

Product Name :
Universal Testing Machine - Tensile Tester

Product Code :
NLAB-STELTLAB190002



Description :

Universal Testing Machine - Tensile Tester

Technical Specification :

A Universal Testing Machine (UTM) is used to test both the tensile and compressive strength of materials. Universal Testing Machines are named as such because they can perform many different varieties of tests on an equally diverse range of materials, components, and structures. Most UTM models are modular, and can be adapted to fit the customer's needs.

Universal Testing Machines can accommodate many kinds of materials, ranging from hard samples, such as metals and concrete, to flexible samples, such as rubber and textiles. This diversity makes the Universal Testing Machine equally applicable to virtually any manufacturing industry.

The UTM is a versatile and valuable piece of testing equipment that can evaluate materials properties such as tensile strength, elasticity, compression, yield strength, elastic and plastic deformation, bend compression, and strain hardening. Different models of Universal Testing Machines have different load capacities, some as low as 5kN and others as high as 2,000kN.

Tests can also be performed in controlled environmental conditions. This is achieved by placing the Universal Testing Machine into an environmental room or chamber. For example, metals testing can be conducted at extreme temperatures: from -196°C (-321°F) to over 1000°C (1800°F).

competitive line of Universal Testing Machines (Universal Tensile Tester) in the industry. Our comprehensive range of Universal Testing Machines includes an extensive portfolio of grips/fixtures, load cells, extensometers, and many other accessories. Supported by excellent service and training, our QM-Series is positioned as a top contender in every application market for material testing. The QM-Series Universal Testing Machines range is designed for quick and reliable tensile, compression, flexural (bending), shear, peel, fatigue cycling, and constant load tests on metals, composites, alloys, rigid plastics and films, elastomers, textiles, paper, board and finished products.

Naugralabequipments

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