UTEST
MATERIAL TESTING EQUIPMENT

CONCRETE

Compression and Flexural Testing Machines

SEMI-AUTOMATIC FLEXURAL TESTING MACHINES

Product Code

UTC-5610.SLP 100 kN Semi-Automatic Flexural Testing Machine

Models for 220-240V 50-60 Hz, 1 ph.	UTC-5610.SLP
Models for 110-120V 60 Hz, 1 ph.	UTC-5610.SLP-N

Standards

EN 1338, 1339, 1340, 12390-5, 12390-6;
BS 1881; ASTM C78, C293, C496

The UTEST Semi-Automatic range of 200 kN capacity flexure testing machine was been designed for reliable and consistent testing of flexural test on standard concrete beams, concrete or natural stone kerbs, concrete paving flags and natural stone slabs and tensile splitting test of concrete paving blocks.

These flexure testing machines are the results of continuous research to upgrade testing machines with latest technologies and to conform to the latest standards EN 12390-5, EN 12390-6, EN 1338, EN 1340, BS 1881, ASTM C78, C293 and C496 in terms of its technical properties taking into account client requirements. These testers also meet the requirements of CE norms for health and safety of the operator.

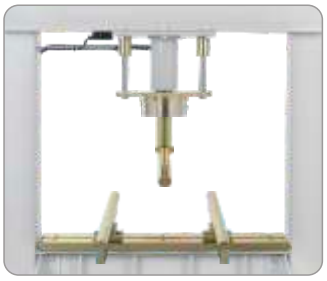
The UTEST Semi-Automatic range of 100 kN capacity flexure testing machines allow inexperienced operators to perform the test.

The flexural testing machines consist of heavy duty welded frame, hydraulic power pack with LPI Battery Operated Digital Readout Unit

UTEST Flexural Machine UTC-5610.SLP is designed to allow easy and practical front loading of the specimens.

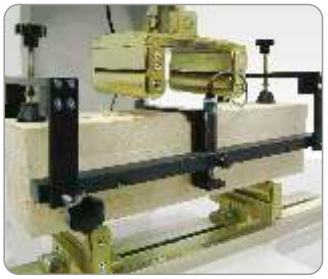
The UTEST range of Flexural Machines have the accuracy of Class 1 starting from 2% of the full capacity.

UTC-5536 with UTC-5502


UTC-5501

UTC-5502

UTC-5503


UTC-5504

Safety Features

- Max pressure valve to avoid machine overloading
- Ram travel switch to prevent excessive piston travel

The test assemblies such as;

- Flexture strengt test of concrete beam(UTC-5501), kerb(UTC-5502) and flagstone(UTC-5504),
- Indirect tensile strengt test of paving block (UTC-0355 and UTC-5510),
- Splitting tensile strengt test of concrete cubes (UTC-0360) and cylinders (UTC-0350),
- Compression strengt test of any condtruction material (UTCM-4116 and distance pieces UTC-4630, UTC-4631, UTC-4633 and UTC-4634) should be ordered separately

Capacity		100 kN
Class 1 range		4-200 kN
Resolution		1/ 65.000
Ram Travel		100 mm
Max. Vertical Clearance		435mm (without accessories)
Max. Horizontal Clearance		860 mm
Max. Clerance Between Lower Rollers		744 mm (with UTC-5501, UTC-5502 and UTC-5504)
Frame		UTC-5610
LPI Digital Readout Unit		UTC-4820.SLP
Overall Dimensions	Frame	1170x515x1130 mm
	Power Pack	300x420x850 mm
Weight (Approx.)	Frame	170 kg
	Power Pack	70 kg

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