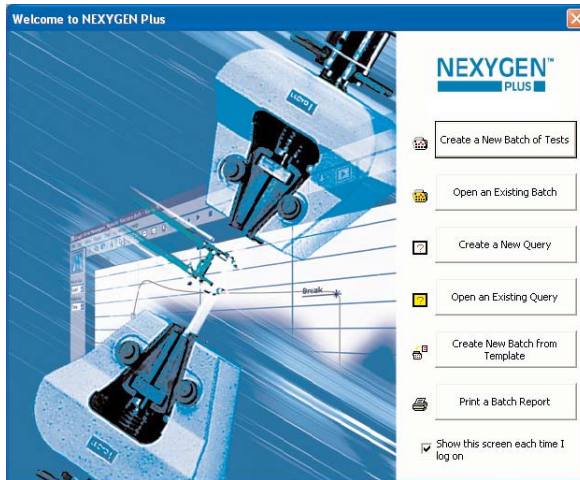


## NEXYGEN Plus Data Analysis and Materials Testing Software



NEXYGEN Plus multi-lingual materials testing software is the hub of the Lloyd Instruments materials testing system. This extraordinarily easy to use and flexible software, allows the operator to control and monitor all aspects of the system from a single front end, ensuring fast, reliable and powerful testing and data analysis for tensile, compression, peel, creep, relaxation and flexural test applications.

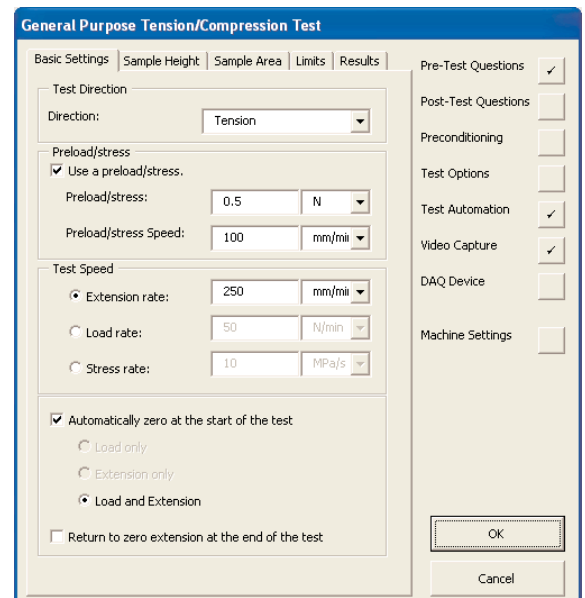
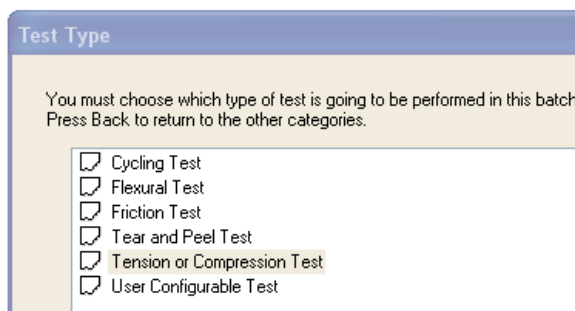
With NEXYGEN Plus, the user can simply select from the extensive library of pre-defined test set-ups based on international standards, to set up a routine test or create an advanced, user defined test set-up, such as a multi-stage test, all using the same program. Still picture and video capture are also included in the software as well as a powerful security and audit trail module to provide 100% traceability, full automation capability for automatic testing and much more.

### Features

- Large built-in library of test methods meeting international standards such as ASTM, DIN, EN and ISO
- Video capture system allows playback of synchronised video and graph. Ideal for post test analysis of product and component testing
- Still picture capture system allows still images of the sample to be captured throughout the test and used in post test analysis
- Configurable front end
- Advanced data analysis and reporting features
- Export data to Microsoft® Office, SPC or LIMS packages
- 100% traceability provided by security and audit trail module enabling manufacturers to comply with the requirements of FDA 21 CFR Part 11
- ISO TickIT approved

### • Test Creation Based on International Standards

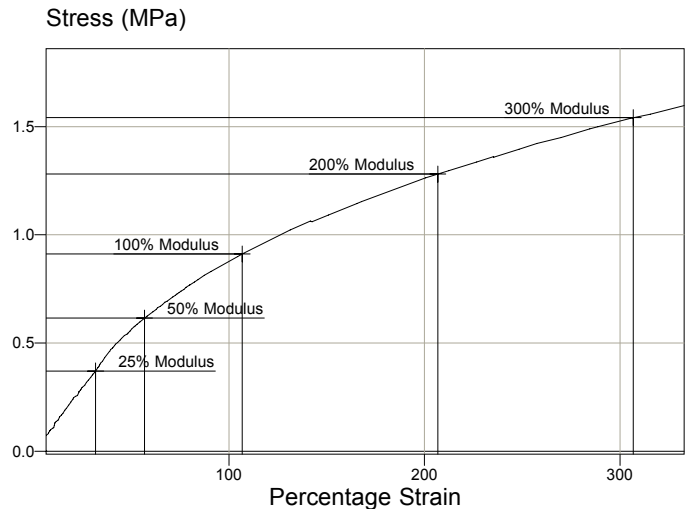
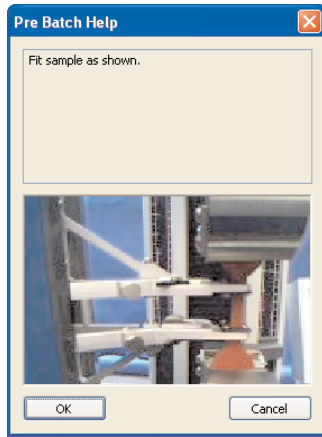
If your test follows an international standard, simply select the test from one of our pre-defined test procedures. If you prefer to configure your own test, the test creation wizard will simply guide you through.



## Simplified Data Collection

NEXYGEN*Plus* is configured to allow rapid and accurate data collection with many built-in functions to ensure error free testing.

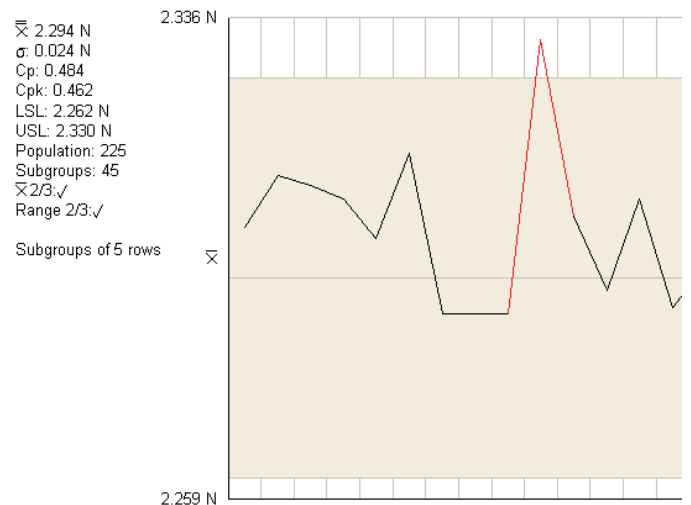
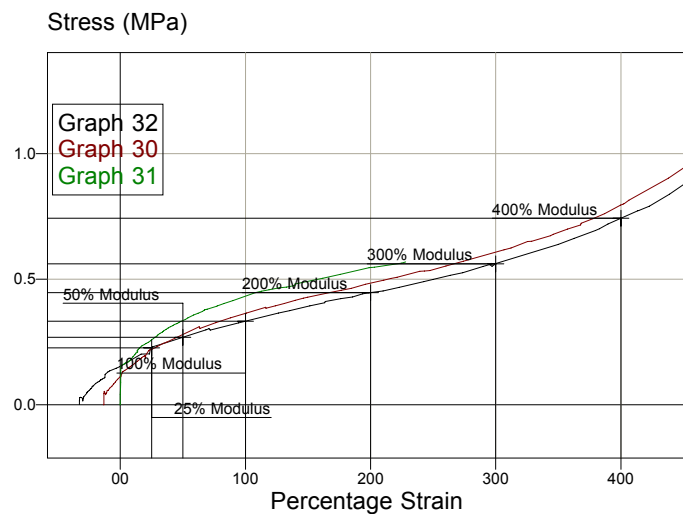
- Supports direct reading of Mitutoyo digital micrometers and callipers for sample measurement
- Customisable user instructions can include digital pictures of fixtures and sample set-up
- Clear pass/fail indications given to the operator
- Supervisors can programme part numbers into the system to avoid data entry errors by operators
- Graphs display relevant points selected by the user.



## Powerful Analysis and Reporting Tools

Production variation can be costly creating both scrap material and consequential losses due to poor quality. By monitoring a process statistically, it is possible to detect process variation before the customer receives the product. Statistical process control (SPC) avoids losses by detecting when a process is going out of control. With NEXYGEN*Plus*, the user has added benefits:

- NEXYGEN*Plus* continuously monitors SPC data and alerts the user if the process may be losing control
- For users of standard SPC packages, NEXYGEN*Plus* features a wide range of export capabilities that are compatible with most commercial packages. These include Excel®, TXT, ASCII and many more
- Graphs can be overlaid in multiple colours with a legend shown directly on the graph
- Built-in export utilities assist direct connection to LIMS systems
- NEXYGEN*Plus* utilises the power and flexibility of Microsoft Word for reporting
- Data can be automatically transferred to specified Microsoft Excel® worksheets without operator intervention

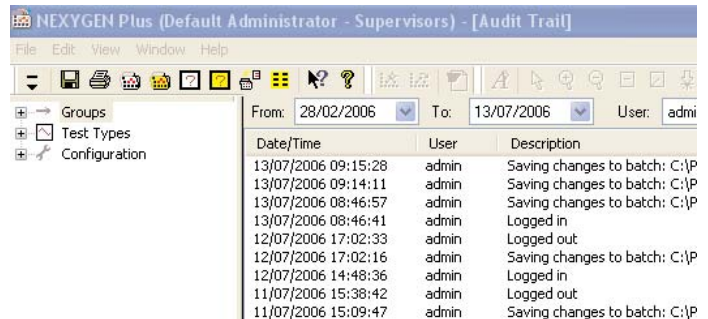
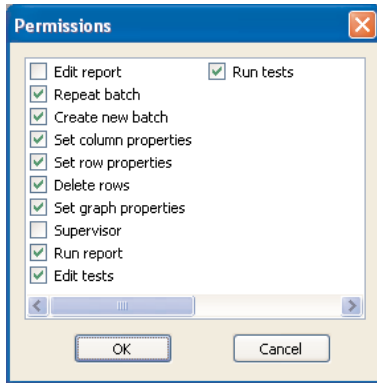


	A	B	C
1	Timestamp	User	Load at 25% Modulus (N)
2	11/07/2006 14:31:13	Default Administrator	6.6702094
3			

## • Traceability

The NEXYGEN*Plus* security and audit trail module allows the user to configure his system to enable compliance with the requirements of FDA 21 CFR Part 11. By restricting user access rights it is possible to avoid costly errors. Benefits include the following.

- NEXYGEN*Plus* software ensures data integrity
- Electronic signatures available through unique user name and password
- Audit trails give the supervisor an overview of the system operation
- Audit trail records changes to test setups as well as any attempts to perform an unauthorised task
- Configurable user access rights



## • Software Automation

NEXYGEN*Plus* facilitates both software and hardware automation. In a quality control environment where time and accuracy is of the essence, it is essential to ensure that routine testing can be carried out with the minimum of input from the operator. NEXYGEN*Plus* can be configured to automate tasks such as:

- Automatic reading of sample dimensions
- Automatic exporting data to Excel following a batch of tests avoiding the need to copy and paste
- Limiting an operator's access rights
- Requiring the operator to perform a set number of tests
- For routine testing, the user interface can be configured to show only items that are relevant to the operator

## Ordering Information

Product	Part No	Description
NEXYGEN <i>Plus</i>	40/0771	NEXYGEN <i>Plus</i> Materials Test and Data Analysis Software
NEXYGEN <i>Plus</i> L	40/0774	Additional Licence Agreement
NEXYGEN <i>Plus</i> U	40/0771/U	Upgrade from NEXYGEN MT Software to NEXYGEN <i>Plus</i> Software



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