

Product Code

UTAS-0055	Marshall Stability Test Machine with Digital Readout Unit, 50 kN, 220-240 V 50-60 Hz
UTAS-0055/110	Marshall Stability Test Machine with Digital Readout Unit, 50 kN, 110 V 60 Hz
UTAS-0057	Breaking Head (Stability Mould) 4"
UTAS-0058	Breaking Head (Stability Mould) 6"
UTAS-0060	Linear Potentiometric Displacement Transducer, 25x0.001 mm with bracket for UTAS-0057 and UTAS-0058
UTAS-0063	Indirect Tensile Test Jig for Compacted Bituminous Samples 100 mm (4") & 150 mm (6") Dia.

Standards

EN 12697-34, 12697-23, 12697-12 (Method A);
ASTM D1559, D5581, D 6927; AASHTO T245

The UTAS-0055 50 kN Capacity Automatic Marshall Stability Test Machine is used to determine the maximum load and flow values of bituminous mixtures.

The machine comprises of a robust and compact two column frame with adjustable upper cross beam. The unit is a bench mounted compression frame with motor and worm gear housed within the base unit. The mechanical jack raises the lower platen at a constant speed of 50.8 mm/min as required in the relevant standard. For safety, the up and down travel of the lower platen is limited the use of limit switches. Rapid adjustment of the platen is controlled using the up and down buttons on the front panel of the machine.

The measuring system consists of a 50 kN capacity strain gauge load cell fitted to the upper cross beam to read stability values, the 25 x 0.001 mm linear potentiometric displacement transducer fitted to the Breaking Head and two digital readout units (one for load and another for displacement) The UTAS-0056 Automatic Marshall Stability Machine is also suitable for testing 6" dia. specimens (152.4 mm) conforming to ASTM D5581.

The machine can be hand operated by a lateral hand wheel for calibration purposes; the hand wheel is supplied complete with the machine.

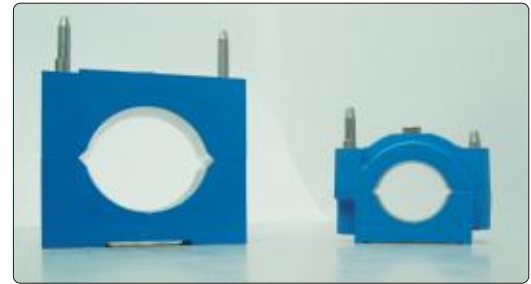
Platen Speed	50,8 mm/min
Capacity	50 kN

The UTAS-0055 Marshall Stability Test Machine is supplied complete with

- Load Cell, 50 kN
- Linear Potentiometric Displacement Transducer with Bracket, 25x0.001 mm
- Hand Wheel for Manual Control
- Breaking Head, 4"

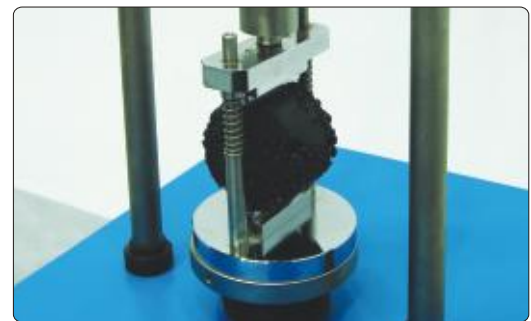


UTAS-0055



UTAS-0058

UTAS-0057



UTAS-0063

Dimensions	550x700x1200 mm
Weight (approx.)	102 kg
Power	1100 W