



Product Code

UTAS-1052	Marshall Stability Test Machine with Proving Ring, 50 kN
UTAS-1057	Breaking Head (Stability Mould) for Ø4" Specimen
UTAS-1058	Breaking Head (Stability Mould) for Ø6" Specimen
UTAS-1063	Indirect Tensile (IDT) Strength/TSR Test Jig / Lottman Breaking Heads with Ø100mm Steel Loading Strips. EN, ASTM, AASHTO, EN, ASTM, AASHTO
UTAS-1064	Pair of Loading Strips for Ø150 mm Bituminous Specimens. EN, ASTM, AASHTO. For UTAS-1063 and UTAS-1066
UTAS-1065E	Pair of Loading Strips for Ø160 mm Bituminous Specimens. EN. For UTAS-1063
UTAS-1066	Indirect Tensile (IDT) Strength / TSR Test jig / Lottman Breaking Heads with Ø4" loading strips. EN, ASTM, AASHTO.
UTAS-1067A	Pair of Loading strips for Ø6" bituminous specimens. ASTM, AASHTO. For UTAS-1066 and UTAS-1063
UTAS-1086	Marshall Penetration Piston for Stability Test for UTAS-1052

Models for 220-240V 50-60 Hz, 1 ph.	UTC-1052
Models for 110-120V 60 Hz, 1 ph.	UTC-1052-N

Standards

EN 12697-34, 12697-23, 12697-12 (Method A);
ASTM D1559, D5581, D 6927, D 6931; AASHTO T245

The UTAS-1052 50 kN capacity Marshall Stability Test Machine with Proving Ring is used to determine the maximum load and flow values of bituminous mixtures.

The UTAS-1052 comprises 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 movement is limited by limit switches.

Rapid adjustment of the platen is also provided using the control buttons on the front panel of the machine.

The measuring system consists of a 50 kN capacity load ring, digital flow meter (dial gauge) fitted to the breaking head. The UTAS-1052 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.

UTAS-1059 Holder for Digital Dial Gauge (UTGM-0148) is used for connecting to UTAS-1057, UTAS-1058 and UTAS-1063

UTAS-1063 supplied with a pair of Ø100mm steel loading strip. Loading strips for Ø150 mm and/or Ø160mm and/or Ø4" and/or Ø6" specimens should be ordered separately.

UTAS-1066 supplied with a pair of Ø4" steel loading strip. Loading strips for Ø6" and/or Ø100mm and/or Ø150mm specimens should be ordered separately.

Breaking head/s and/or indirect tensile strength test jig/s should be ordered separately.



UTAS-1052

The UTAS-1052 Marshall Stability Test Machine is supplied complete with;

- Load Ring, 50 kN
- Penetration Piston for Marshall Stability Test (UTAS-1086)
- Digital Dial Gauge 25x0.01 mm (UTGM-0148) with Holder (UTAS-1059)
- Hand Wheel for Manual Control

Dimensions	470x600x1180 mm
Weight (approx.)	102 kg
Power	1100 W