

» **Large built-in library**

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**

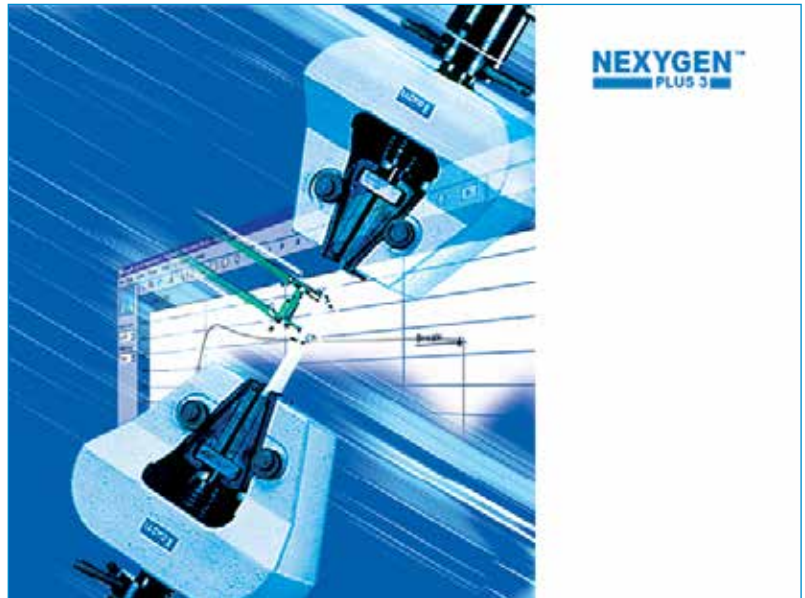
allows still images of the sample to be captured throughout the test and used in post test analysis

» **Configurable front end**

» **Advanced data analysis and reporting features**

» **Export data**

Microsoft® Office, SPC or LIMS packages. Reports may be printed and/or emailed



NEXYGEN^{Plus} 3 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. This provides a fast, reliable and powerful testing and data analysis for tensile, compression, tear, peel, friction, food, creep, relaxation and flexural test applications.

Designed for use with Windows®XP, Windows®7 or Windows®10.

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.

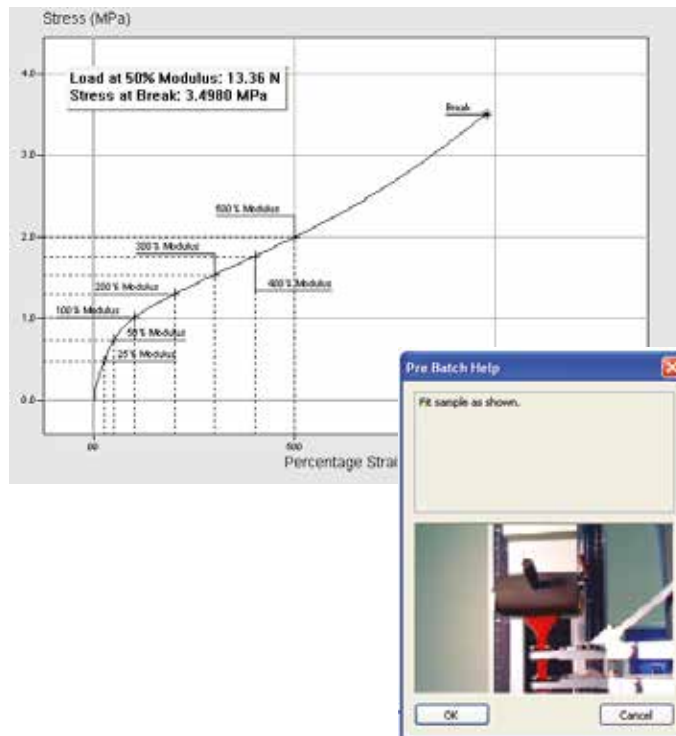
Features

- Large built-in library of test methods meeting international test standards
- Intuitive User Configurable Test facility
- Video and still capture for visual analysis
- Built in SPC functionality for continuous monitoring of process parameters such as Cp and Cpk
- Microsoft Office integration for seamless transfer of data to familiar Windows packages, Windows 7 and Windows 10 compatible
- Versatile data export facility to LIMS, SPC or data management systems
- Test automation and batch testing

Simplified Data Collection

NEXYGEN^{Plus} 3 is configured to allow rapid and accurate data collection with many built-in functions to ensure free testing.

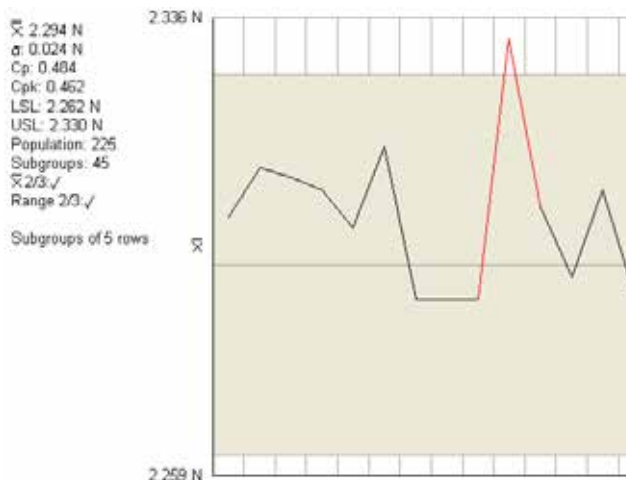
- Supports direct reading of Mitutoyo digital micrometers and callipers for sample measurement
- Customisable user instructions can include digital pictures of fixtures and sample set-up
- Clear pass/fail indications given to the operator
- Supervisors can programme part numbers into the system to avoid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



Powerful Analysis and Reporting Tools

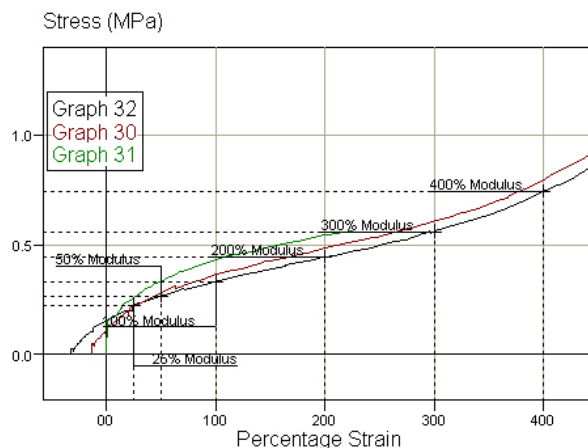
Production variation can be costly creating both scrap material and consequential losses due to poor quality. By monitoring a process statistically, it is possible to detect process variation before the customer receives the product. Statistical process control (SPC) avoids losses by detecting when a process is going out of control. With NEXYGEN^{Plus} 3, the user has added benefits:

- NEXYGEN^{Plus} 3 continuously monitors SPC data and alerts the user if the process may be losing control
- For users of standard SPC packages, NEXYGEN^{Plus} 3 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} 3 utilises the power and flexibility of Microsoft Word for reporting. Reports may be printed and/or emailed
- Data can be automatically transferred to specified Microsoft Excel® worksheets without operator intervention



Microsoft Excel - Book1

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



Multi-lingual

NEXYGEN*Plus* 3 software is available in the following languages: English • Spanish • French • German • Italian • Danish • Turkish • Chinese • Russian • Polish

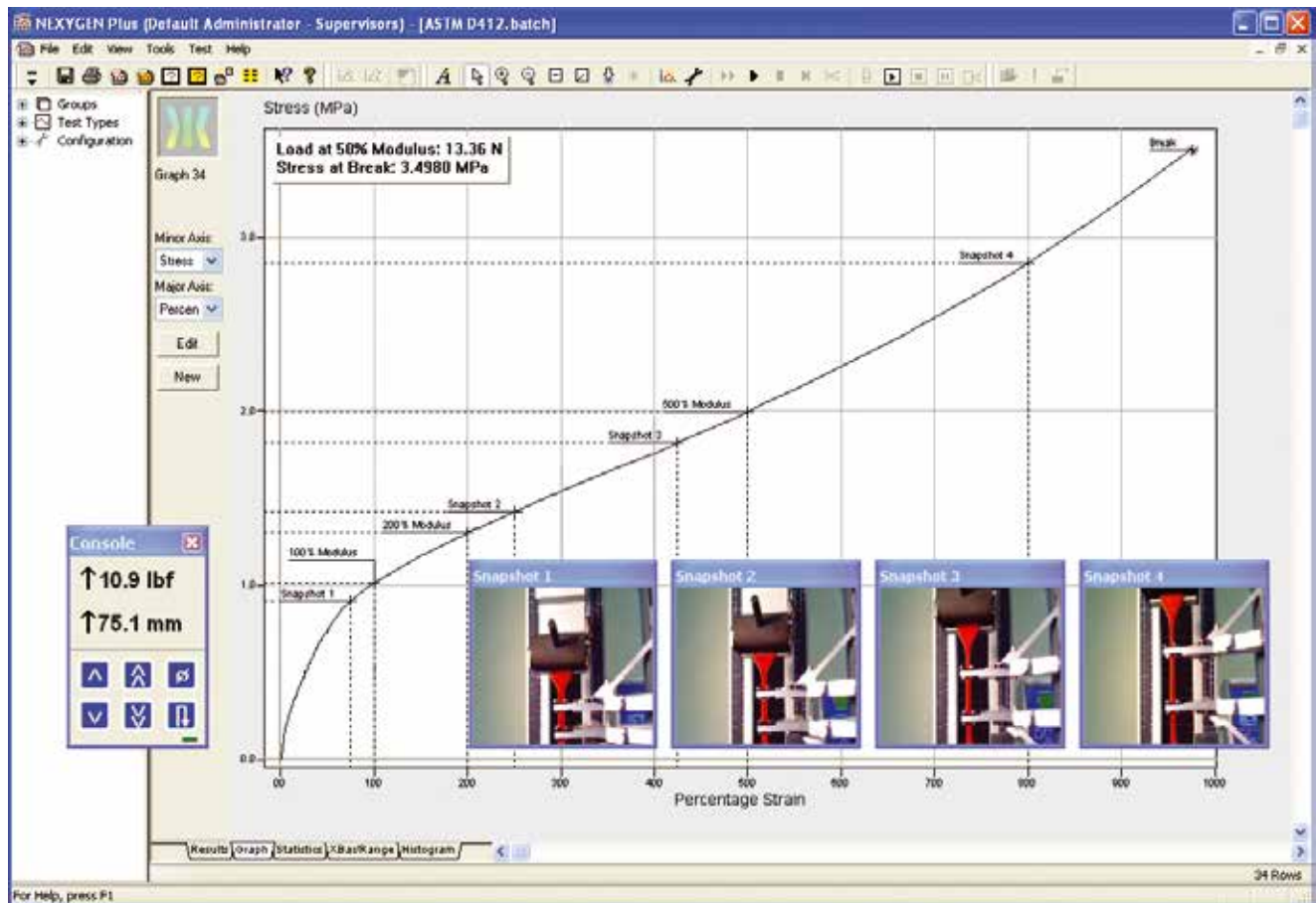
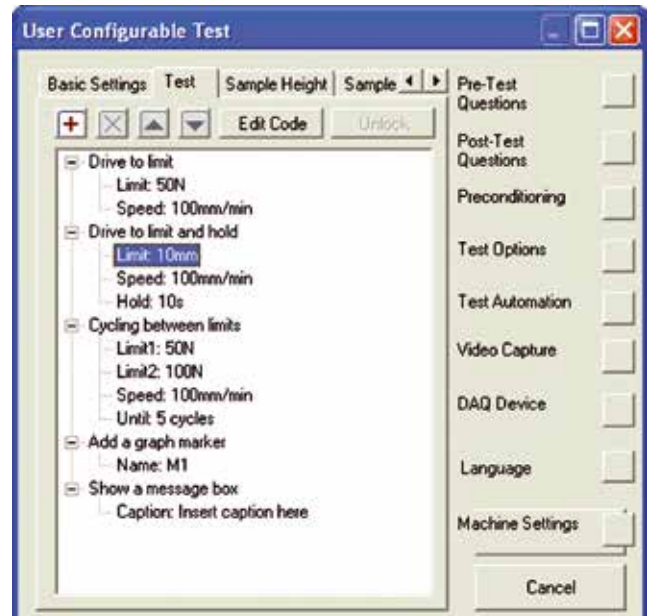
Test Creation

Getting started with NEXYGEN*Plus* 3 is simple, thanks to:

- An extensive built-in library of test methods covering ASTM, DIN, EN, ISO and other standards
- Test wizards for tension, compression, tearing, peeling, friction and flexural tests
- The User Configurable Test facility, ideal for product and component testing, R&D use and specialised testing

New User Configurable Test

The new User Configurable Test enables users to quickly build advanced multi-stage test routines using simple built-in commands.



Video and Still Picture Capture

Whether for advanced sample failure analysis or presentation of test results, video and stills capture is a feature unique to NEXYGEN*Plus* 3. Video and/or still pictures are synchronised with the stress/strain data and can be replayed or shown at specific points during the test in the graphical display. To utilise these powerful features simply connect your web cam or analogue video camera to your PC.

Traceability

By restricting user access rights it is possible to avoid costly errors. Benefits include the following:

- NEXYGEN^{Plus} 3 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} 3 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} 3 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

External Automation

An unused COM Port (or a USB / COM Port adaptor) can be used to create a simple automation system

Ordering information

Product	Part No.	Description
NEXYGEN ^{Plus} 3	40/0783	NEXYGEN ^{Plus} 3 software
NEXYGEN ^{Plus} 3 L	40/0783/L	Additional Licence Agreement
NEXYGEN ^{Plus} 3 U	40/0783/U	Upgrade from NEXYGEN ^{Plus}



AMETEK Test & Calibration Instruments

A business unit of AMETEK Measurement & Calibration Technologies offering the following industry leading brands for test and calibration instrumentation.

LLOYD Materials Testing

Materials Testing Solutions

Materials testing machines and software from Lloyd Instruments guarantee the highest level of performance and capability for production testing, quality control, laboratory testing, research and education to provide expert materials testing solutions.

Davenport Polymer Test Equipment

Allows critical polymer parameters to be determined, including melt flow index and melt flow rate, intrinsic viscosity (IV) measurement of moisture-sensitive PET polymers and polymer density measurement.

Texture Analysers

The comprehensive program provides the platform to perform rapid, general food testing and detailed texture analysis on a diverse range of foods.

Chatillon Force Measurement

Chatillon has been a hallmark in the industry since 1835. The hand held gauges and motorized testers have earned their reputation for quality, reliability and accuracy and they represent the de facto standard for force measurement.

Newage Hardness Testing

Newage offers a comprehensive range of hardness testers, durometers, optical systems and software for measurement, data acquisition and analysis.

JOFRA Calibration

The inventor of the portable high precision dry-block temperature calibrators. The calibration instruments program also covers precision thermometers and temperature baths, temperature sensors handheld instruments for pressure calibration and process signal calibrators for easy control loop calibration, measurements and simulation.

M&G Calibration

Pneumatic floating-ball or hydraulic piston dead weight testers with accuracies to 0.015% of reading.



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