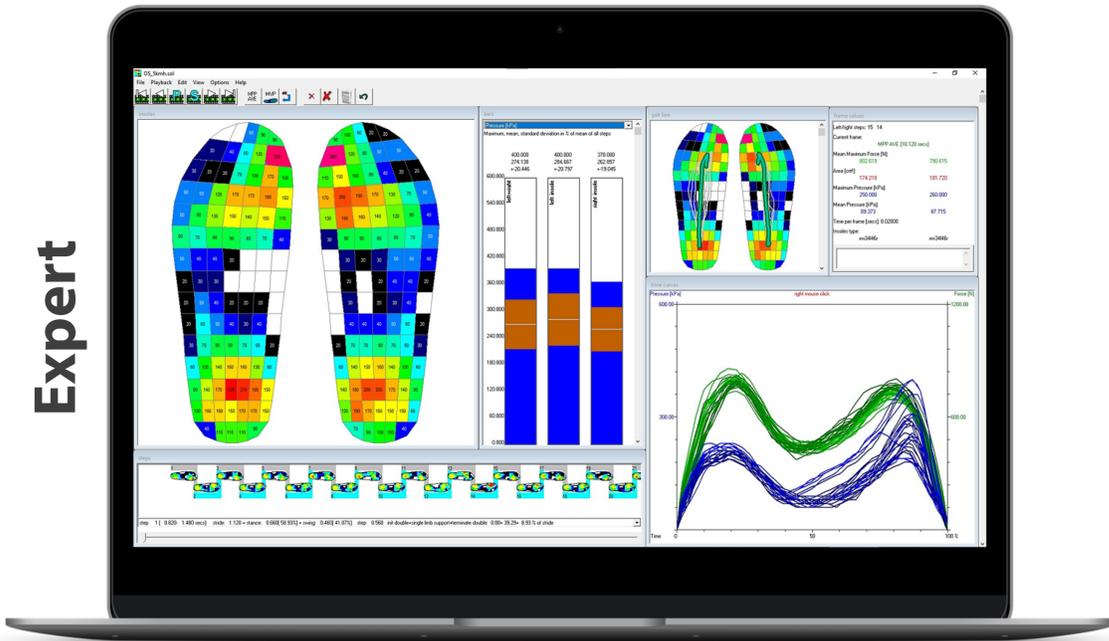
novel electronics inc. (North America)
 964 Grand Avenue St. Paul, MN 55105
 tel: +1 (651) 221-0505
 e-mail: novelinc@novelusa.com
 web: www.novelusa.com

Software packages

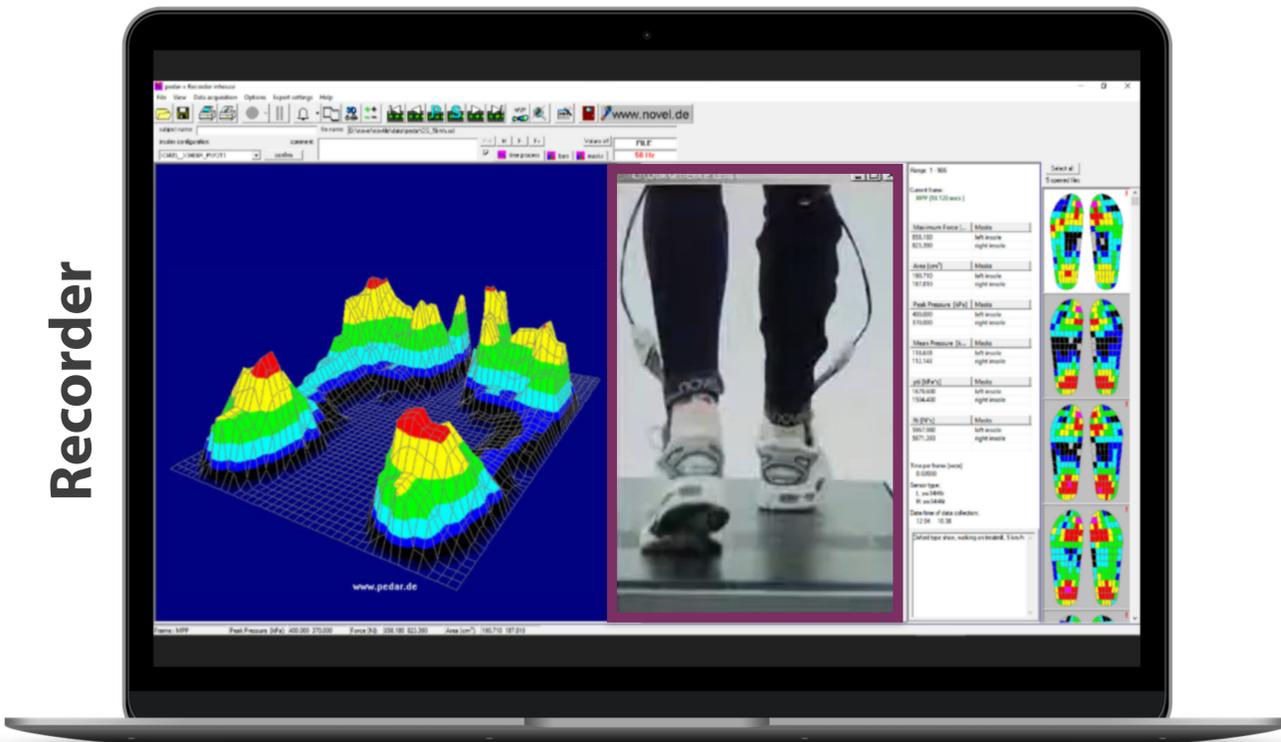
Standard



Expert



Recorder



Software suite	Standard
Pressure distribution measurement	✓
Step analysis	✓

Software suite	Expert
Pressure distribution measurement	✓
Step analysis	✓
Custom zone definition	✓
ASCII output	✓

Software suite	Recorder
Pressure distribution measurement	✓
Step analysis	✓
Custom zone definition	✓
ASCII output	✓
Record video	✓

novel GmbH (Global, GER)
 Ismaninger Str. 51, 81675 Munich
 tel: +49 (89) 417767-0
 e-mail: sales@novel.de
 web: www.novel.de

novel electronics inc. (North America)
 964 Grand Avenue St. Paul, MN 55105
 tel: +1 (651) 221-0505
 e-mail: novelinc@novelusa.com
 web: www.novelusa.com

buttonsens®

Quantifying fingertip forces

buttonsens® enables the quantitative analysis of **finger forces** and **dexterity**.

The textile sensor can be utilized to **detect forces** when pushing a **button** or any other finger-object interaction.

emed®

Accurate & reliable foot analysis

emed® enables the analysis of the barefoot at highest quality level.

Easily scan the **pressure distribution** and get a reliable and accurate **analysis of the foot function**.

loadpad®

Soft-object force measurement

loadpad® enables the effortless measurement of forces on contact areas and interfaces.

Utilize the mobile, wireless and versatile sensors to **analyze contact forces** between objects accurately and reliably.

loadsol®

Truly wireless load measurement

loadsol® II enables truly wireless in-shoe force measurement **now** in **any environment** and with **any movement**.

Capture the interaction between foot and ground **accurately, effortlessly,** and with **flexibility**.

pliance®

Accurate surface pressure analysis

pliance® enables the measurement of force- and **pressure** distribution between **3D-deformed interfaces**.

Utilize pliance to analyse pressure on **seats, saddles, mattresses** and any other soft or hard object.

texsens®

Unobtrusive low pressure sensing

texsens® enables the analysis of local pressures between soft interfaces (e.g. between skin & textiles).

Use texsens to precisely quantify pressure and **optimize your wearable products** or **garments**.