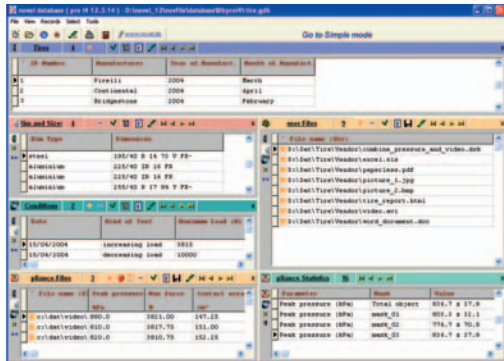


This scientific software for user defined pressure distribution analysis includes

novel database pro-i

SQL database, designed according to the users needs, contains e.g. tire types, loading conditions, pressure distributions and additional files like drawings and HTML files.

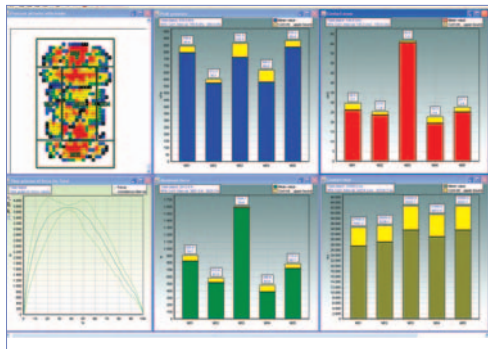


It connects to all novel software packages for scientific data analysis.

novel multimask

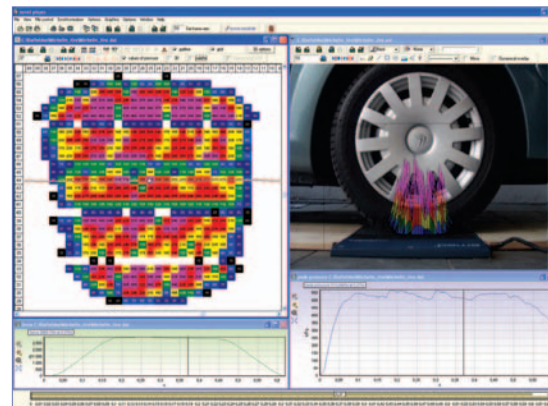
Parameter analysis in selected areas

- peak pressure, average pressure
- force and force-time-integrals
- center of pressure, contact area



Features of pliance-ttx

- each sensor calibrated
- low hysteresis
- durable
- highly dynamic
- approved for industrial use
- USB connected
- synchronized video recording
- comprehensive data analysis
- ASCII output
- trigger input and output
- user friendly



novel_{gmbh} (Germany) • Ismaninger Str. 51 • D-81675 Munich
 Tel: (+49) 89-41 7767-0 • Fax: (+49) 89-41 7767-99
 e-mail: novel@novel.de

novel_{electronics} inc. (USA) • 964 Grand Avenue • St.Paul, MN 55105
 Tel: (+1) 651-221 0505 • Fax: (+1) 651-221 0404
 e-mail: novelinc@novel.de

novel_{gmbh} (Great Britain) • e-mail: noveluk@novel.de
www.novel.de

pliance-ttx

pressure distribution measuring system



www.novel.de



The pliance-ttx system was developed to measure pressure distribution at the contact area of a tire. Due to the design of the platform passenger vehicle tires as well as larger truck tires can be tested.

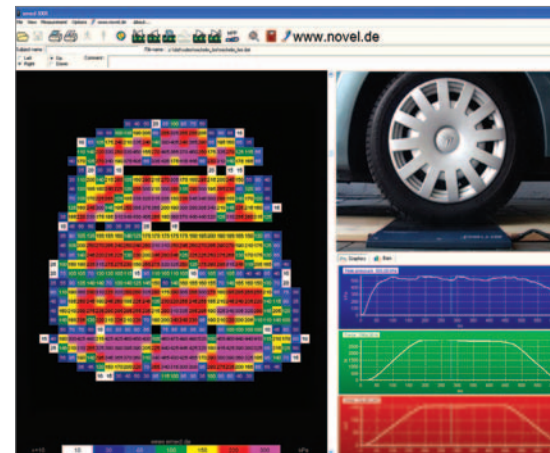
The capacitive sensor technology by novel is the most accurate and reliable measurement tool for this application since all the sensors are individually calibrated and stable over the long-term. The pliance-ttx system includes software and system support as well as tailored measurement specifications.

pliance ttx platform

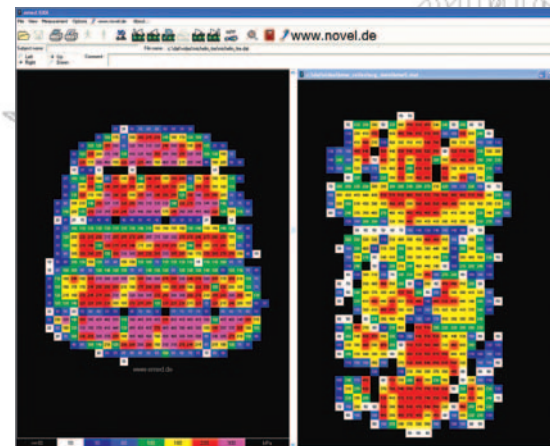
sensor area	475 x 320 mm ²
resolution	4 or 1 sensors/cm ²
frequency	100 or 400 Hz
measuring range	100-2,500 kPa
number of sensors	6,080
hysteresis approx.	± 5%
temperature range	10-40 °C
total force	376.000 N

pliance-ttx recorder software

- automatic or manual start of data acquisition
- dynamic measurement with selectable scanning rate
- display of absolute pressure value for each sensor

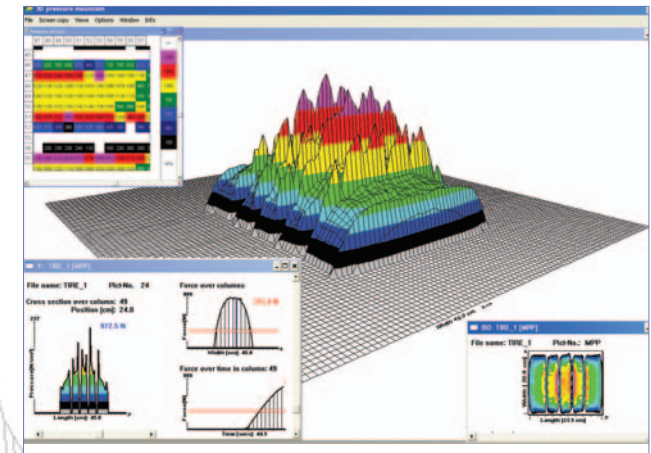


- synchronisation of pressure distribution measurement with video recording is possible
- comparison display for different measurements



pliance-ttx cross sections software

- longitudinal and transversal cross sections are displayed
- integrals are calculated



- display of force and area for sensors loaded above a selectable pressure threshold

