

## testXpert® III Testing Software

# Our Solutions for Your Requirements





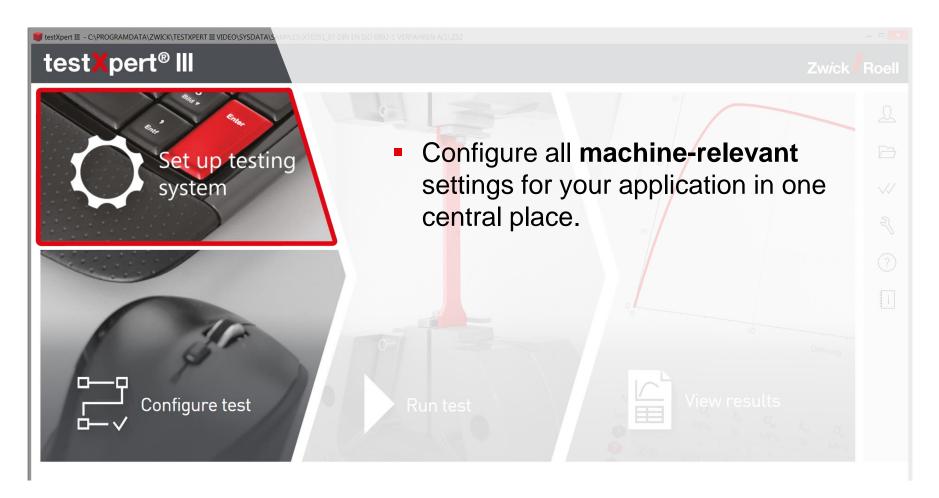


## ...is intuitive and workflow-based

## You need

Easy-to-operate testing software that prevents operator error?

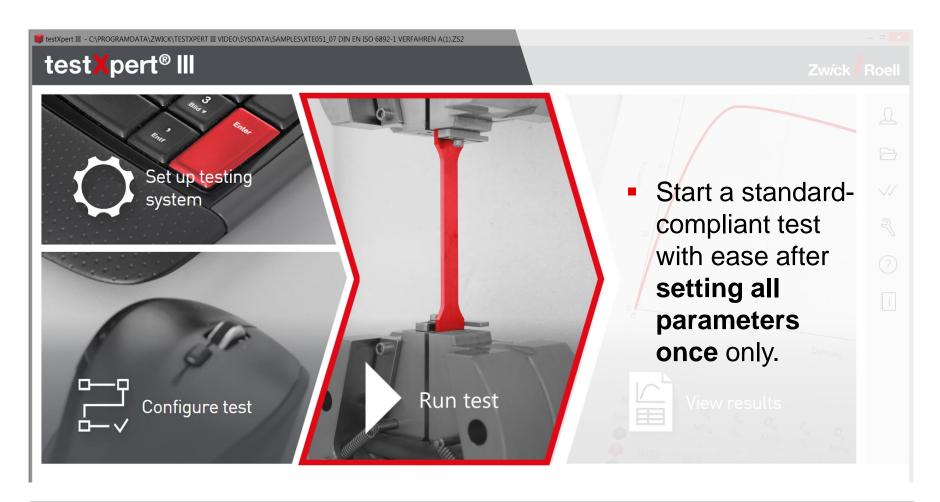










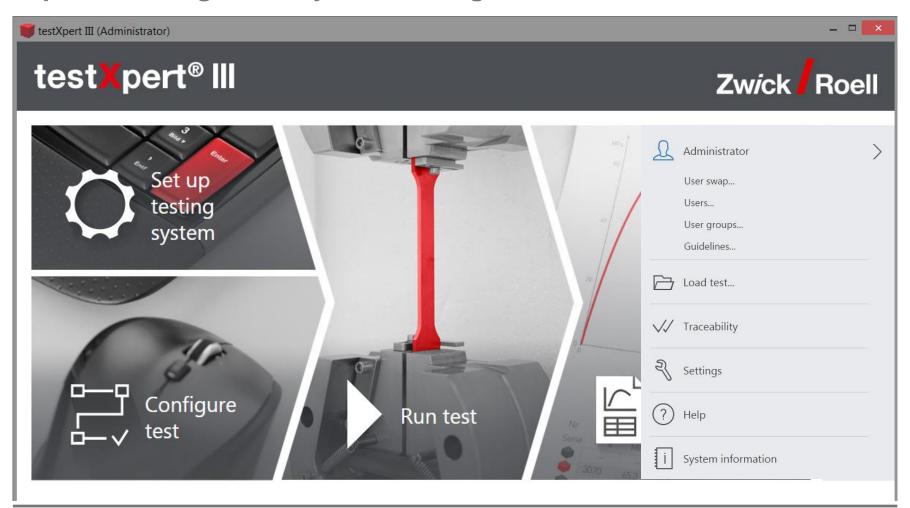






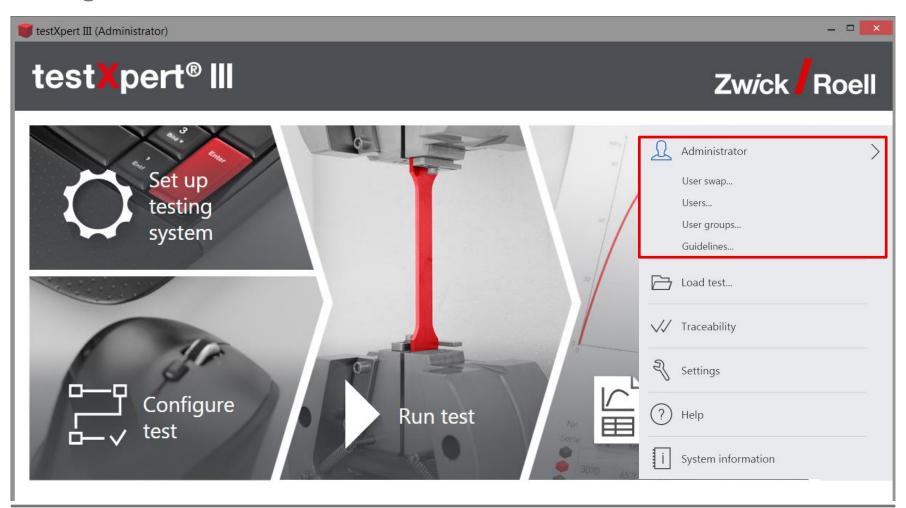


In testXpert III all test-relevant settings are logically grouped and kept separate from general system settings.



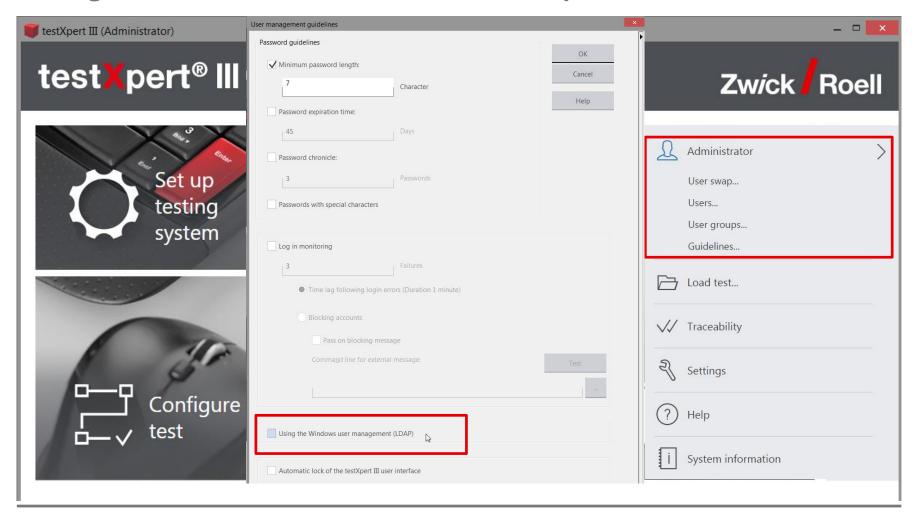


testXpert III is a role-based software with integrated user management.



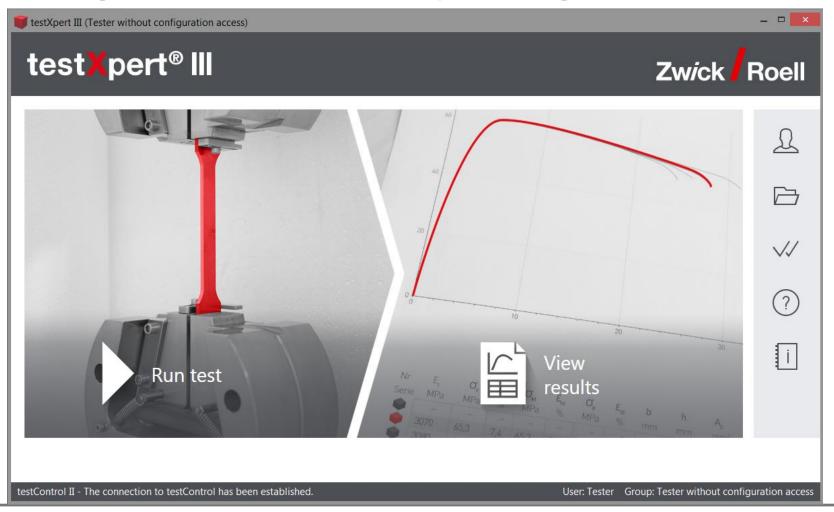


testXpert III is a role-based software with integrated user management. Use of Windows accounts is possible.



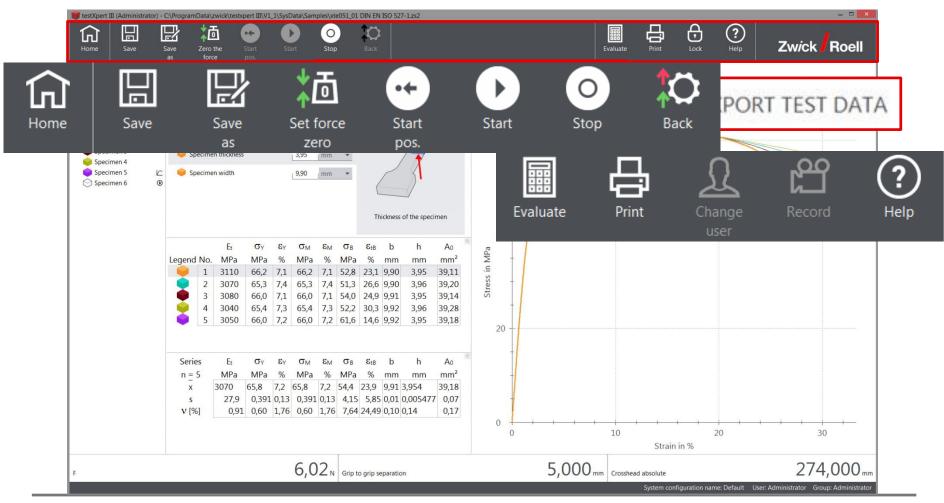


Users see only what is important to them and can focus on the task at hand right from the start. This keeps training time to a minimum.



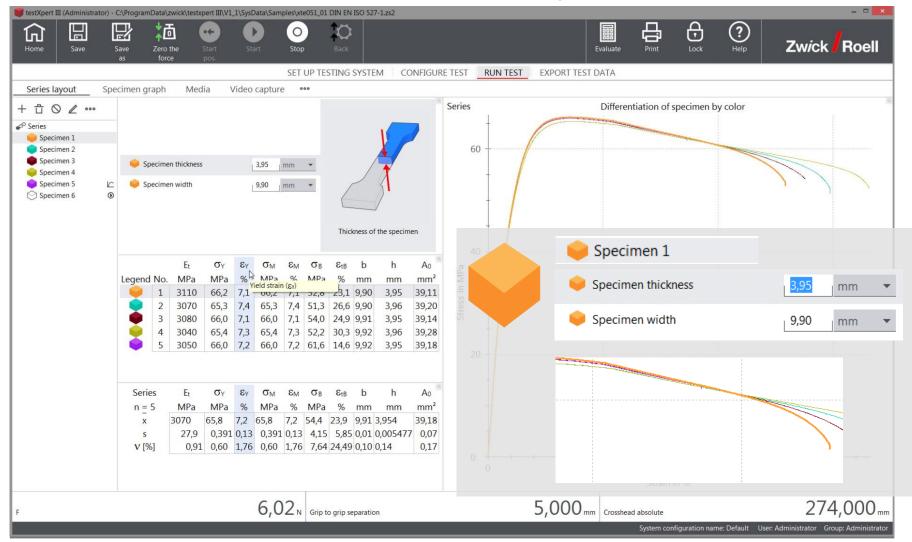


Navigate through each test in the same straightforward way. Expressive icons make it fast and easy to find what you need.



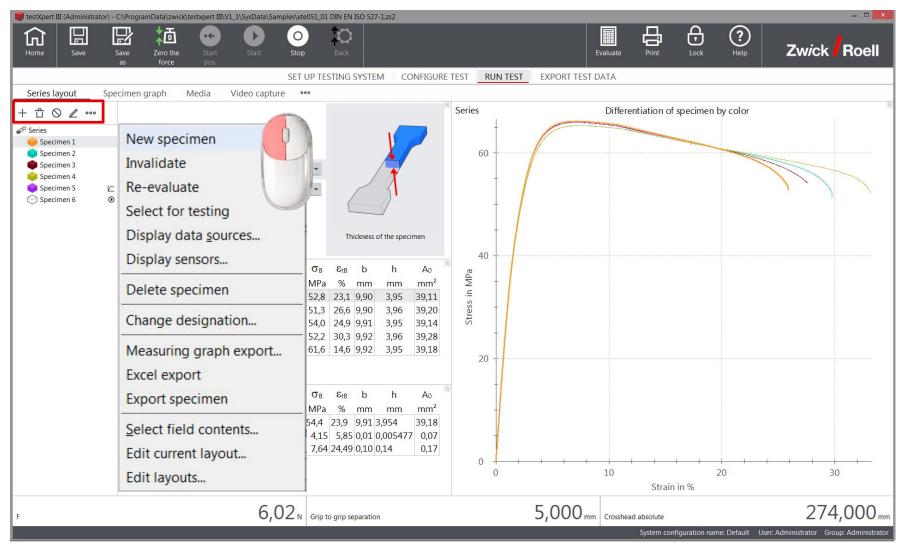


#### All related information is associated visually.



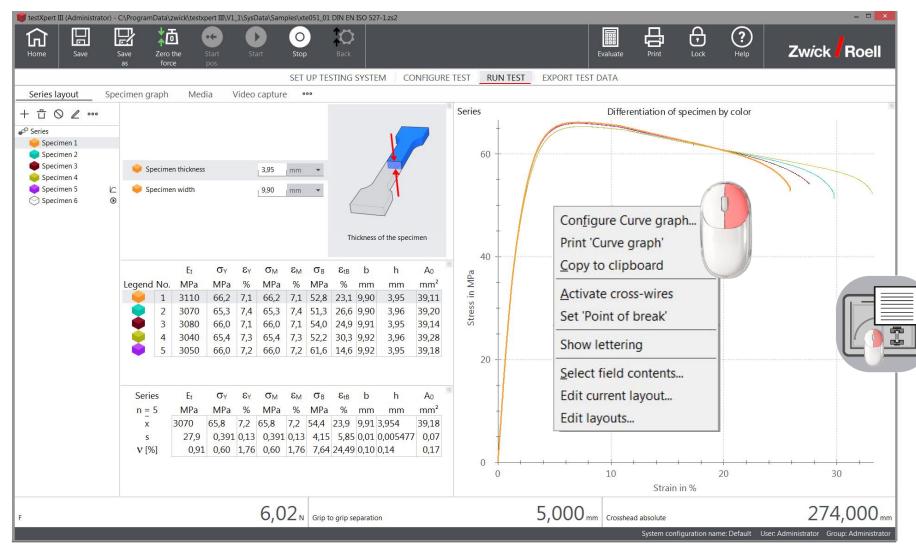


#### Additional functionalities are available via buttons if needed.



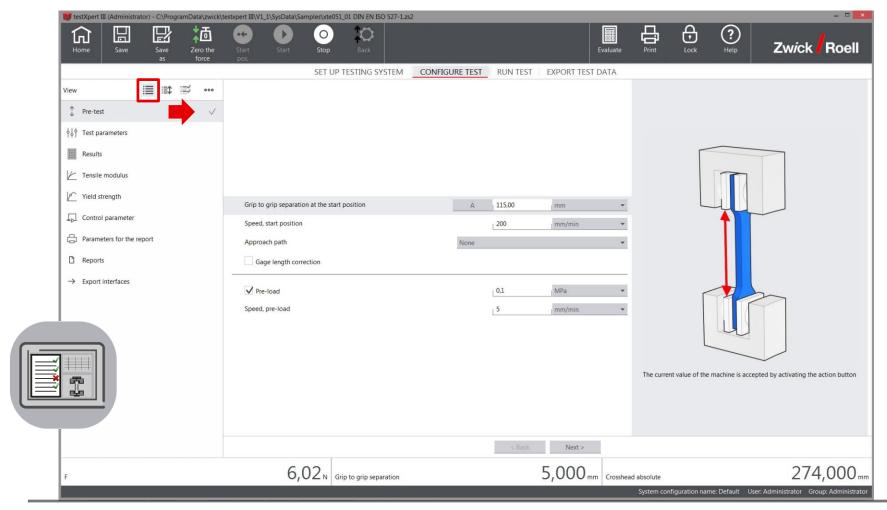


#### Additional functionalities are available via context menu if needed.



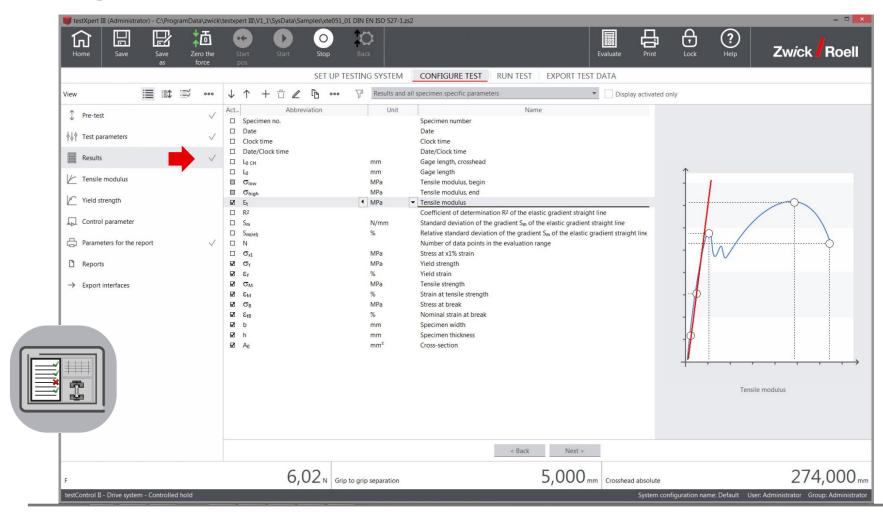


An intelligent wizard function enables easy and structured input of all test parameters and automatic verification of entries for plausibility.



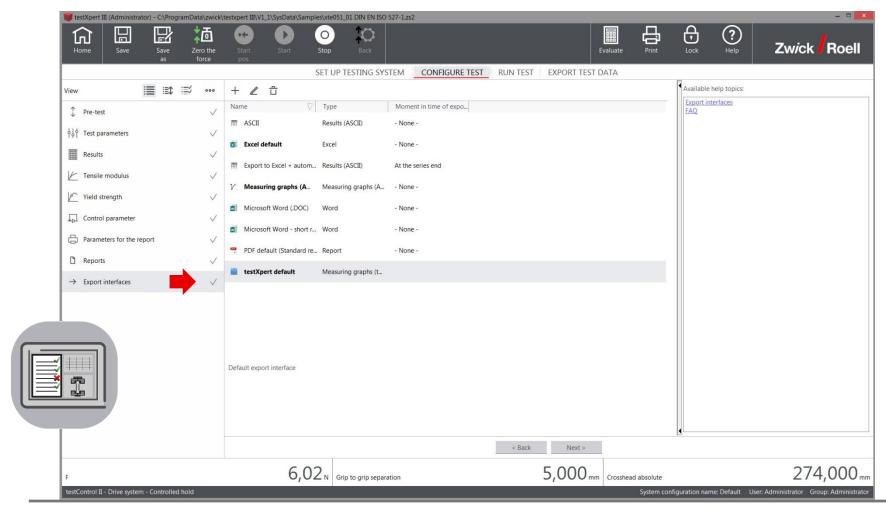


The intelligent wizard guides you systematically through the test configuration.



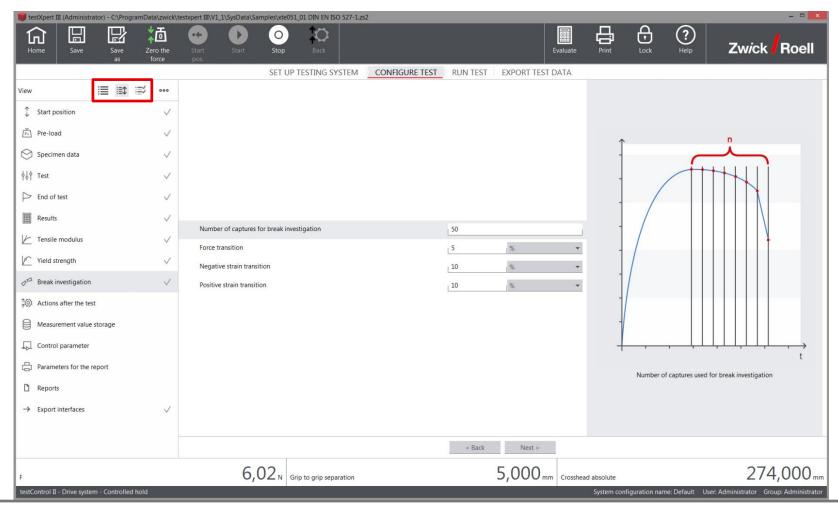


Once you set all the options and parameters you need for testing and exporting the test data, you're ready to start the test.





You can use the standard, expanded or even customized intelligent wizard for advanced adjustments.





## ... offers prepared standard tests

## You need

Fast performance and documentation of standardized test methods?



testXpert III contains over 600 Standard Test Programs, enabling you to find the right test program for almost any standard.

All parameters, results and the report are already pre-configured and conform to your industry's terminology.



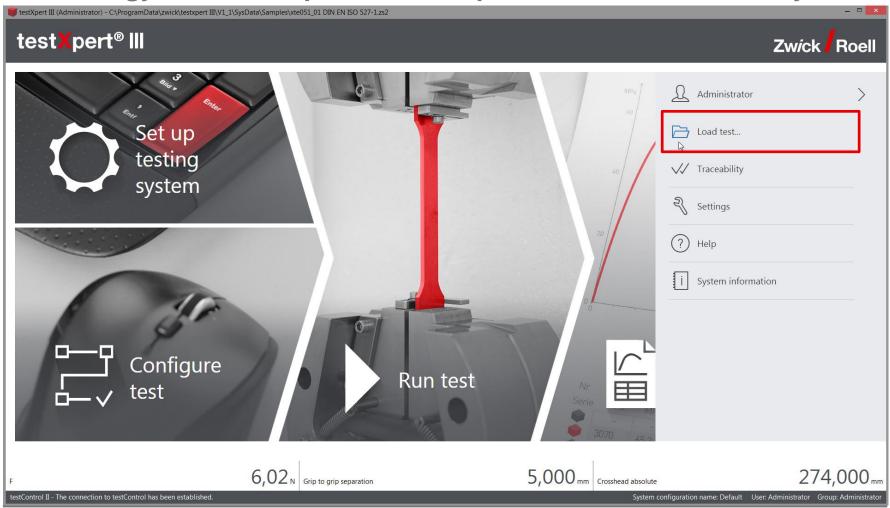






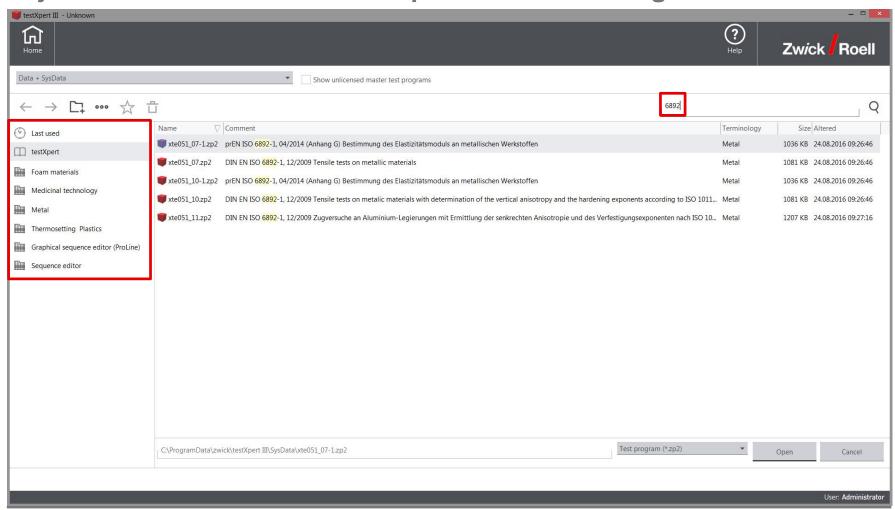


We understand our customers' industries. Special functions & terminology make testXpert III tests optimized for each industry.





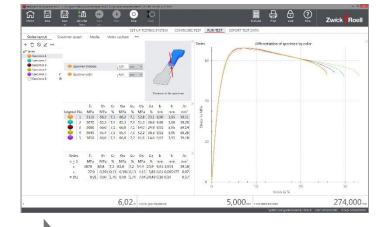
You can instantly start a Standard Compliant Test in your application in just a few seconds with the Open & Search dialog.





#### Standard-compliant testing can be as easy as that!



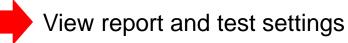




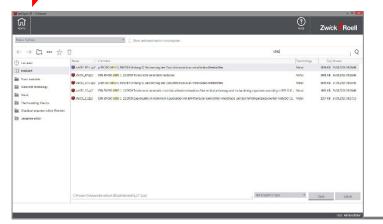
Open testXpert® III

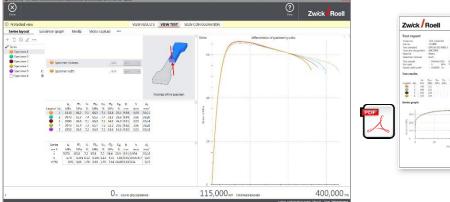


Load test program



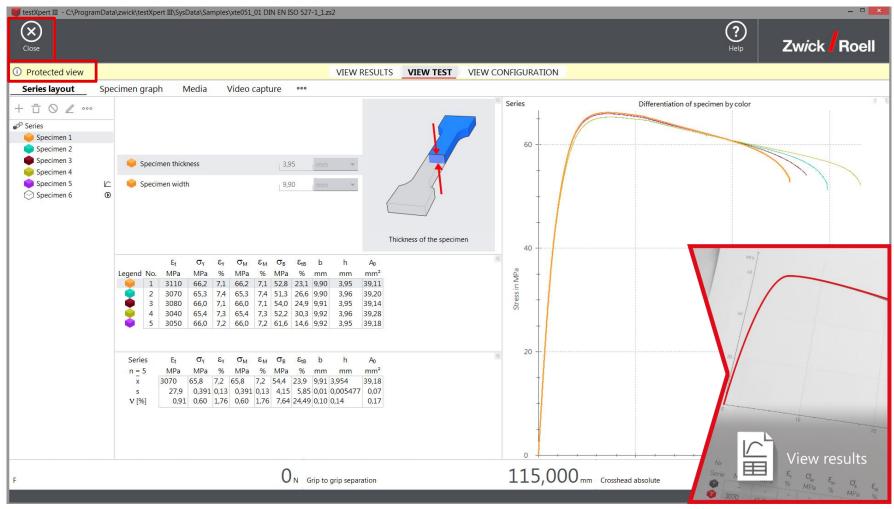
Run test







The View Results mode prevents users from making subsequent modifications to the data and results can be used to verify the test.





...is versatile

## You need

A wide range of applications on one machine?

Or the same software for different types of machines?



testXpert III is the result of close cooperation with software users in the materials testing industry and the experience of over 30,000 successful testXpert installations.

- The workflow-based philosophy of testXpert III fits to all testing machines & instruments of the Zwick/Roell Group.
- The same software can be used for all applications and test types.







testXpert III offers you a superior product portfolio.

#### **Standard Test Programs**







#### **Master Test Programs**







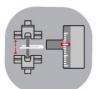




#### **Options/Sensors**







## **Graphical Sequence Editor/ Customized Solutions**











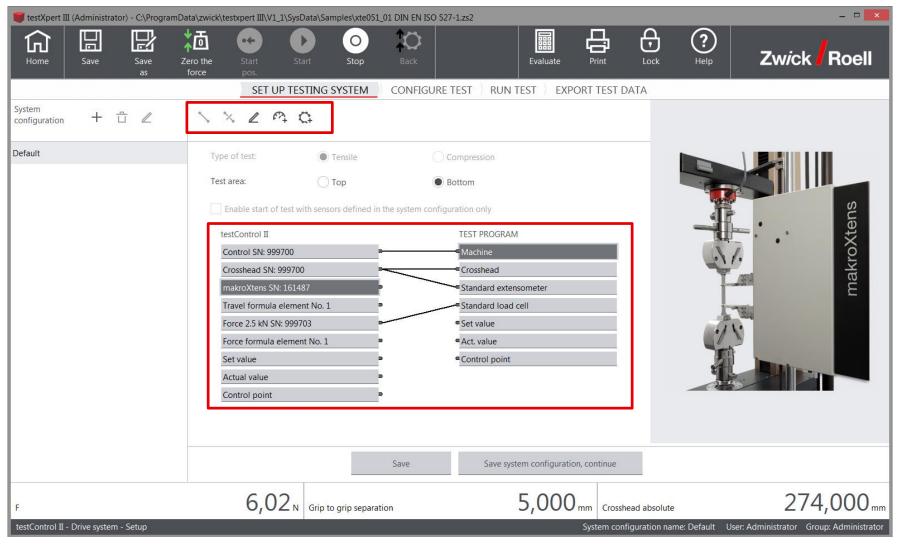






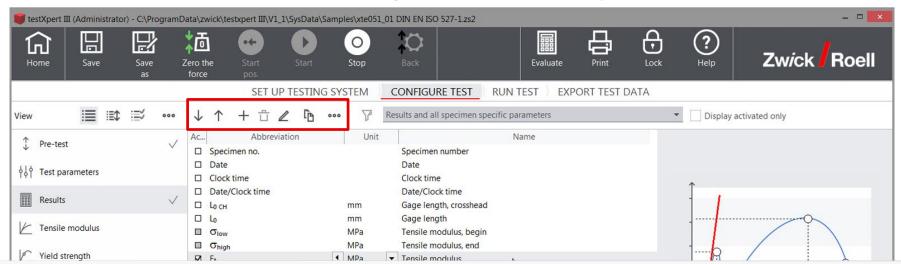


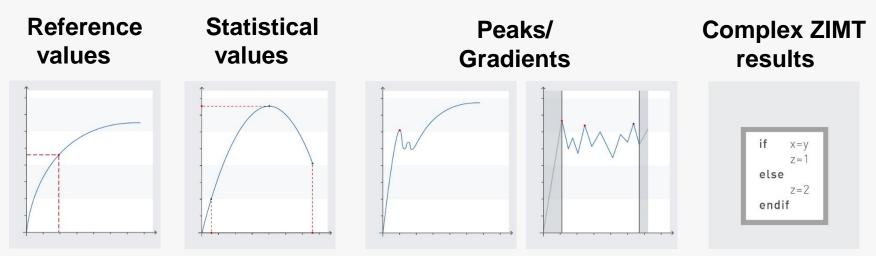
#### Additional channels can be easily added in testXpert III.





#### Additional results can be easily added in testXpert III.









## ...ensures reliable test results

## You need

Accurate, repeatable, reproducible and traceable results?



Zwick, together with its machine and software solutions, stands for accuracy, repeatability and reproducibility and for seamless result traceability.

Our machines operate with precision.
The average of the test results obtained is very close to the reference value.

When tests are repeated under the same conditions, the results obtained are closely grouped.

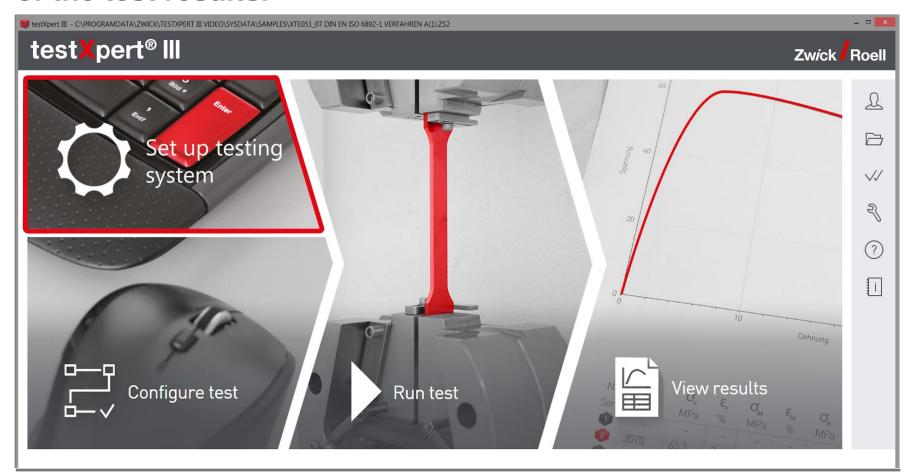
When Zwick machines performing the same test are compared, the results are reproducible.

The continuous documentation of calibrations and tests makes all results transparent and traceable.

accurate repeatable reproducible traceable

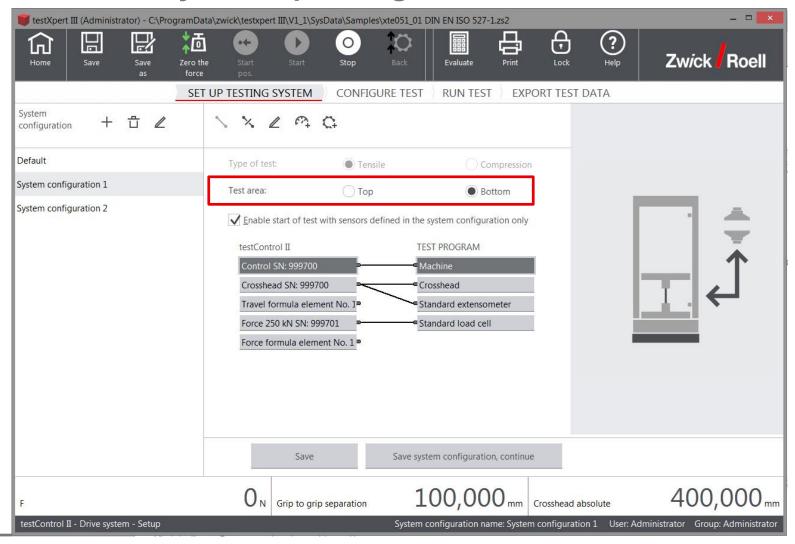


You can define reproducible test conditions with our unique System Configuration Builder, which guarantees repeatability of the test results.



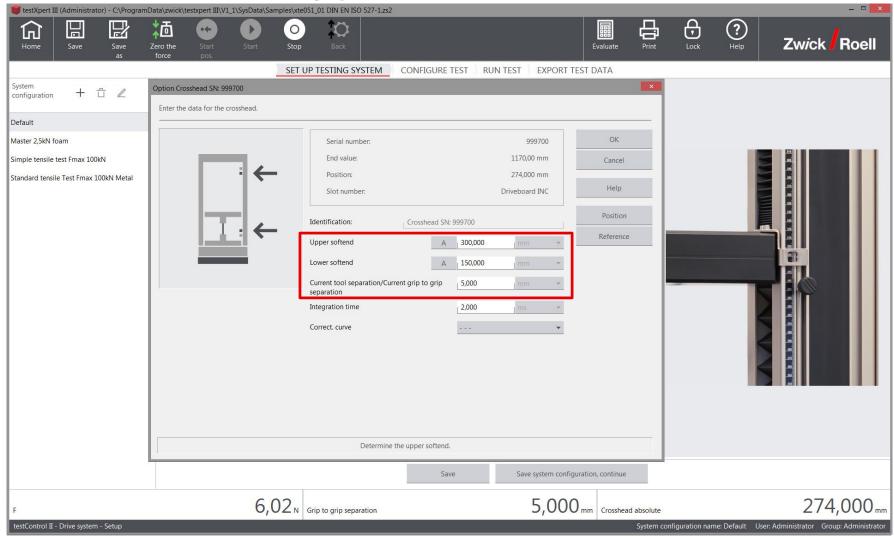


## Select the test area you're operating in.



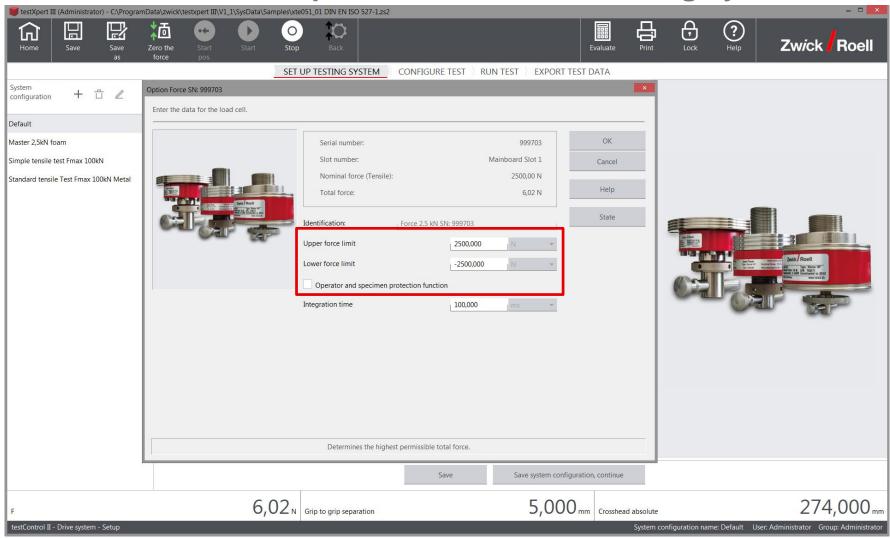


## Set the start and safety positions of the crosshead.



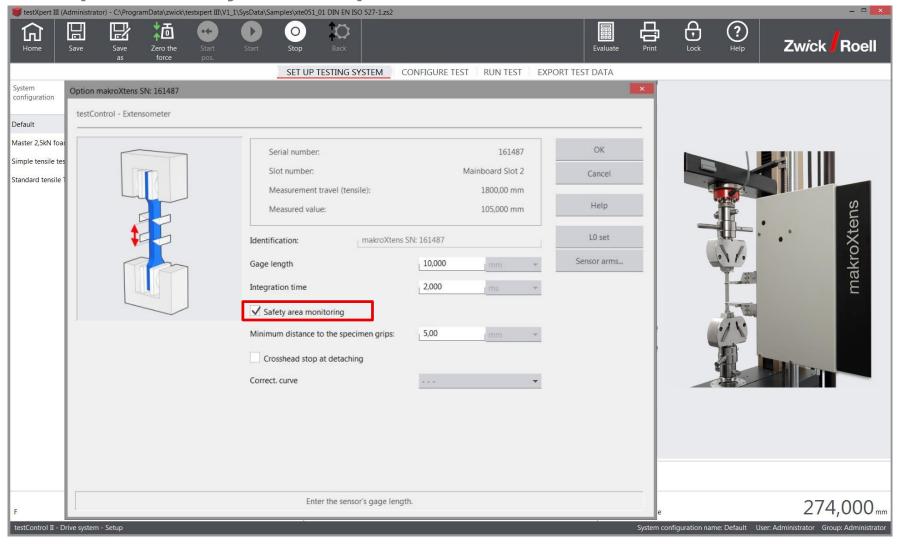


#### Set the force limits to protect the user and testing system.



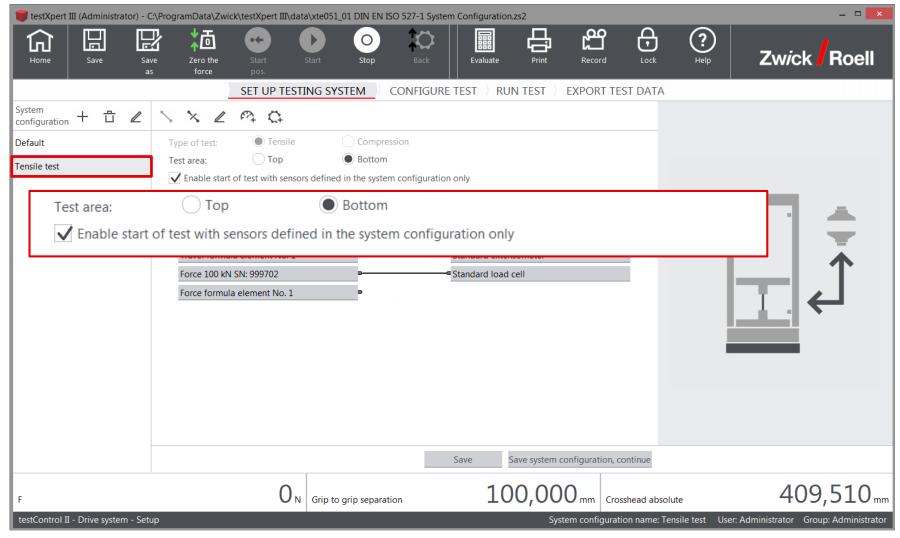


#### Set up the safety area to protect the tools and extensometers.



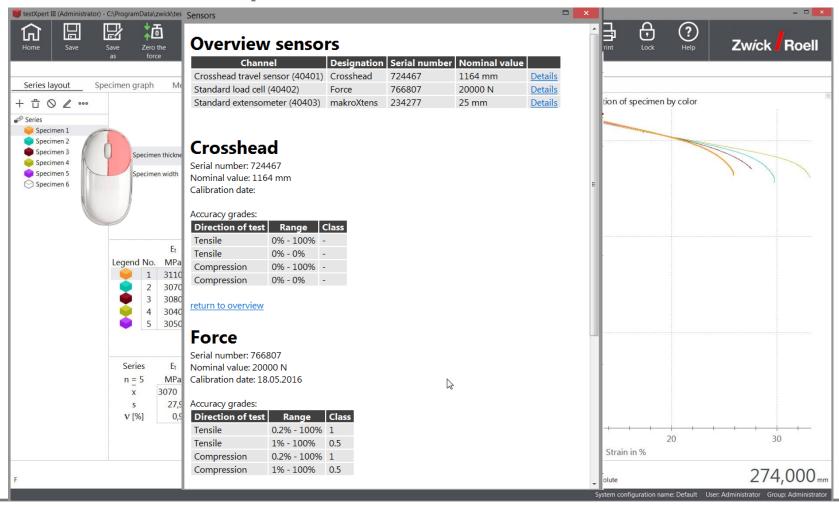


#### Ensure that you have the maximum safety.



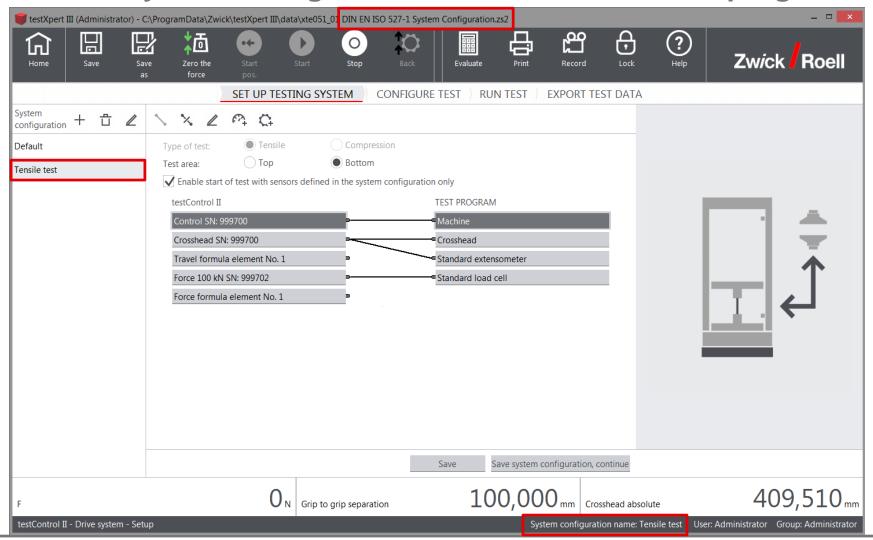


The information about the connected sensors is saved and traceable for each specimen.



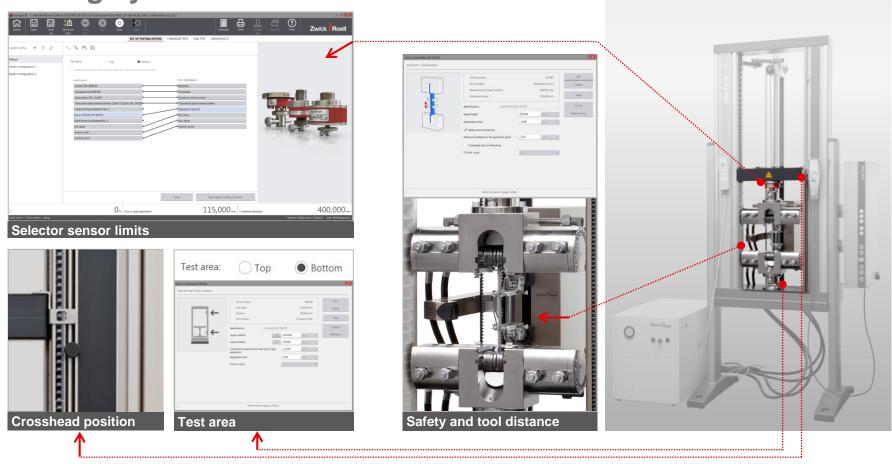


#### Save the system configuration and link it to the test program.



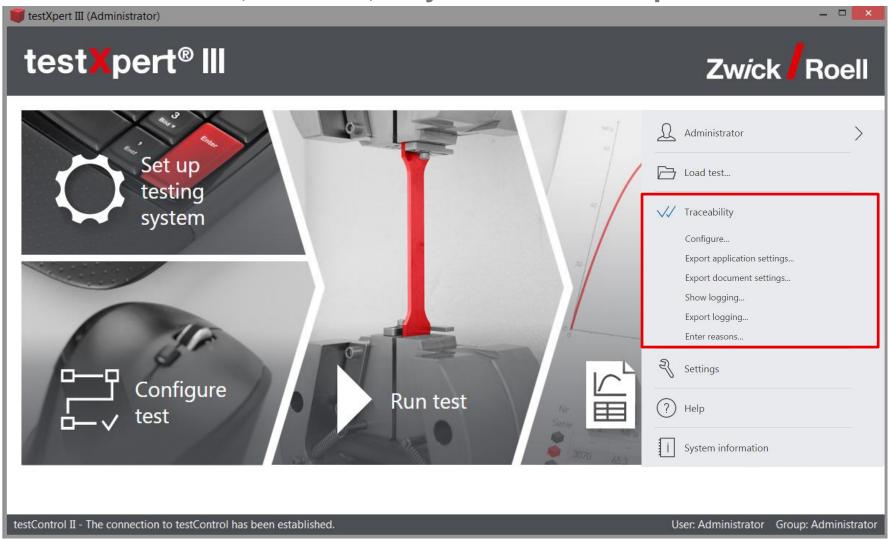


testXpert III always knows how, where and with what the test is to be performed and offers maximum safety for the user and testing system.



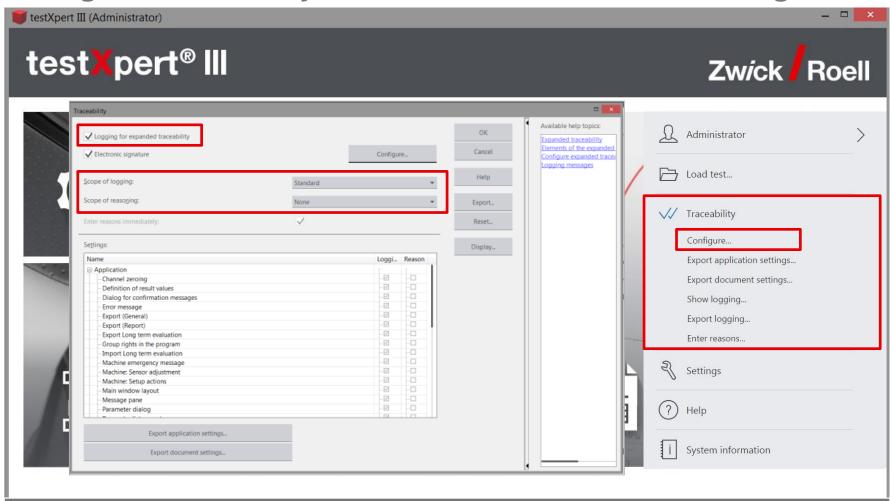


"When does who, do what, why and who is responsible?"



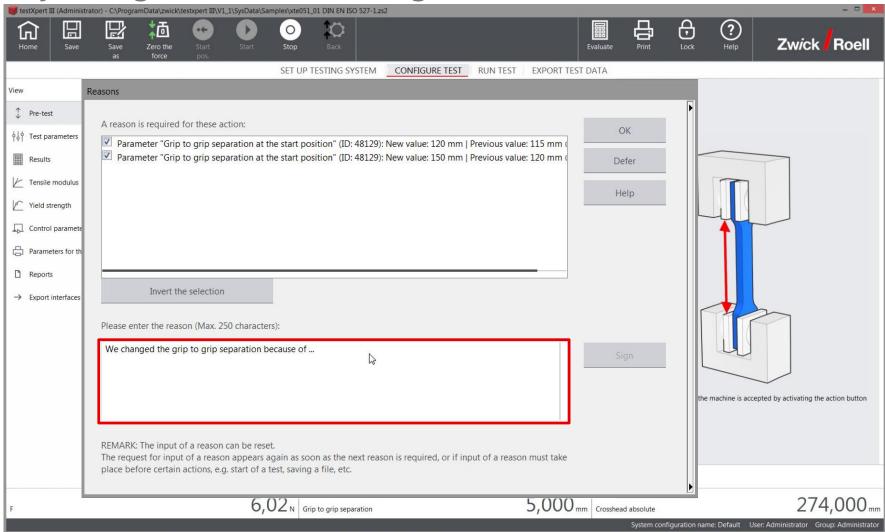


testXpert III logs all test- and system-relevant actions and settings and enables you to trace the reason for a change.



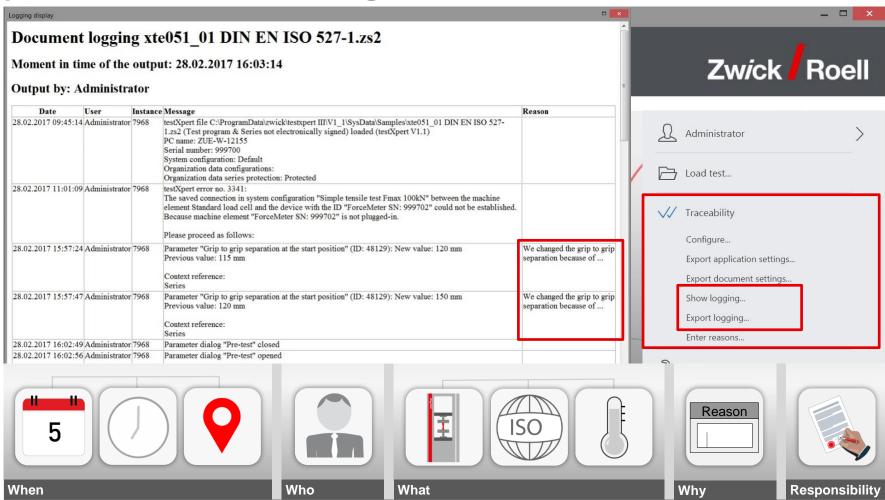


### Any changes to the test configuration will be documented.



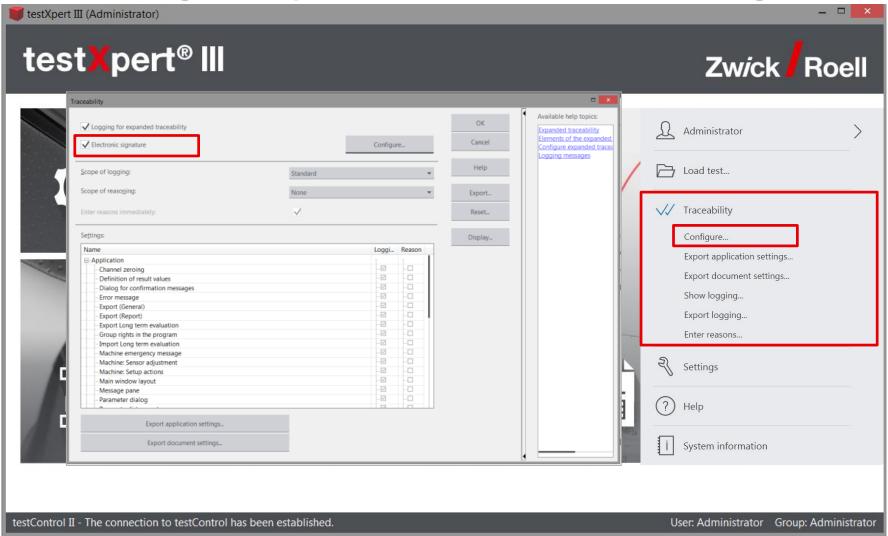


You can see exactly when who, did what, why and who permitted this action or signed off on it.



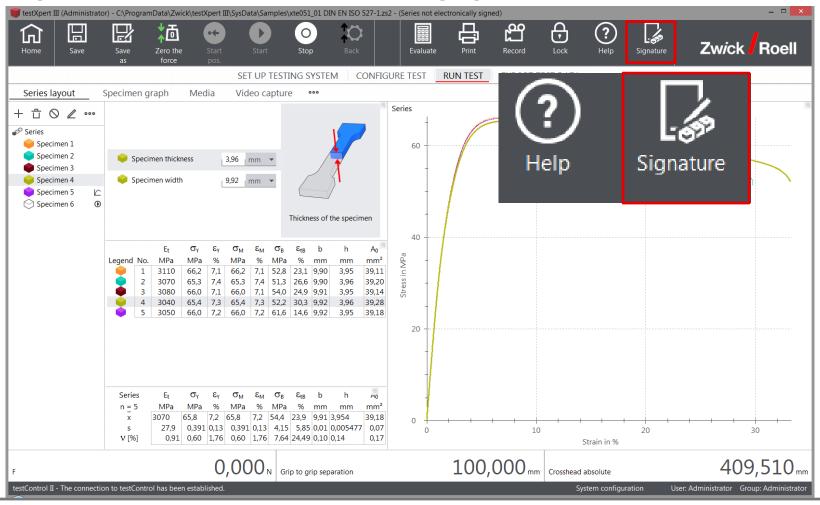


#### Electronic signature protects from unauthorized changes.



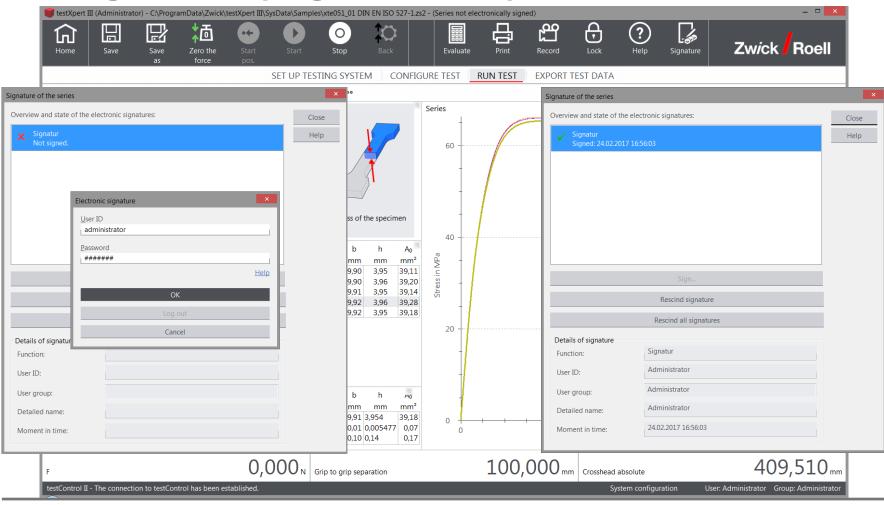


The electronic signature protects the test program from manipulation and can be used as paperless documentation.



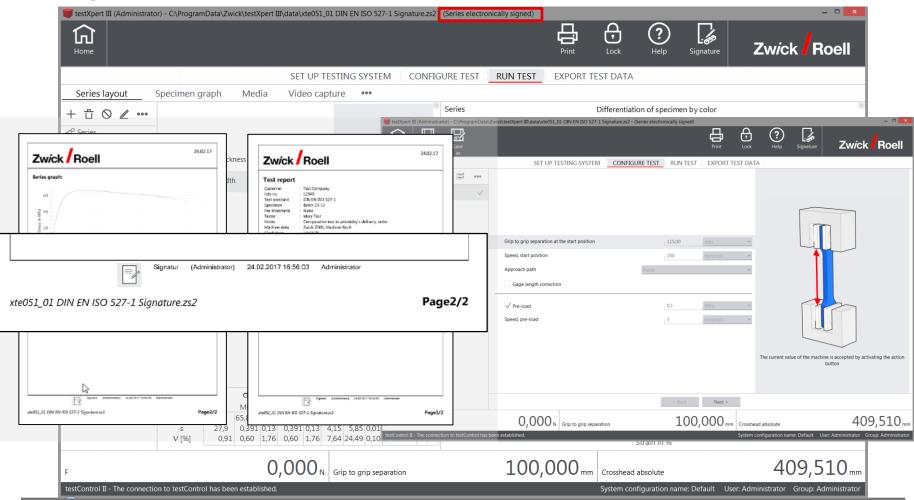


User management allows you to set who or how many people must sign the test program or the report.



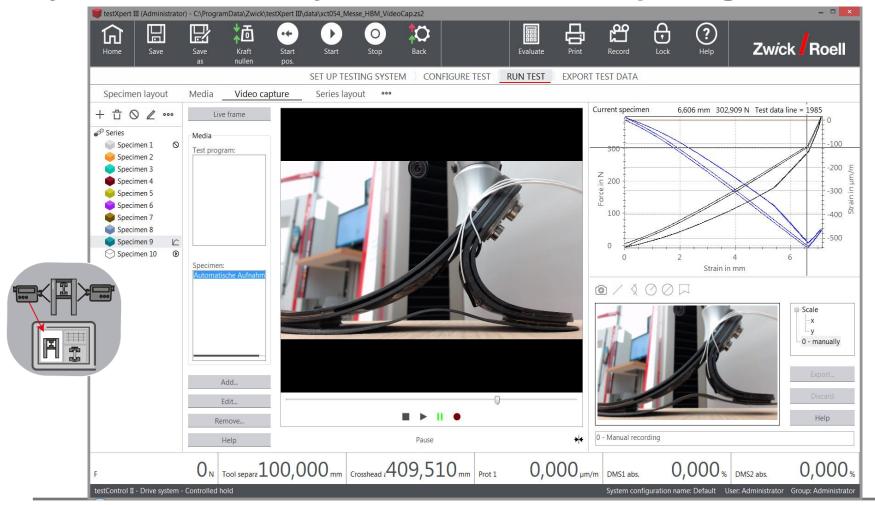


The test results and test configuration are protected from manipulation at all times and the test results are traceable.



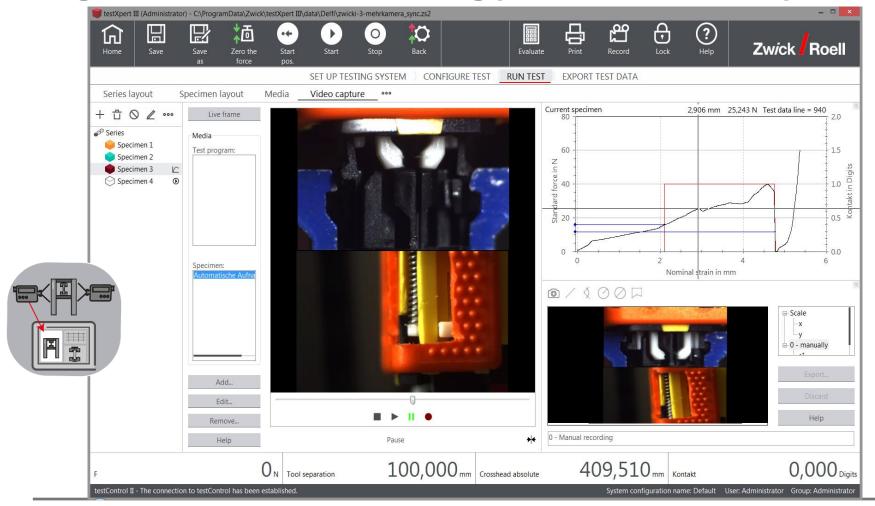


Easy traceability of specimen behavior is assured with videos synchronized exactly to the test – Video Capturing Plus.



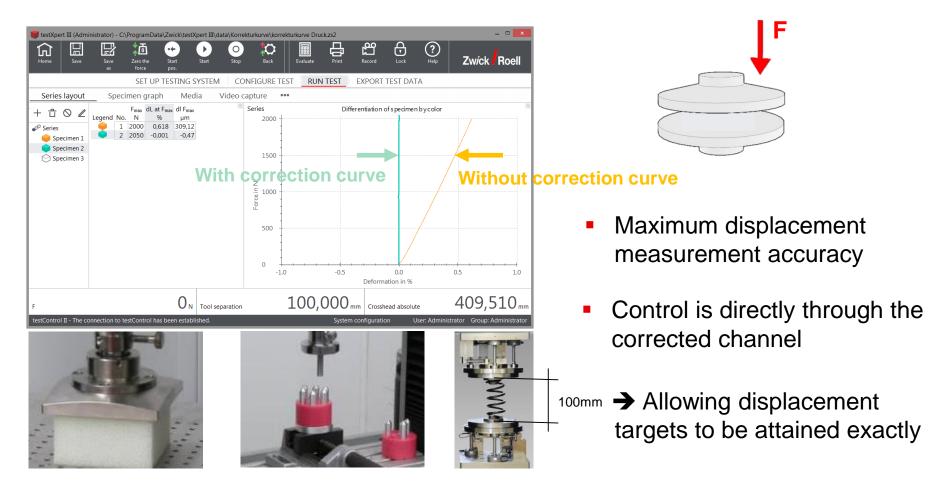


You can visually reconstruct the specimen behavior & generate single frames to view interesting points in the test sequence.



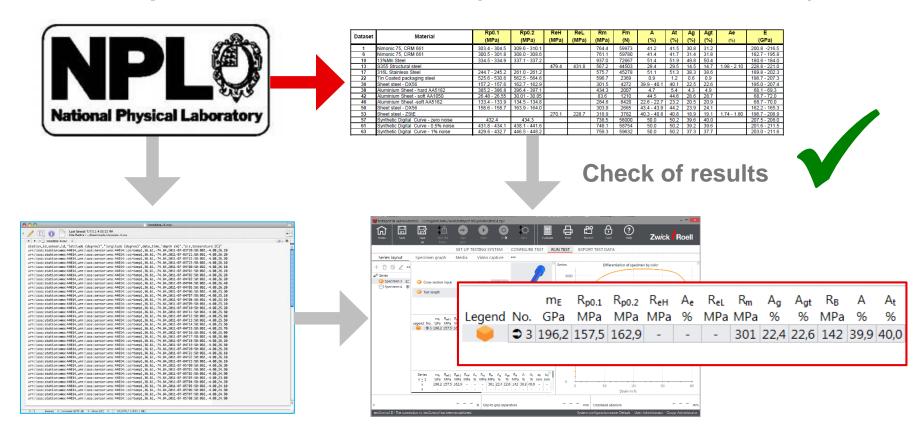


Accurate results for compression tests are ensured by means of automatic real-time correction of machine deformation.





Compare test results with TENSTAND software validation to ensure reproducible test results (Part of ISO 6892-1 2009).



[i]

Internationally recognized raw data sets and internationally recognized tensile test results ensure reproducibility in the calculation of characteristic values.



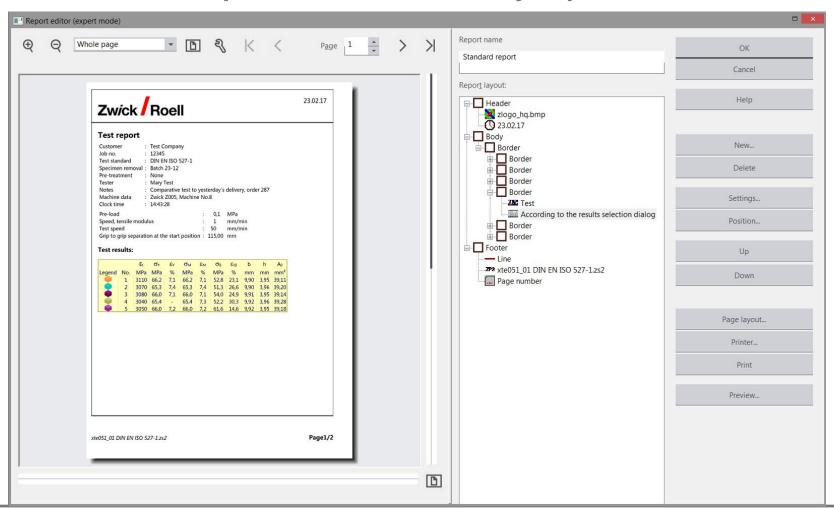
# ...can be integrated perfectly

## You need

Integration of the testing software into the company's IT landscape?



Set your requirements using the Structure Editor's wide range of functions and testXpert III will automatically export the data.



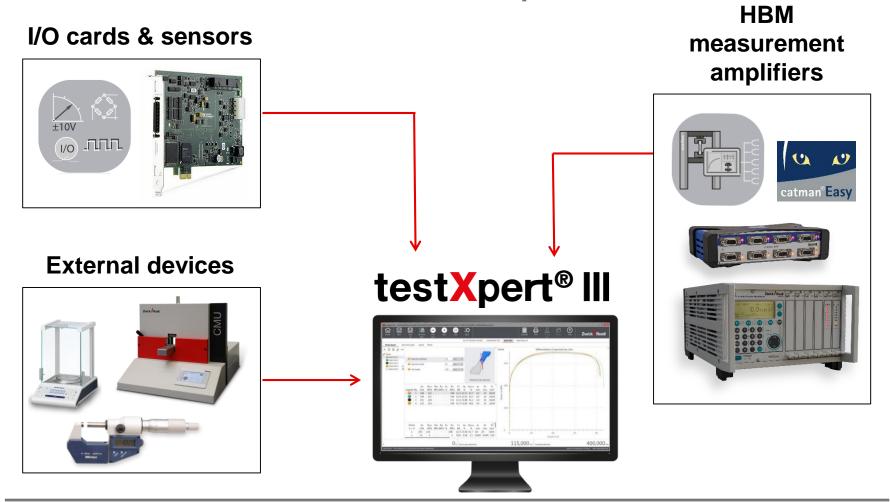


Export all required test data, to common applications or to your own customized solutions.



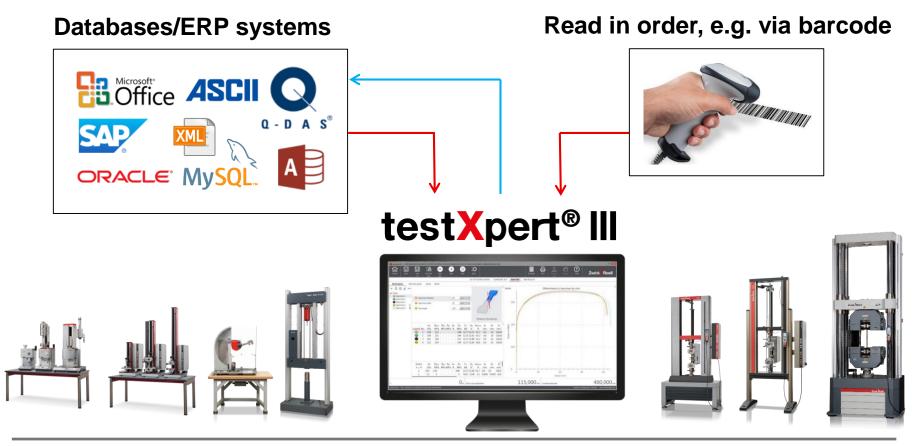


testXpert III integrates data from external sensors, I/Os and external devices or measurement amplifiers.





testXpert III reduces input errors, increases efficiency in the test lab, and communicates with every IT system through automated importing and exporting.







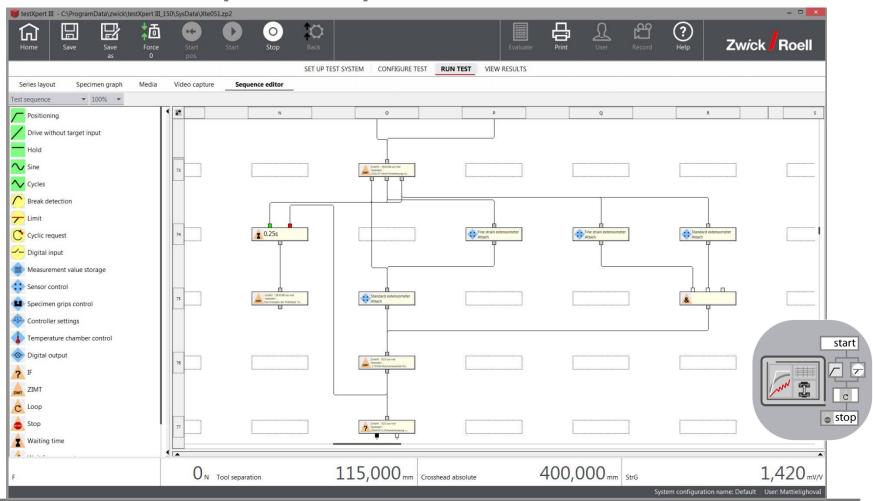
...is flexible

## You need

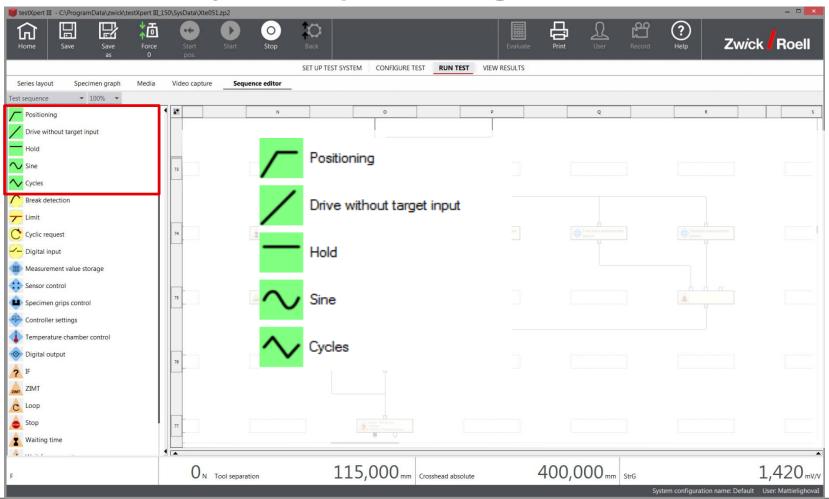
Software configurable to individual and future requirements?



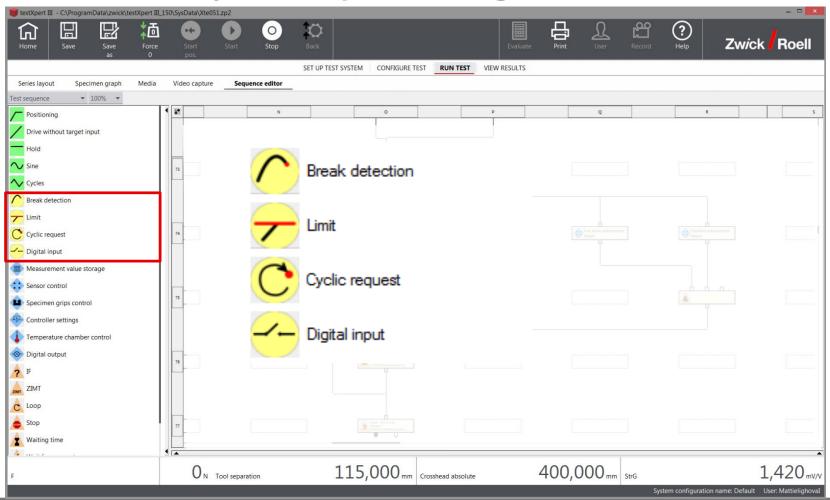
Create test sequences of any type with all the flexibility you need with the Graphical Sequence Editor.



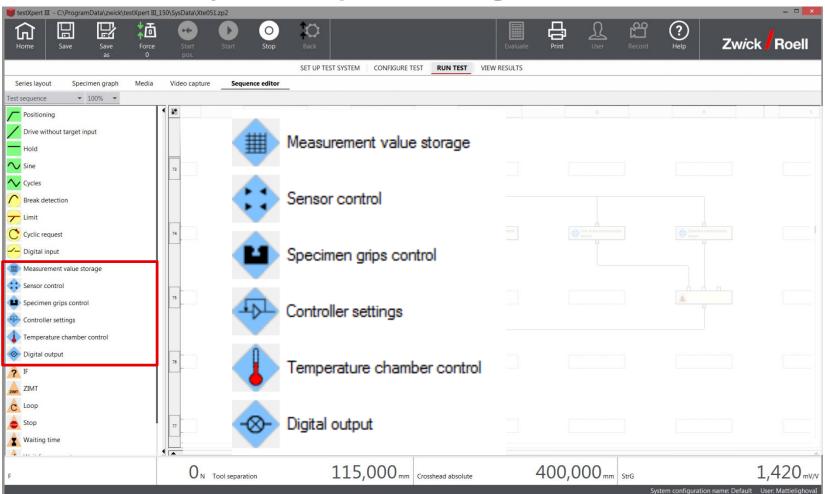




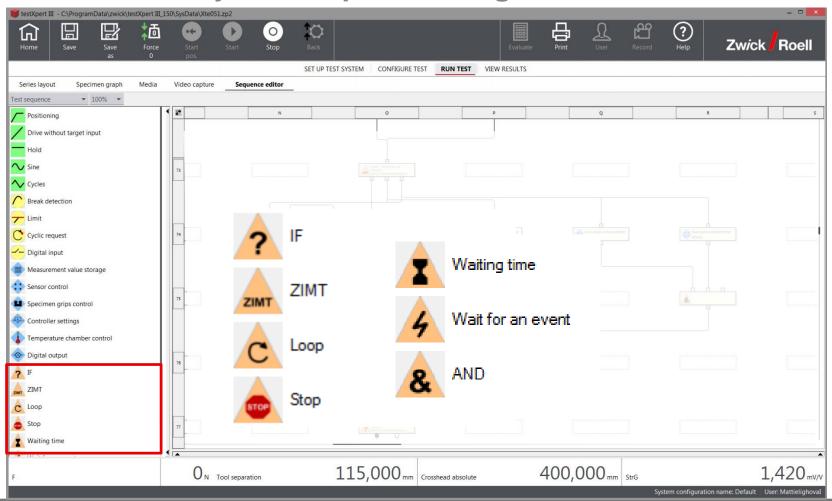






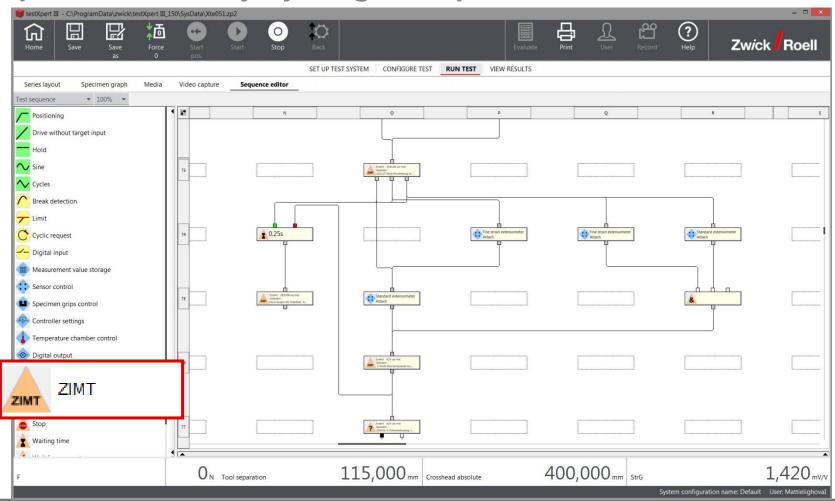






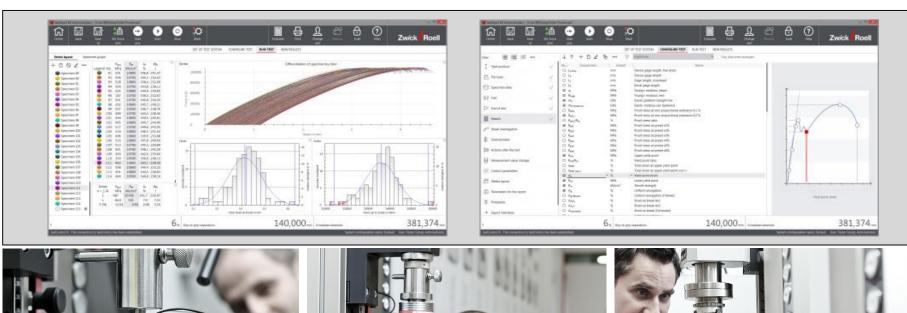


You can combine test events, parameters and results to your requirements easily by drag & drop.





Unique test and evaluation requirements are possible with testXpert III: we get started where the others leave off!













# ...is the safest testing system

# You need

A testing system with the focus on overall safety?

## testXpert® III is the safest testing system



We make no compromises with Zwick safety technology – we use only high-quality, industry-proven safety components in all products.

