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emed®
Accurate & reliable foot analysis

Barefoot pressure platform

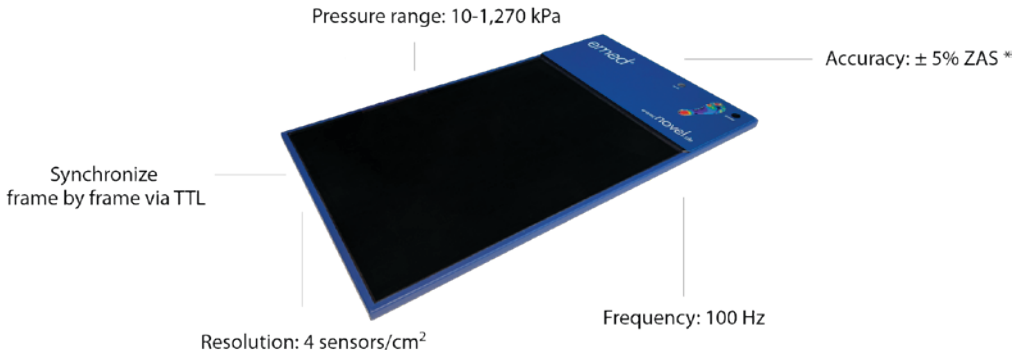**emed®** enables the analysis of the barefoot at highest quality level.

Easily scan the **pressure distribution** and get a reliable and accurate **analysis of the foot function.**
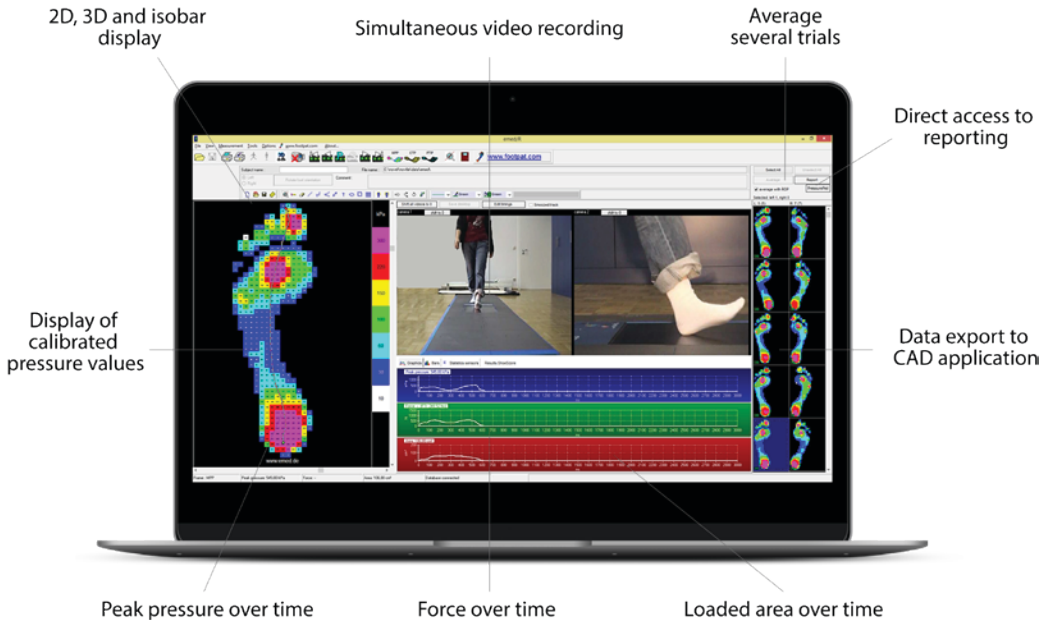
Key features provided by emed®:

➢ collect pressure and force data during static & dynamic movements like balance, walking, running and more

➢ work with reliable, individually calibrated, capacitive sensors

➢ quickly integrate the platform in your lab or medical environment and sync with other systems

➢ create pre-defined reports for multiple applications within seconds, automatically

Pressure range: 10-1,270 kPa

Accuracy: ± 5% ZAS *

Synchronize frame by frame via TTL

Resolution: 4 sensors/cm^2

Frequency: 100 Hz

emed® software features

2D, 3D and isobar display

Simultaneous video recording

Average several trials

Direct access to reporting

Display of calibrated pressure values

Data export to CAD application

Peak pressure over time

Force over time

Loaded area over time

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We offer two different emed models.

Choose depending on size to meet your space requirements and synchronization options to meet your lab setup requirements

Technical data	emed® q	emed® xl
pressure range	10 - 1,270 kPa	
dimensions in mm (height incl. cover)	700 x 403 x 15.5 18	1,529 x 504 x 21 18
sensor area (mm)	475 x 320	1,440 x 440
# of sensors	6,080	25,344
Resolution (sen/cm²)	4	4
frequency (Hz)	100	100
*Accuracy (% ZAS)	± 5	± 5
temp. range (°C)	15 - 40	15 - 40
synchronization	sync-out pulse at first contact	sync-out/in

All platforms measure accurate, calibrated pressure, force, and contact area. Additionally, the emed-xl collects spatiotemporal parameters.

*ZAS: Zero at start

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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.

loadpad®
Unobtrusive low pressure sensing

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® 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**.

pedar®
Leading system for in-shoe measurement

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.

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 **garmets.**