

Materials Testing Machines



Materials Testing Machine LS1 - Single Column Bench Mounted - 1kN (225lbf) Friction Tester FT1

NEW PRODUCT: LS1 Materials Testing Machine
NEW PRODUCT: FT1 Friction Tester - friction tests to ASTM, ISO and TAPPI standards

Introducing a new generation single column high precision materials testing machine, the LS1 is designed to measure forces up to 1kN (225lbf) Ideal for routine quality control testing or complex multi-stage tests, this versatile material tester can perform a wide library of tests including tensile strength, compression, flexural, peel, shear, static and kinetic coefficient of friction and many more across many industries.

LS1 machine features include:

- high mechanical stiffness for highest precision displacement measurement
- a wide speed range 0.01-2032mm/min for faster testing and higher productivity
- exceptional load accuracy – fewer loadcells required to cover the full load range saving time and cost
- a variety of control options possible for your convenience: stand alone operation via a control console, alternatively using a PC or laptop and our acclaimed NEXYGEN*Plus* analysis software
- NEXYGEN*Plus* software is Windows® 7 compatible featuring an improved and intuitive User Configurable Test functionality complementing the comprehensive test standards library



Materials Testing Machine LFPlus - Single Column Bench Mounted 1kN (225lbf)

Lloyd Instruments offers the established LF*Plus*, an affordable single column test machine for a wide variety to test applications up to 1 kN (225 lbf).

The machine is capable of tensile, compression, flexural, peel, shear, friction testing and more. Flexible, easy to use and maintain, the LF*Plus* offers high accuracy position measurement, rapid data acquisition, multi-lingual and multi-unit display options as well as full PC integration with NEXYGEN*Plus* material test and data analysis material test and data analysis software.



**Material Testing Machines LRXPlus - Single Column Bench Mounted
5 kN (1124 lbf)**

Lloyd Instruments offers a range of affordable single column test machines for a wide variety to test applications up to 5 kN (1124 lbf).

All machines are capable of tensile, compression, flexural, peel, shear, friction testing and more. Flexible, easy to use and maintain, they offer high accuracy position measurement, rapid data acquisition, multi-lingual and multi-unit display options as well as full PC integration with NEXYGENPlus material test and data analysis software



**Material Testing Machines - Twin Column Bench Mounted
5-50 kN (1124-22481 lbf)**

For applications in the mid force range, Lloyd Instruments offers a wide range of testing machines and accessories for forces up to 50 kN (11241 lbf).

Ideal for routine quality control testing or complex multi-stage tests, all machines can perform tensile, compression, flexural, peel, shear, friction tests and many more. Flexible, simple to use and maintain, they provide high accuracy load measurement and are capable of a rapid 8 kHz data acquisition rate. The stand alone system can store up to 600 test results from 10 programmable test set-ups or, with PC integration with Lloyd Instruments powerful NEXYGENPlus material test and test and data analysis software, can perform advanced data analysis.



**Material Testing Machines - Twin Column Floor Standing
100-150kN (22481-33722 lbf)**

For high force applications in the range 100 kN to 150 kN (22481 lbf - 33722 lbf), Lloyd Instruments provide a range of robust, heavy duty test machines.

All systems are floor standing, apart from the bench-mounted LS100Plus 100 kN (22481 lbf) machine, and feature a large working area. Simple to set up, operate and maintain, all machines display high accuracy load measurement and rapid data acquisition. Full PC integration with Lloyd Instruments' advanced NEXYGENPlus material test and data analysis software.