



Hegewald & Peschke
Meß- und Prüftechnik GmbH



LabMaster

Universal material and component testing software

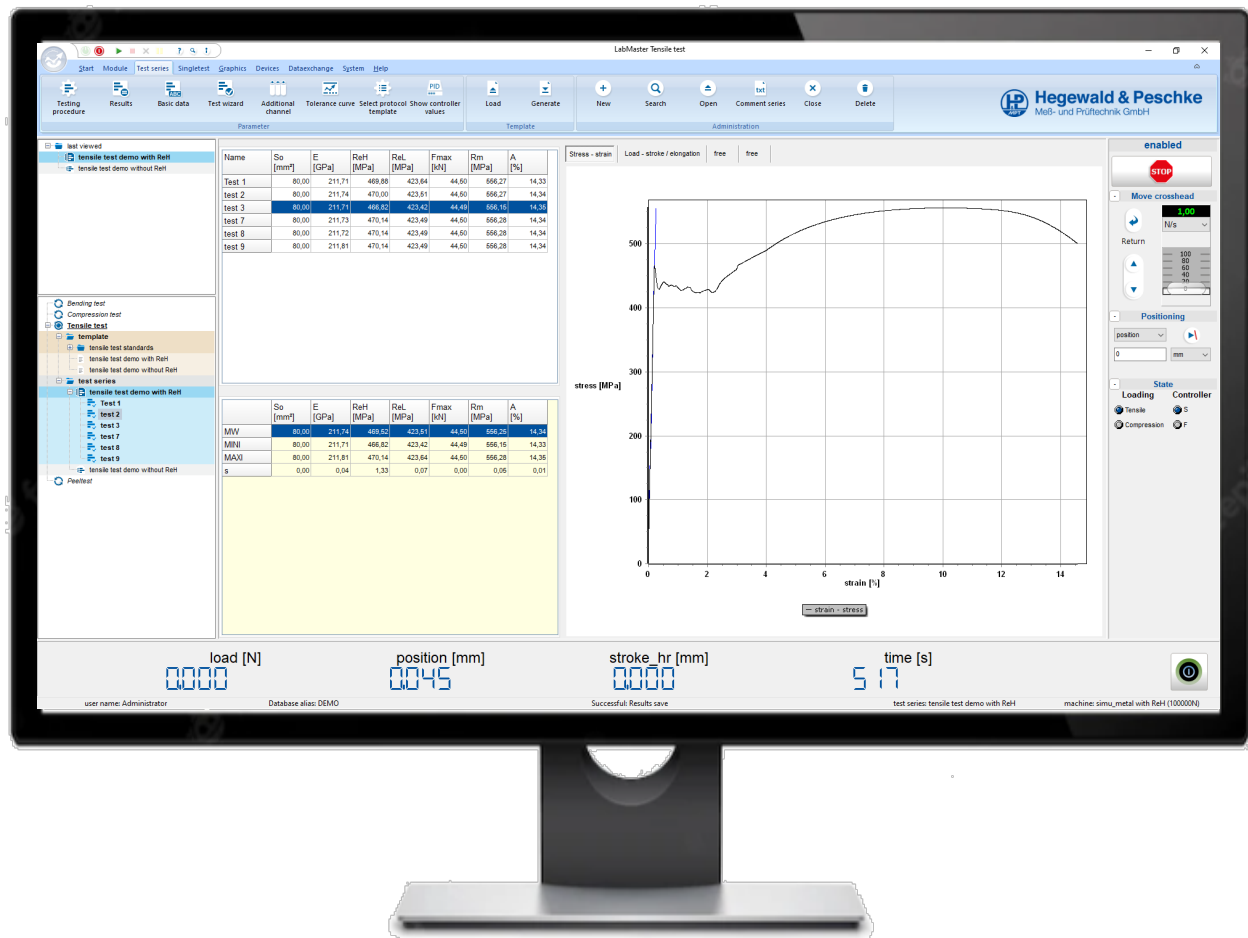


LabMaster is the universal material testing software from Hegewald & Peschke. It can be used in all areas of materials and component testing. Whether simple or complex testing tasks, whether standard-compliant or customer-specific, whether for day-to-day quality assurance or for research and development tasks: LabMaster offers everyone a user-friendly handling concept.

LabMaster features a clear Windows-based interface, allowing a quick test start. All important functions are available at a glance. Many other configuration options are provided in the background. Depending on the test task and the degree of complexity of the test, the display can be customized and options can be shown or hidden.

LabMaster is always supplied as complete software and contains all test modules and functionalities, including the comprehensive block program. With this tool, complex, freely definable test sequences can be set up independently. No programming knowledge is required: the commands are simply entered in menu windows and can be dragged and dropped into the correct sequence.

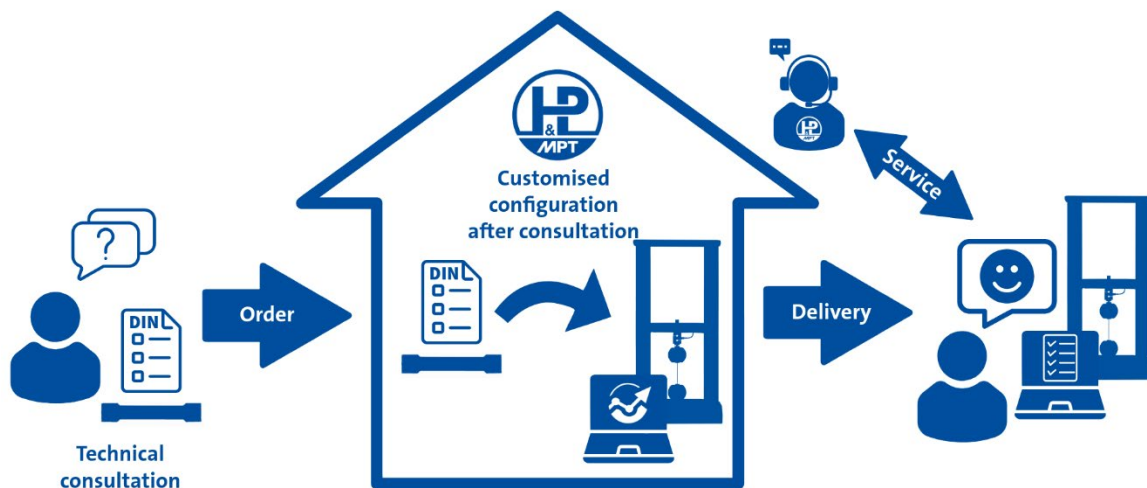
Our test assistant enables individual pre-configuration of test sequences and supports the user in the safe and correct execution of the test task. In addition to the defined work steps, test instructions, images and videos can be displayed to guide the operator from entering the specimen data to printing the report at the end of the test. This almost completely eliminates the risk of operating errors.



Tailored to your testing work

LabMaster is individually pre-configured for your test requirements, specimen standard or specimen. This means that after delivery and installation, we can concentrate on training you with the test system and answering your questions, and you are immediately ready to start testing on your own.

Making subsequent adjustments or adding new test standards is also no problem. Thanks to its open design, LabMaster offers you the option of a freely configurable test sequences. This means that you can generally make changes yourself without having to purchase additional modules. Our application support team will be happy to answer any questions you may have.



Efficient test processes thanks to flexible data handling

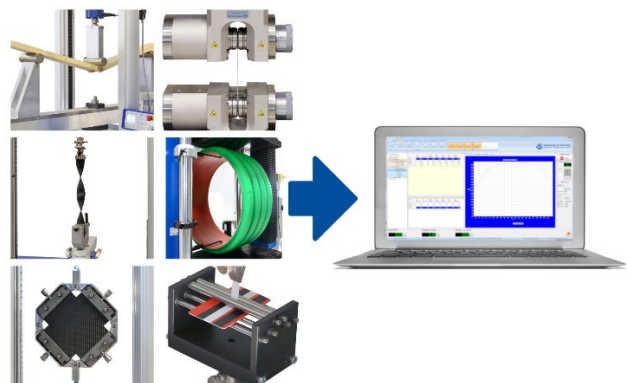
When exporting, the component or material test data can be written to the existing quality assurance system or to user-defined formats. The output of results and statistics in selected file formats as well as the storage of diagrams and real-time data in a configurable ASCII file are already included in the standard scope of LabMaster. Target systems can include SAP®, Microsoft Access®, Excel®, LIMS or customer-specific interfaces.

Complete solution for your testing tasks

LabMaster provides you with a complete software package including all test modules, so there is no need of purchasing additional standards. The appropriate modules can be easily selected from the integrated modular system and used to perform the following types of test, among others: Tensile tests, shear tests, compression tests, bending tests, pull-off tests, peel tests, separation tests, torsion tests, calibration tests.



The protocol editor also offers the option of preparing the data in LabMaster and integrating image formats.





All the advantages at a glance:

- ✓ **Maximum flexibility with a clear software interface and a wide range of functions**
 - + Independent updating, generation and configuration of standards and user-defined test specifications
 - + Unlimited number of standards can be created
 - + User interface adaptable to different degrees of complexity of test procedures
 - + Parameters, results and measurement channels can be created and used individually
 - + Uncomplicated integration of external devices and sensors and time-synchronized display in connection with standard measured values
 - + Output of analogue and digital signals for further processing
 - + User management with free selection of functions and password protection
- ✓ **Sustainable all-round no-worries package**
 - + LabMaster is upward and downward compatible
 - + No need for regular updates
 - + No additional purchase of test specifications necessary
 - + Free application support
- ✓ **Simple and intuitive operation**
 - + Ideal visualization of the test sequence with at least 2 real-time graphics and up to 4 independent graphics
 - + Simple and secure workflow design using the test assistant with checklists, images and videos
 - + Efficient solution for daily quality assurance work with standardized, standard-compliant and recurring test sequences
 - + Demo mode for training courses
 - + Simulation of tests incl. evaluation
- ✓ **Data handling made easy**
 - + Adjustment options in the data acquisition rate also allow tests to be carried out at higher frequencies
 - + High flexibility thanks to various options for data handling
 - + Connection to databases (SAP, QDAS, ORACLE), network structures, QA systems and other IT systems
 - + Backup-safe (SQL database can be stored in multiple locations)

Optional extension modules - customized solutions for special testing requirements

- **Multi-workplace system** for connecting several test workstations to a database stored in the network
- **Formula editor** for creating your own calculation rules
- **Video recording:** Functions for recording, saving and time-synchronised playback of video sequences of static or quasi-static tests
- **Extended data export** for entering data from component or material testing into the existing quality assurance system or into user-defined formats (e.g. QDAS)
- **Extended data import** for transferring data from an existing quality assurance system or from a user-defined source into the material testing software
- **Calibration** with specific test sequences and evaluations for the calibration of force measuring devices, load cells, scales, etc. as well as for validating the force measurement of the testing machine
- **Fracture mechanics** with evaluation methods specified in the ASTM 399 (KIC) and ASTM 1820 (J-R test) standards



Getting started with LabMaster –
the most important facts in 5 minutes