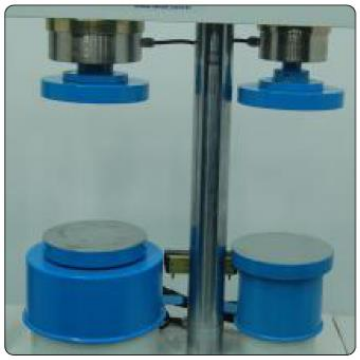
BPS INSTRUMENT
TENSILE TESTING MACHINE

Platens

UTCM-0116 Upper Loading Platen with Ball Seating Assembly Ø:165 mm and Lower Loading Platen, Ø:165mm

Manufactured from high quality steel are hardened (more than HRC 53), smoothed and finished.

The roughness value for the surface texture of machine and auxiliary platens are 3.2µm.



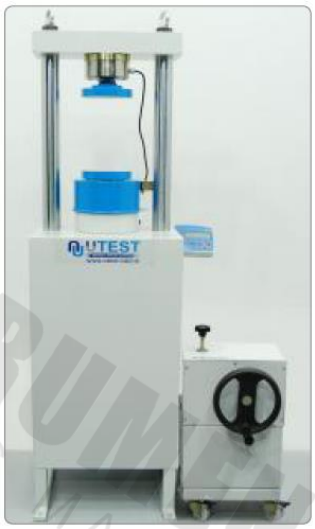
UTEST
MATERIAL TESTING EQUIPMENT

Standards

EN 196-1, 459-2, 1015-11, 13454-2; ASTM C109, C348, C349; BS 3892-1, 4551-1

Product Code

UTCM-6310	250 kN Manual Cement Compression Testing Machine
UTCM-6410	15/250 kN Manual Cement Flexure/Compression Testing Machine
UTCM-0116	Upper Loading Platen with Ball Seating Assembly Ø:165 mm and Lower Loading Platen, Ø:165 mm
UTCM-0120/A	Flexure Jig Assembly to test 40x40x160 mm mortar prisms, ASTM
UTCM-0120/E	Flexure Jig Assembly to test 40x40x160 mm mortar prisms, EN
UTCM-0121/A	Compression Jig Assembly to test 50 mm (2") mortar cubes
UTCM-0121/E	Compression Jig Assembly to test portions of 40x40x160 mm mortar prisms, EN
UTCM-0122	Compression Jig Assembly BS, to test 70,7 mm mortar cubes



UTCM-6310

UTCM-6410

The UTCM-6310 and UTCM-6410 single and double testing chamber Manual compression and flexure testing machines are designed to perform reliable strength and flexure tests on mortar specimens. The manual machines are especially suitable for on-site applications when electric power supply is not available.

Being a low cost alternative, UTEST manual testing series combine precision and simplicity with the unique design of the manual power pack which enables even an inexperienced operator to perform excellent compression and flexure tests on-site.

These manual testing machines conform to the standards EN 196-1, 459-2, 1015-11, 13454-2; ASTM C 109, C348, C349 and BS 3892-1, 4551-1 by using suitable accessories. They also meet with the requirements of CE norms with respect to operator health and safety.

The UTEST manuel cement compression and flexure testing machines consist of very rigid two column single or double chamber frame, manuel power pack and data acquisition system LPI.

Compression and flexture jigs, distance pieces, and also removable transparent front-rear safety doors (should be factory installed) should be ordered separately.

BPS INSTRUMENT
TENSILE TESTING MACHINE

Technical Specifications

Model	UTCM-6310	UTCM-6410	
Test Type	Compression	Flexure	Compression
Capacity	250 kN	15 kN	250 kN
Class 1 Measuring Range	2.5 to 250 kN	0.5 to 15 kN	2.5 to 250 kN
The roughness value for texture of loading and auxiliary platens	≤ 3.2 µm	≤ 3.2 µm	≤ 3.2 µm
Lower Platen Dimensions	165 mm	165 mm	165 mm
Upper Platen Dimensions	165 mm	165 mm	165 mm
Maximum Vertical Clearance Between Platens	263 mm	263 mm	263 mm
Piston Diameter	160 mm	80 mm	160 mm
Maximum Piston Movement	50 mm	50 mm	50 mm
Horizontal Clearance	300 mm	200 mm	300 mm
Oil Capacity	13 L	13 L	
Maximum Working Pressure	125 bar	30 bar	125 bar
Rapid Approach Rate	50 mm/min	80 mm/min	50 mm/min
Dimensions (WxLxH)	760x500x1650 mm	980x500x1650 mm	
Weight	230 kg	375 kg	

The Maximum horizontal clearance for placing the sample is limited by the border of the platens. Sample must be placed such that its ends will not overlap the ends of platens and it must be centered perfectly.

The minimum vertical clearance for the specimen can be adjusted using the distance pieces.