

become a  
**testXpert®**



**Up to 30% time savings  
through automated  
testXpert functions in  
materials testing**



**Robert Strehle**  
**Product Manager testXpert**

## Flexible automation with testXpert

# Up to 30% and more time savings with future proofed functions and simple operation.



Sample preparation

- Reduce input errors and saves time with the full integration of measurement devices in testXpert
- Eliminates manual input and save time with the automatic Import of sample and organization data from your ERP or host system



Test

- Avoid extensive preliminary tests with each material by using automated event-controlled speed switching e.g. after the determination of the E-Modulus or Yield-Point.
- No user parametrization required to achieve standard compliance with predefined Standard Test Programs
- Less user interaction-due to automatic hydraulic or pneumatic grips which are automatically controlled by testXpert
- No user interaction thanks to automatic Extensometer which are controlled by testXpert to attach, detach and set the gauge length
- Start immediately your testing without setting up your machine with predefined Machine Configurations (PMC)
- No re-measurement and adjustment of the starting position with a precise and absolute tool separation one time defined in the PMC
- Start immediately your testing at elevated temperatures with a complete and automatic control of a temperature chamber, with automatic start after a preconditioning, ramps, control factors, etc..
- No PID factors have to be determined by elaborate preliminary tests for each material with the adaptive controller
- No preliminary tests for component testing are needed because of the real-time correction of the machine deformation for precise measuring and positioning
- Reduce calculation errors and save time with the determination of the measurement uncertainty calculated automatically by testXpert



Results

- Save time and reduce errors when merging individual records by standardized exports of a complete series in different formats e.g. directly into Excel or a database via ODBC
- No extra samples and time needed with the videoXtens Re-Run option in case of a break outside the gauge length, the test can be re-evaluated with adjusted gauge length
- Reduces your documentation effort dramatically with the traceability option combined with an IQ/OQ service
- Create new results and re-evaluate a single sample or complete test series with just one mouse click
- Increase the quality of your documentation and evaluation options with the time synchronized VideoCapturing



Analysis

- Analyze and evaluate your tests away from the testing machine for high effective testing with testXpert Analytics

