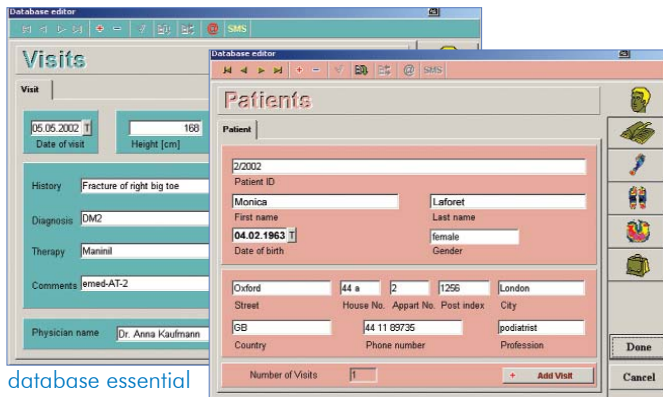


database essential is designed to manage demographic and pressure data parameters in an easy and user-friendly way. It consists of various tables such as patient data, visit data, emed<sup>®</sup>, pedar<sup>®</sup> and pliance<sup>®</sup> data, user files and calculated parameters. database essential supports access to all novel programs including to the novel foot reports.

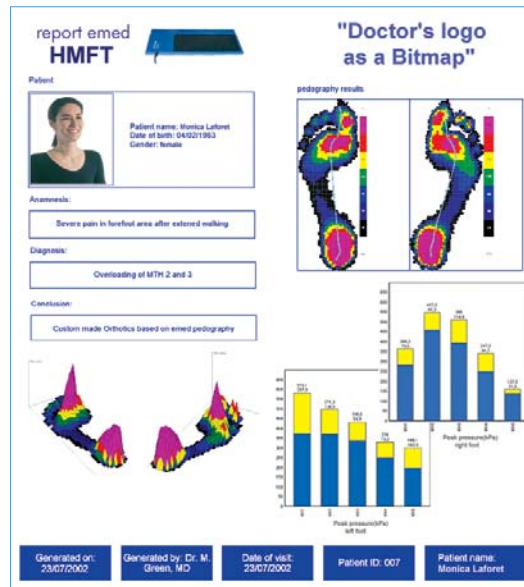


database essential

**Features:**

- manages basic patient data, text files, images and video data of patients
- performs complex database search (any combination of data fields can be searched by specifying conditional requests)
- initiates data acquisition
- calculates basic predefined parameters (peak pressure, maximum force, contact area, contact time)
- integrates emed<sup>®</sup>, pedar<sup>®</sup>, pliance<sup>®</sup> and multimedia data
- provides access to novel report system
- allows access to all installed novel analysis software
- imports/exports ASCII data

The novel foot report software provides automatic analysis of the pedography measurement in report form. The standard report includes analysis of parameters in several defined foot regions. The pedography result report is available in html format and can be sent via internet and viewed with internet browsers. A conventional hardcopy is also possible. Medical speciality versions are available according to specific pedography requirements.



foot report

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All systems from novel operate with high quality, calibrated sensors and provide reliable and reproducible long term measurements. pedograph<sup>®</sup>, emed<sup>®</sup>, pedar<sup>®</sup>, pliance<sup>®</sup>, triblu<sup>®</sup> and the novel logo (colored foot) are the registered trademarks of novelgmbh © 1992-2008



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emed-at\_engV3\_2207/2008\_NL

emed<sup>®</sup>-at and emed<sup>®</sup>-m pedography platforms are accurate electronic systems for recording and evaluating pressure distribution under the foot in static and dynamic conditions.

**emed<sup>®</sup> pedography systems**

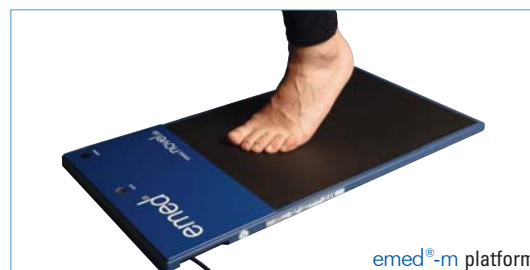
The emed<sup>®</sup> systems belong to the family of novel pedography measurement platforms. The systems function, as all the scientific emed<sup>®</sup> platforms, with calibrated capacitive sensors.

**Features of emed<sup>®</sup>-at and emed<sup>®</sup>-m:**

- require Windows operating systems
- accurately measure foot pressure and body weight in static and dynamic mode
- start recording automatically when the subject's foot contacts the platform
- start from novel databases
- link with novel foot report software

**Technical data for the emed<sup>®</sup> platforms:**

	at	m
dimensions (mm)	610 x 323 x 18	610 x 323 x 18
sensor area (mm)	389 x 226	395 x 240
number of sensors	1,760	3,792
resolution (sensors/cm <sup>2</sup> )	2	4
frequency (Hz)	25/30	50/60
pressure range (kPa)	10 - 1,270	10 - 1,270
pressure threshold (kPa)	10	10
accuracy (% ZAS)	± 7	± 5
hysteresis (%)	< 3	< 3
temperature range (°C)	10 - 40	10 - 40
max. total force (N)	110,000	120,000
cross talk (db)	- 40	- 40
cable length (m)	5	5



emed<sup>®</sup>-m platform

The emed<sup>®</sup> software collects and displays the plantar pressure measurement from the emed<sup>®</sup> platforms. The emed<sup>®</sup> software is available in various versions and links with all novel scientific software packages.

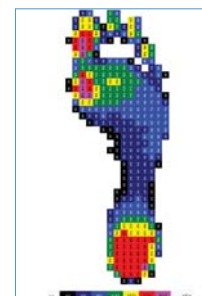
**emed<sup>®</sup> basic software:**

- measures and records foot pressure in static and dynamic mode
- displays calibrated pressure values
- displays foot roll-over frame by frame
- generates maximum pressure picture (MPP)
- displays force/time curve
- prints screen hardcopy

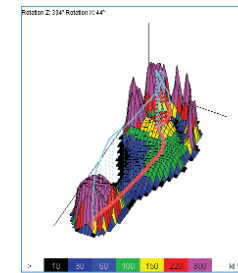
**Additional emed<sup>®</sup> software versions:**

**emed<sup>®</sup>-D software includes:**

- emed<sup>®</sup> basic plus:
- displays gaitline (center of pressure)
- displays pressure/time, force/time and contact area/time curves
- may be started from the included database novel db essential that imports and exports ASCII basic patient data
- prints pressure picture in 1:1 original size with accurate pressure values for every sensor element



1:1 print out



3D picture

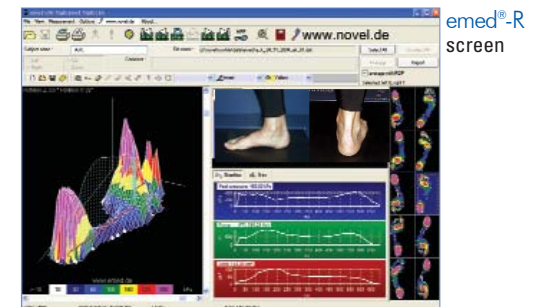
- displays 3D dynamic roll-over process in color
- superimposes 3D gaitline/force curve
- displays isobar picture

**emed<sup>®</sup>-E software includes:**

- emed<sup>®</sup>-D plus:
- provides audio system ready cue
- allows bi-directional measuring
- names and stores data automatically
- allows comment input
- displays overview of up to 10 MPPs with automatic left and right foot recognition
- measures foot length and width
- shows force-time integrals
- provides toolbar for graphical editing
- averages multiple footprints
- allows direct access to clinical foot reporting system

**emed<sup>®</sup>-R software includes:**

- emed<sup>®</sup>-E plus:
- captures up to 3 video cameras synchronously
- displays and stores pressure and video synchronously as one combined file



emed<sup>®</sup>-R screen