



Product Code

UTAS-0400	Ductility Testing Machine, 220-240 V 50-60 Hz
UTAS-0420	Ductility Testing Machine with Cooling Unit, 220-240 V 50-60 Hz
UTAS-0430	Force Ductility Testing Machine, EN 13589, 220-240 V 50-60 Hz
UTAS-0402	Ductility Briquette Mould, ASTM D113 and AASHTO T51
UTAS-0404	Ductility Mould Base Plate
UTAS-0406	Ductility Mould, ASTM D6084, AASHTO T300 and EN13589 (force measurement), Brass
UTAS-0408	Ductility Mould, EN 13398

Standards

UTAS-0400 and	
UTAS-0420	: EN 13398; ASTM D113, D6084; AASHTO T51
UTAS-0430	: EN 13589, 13398, 13703; ASTM D113, D6084; AASHTO T51, AASHTO T300

Dimensions	300x1850x550 mm
Weight (approx.)	80 kg
Power	1000 W

The UTAS-0400 Ductility Testing Machine is used to determine the ductility of bituminous materials in a briquette mould by measuring the breaking elongation at a constant speed of 50 mm/min. It is designed for testing 4 specimens simultaneously. The Internal tank is made of stainless steel. The bath is fitted with an immersion heater in order to obtain (in normal conditions), the 25°C test temperature.

Each machine comprises speed control and water circulator to maintain the homogenous water temperature.

The UTAS-0420 Ductility Testing Machine with Cooling Unit has the same specifications with UTAS-0400 Ductility Testing Machine but with an additional cooling unit and It is not possible to convert UTAS-0400 to UTAS-0420.

UTAS-0430 Force Ductility Testing Machine has 4 loadcells. The accuracy of loadcells are $\pm 0,1N$ with a maximum capacity of 300 N. The UTAS-0430 has a cooling unit

UTAS-0430 model is equipped with BC 100 TFT Graphic Display Automatic Control and Data Acquisition Unit. Failure condition can be down loaded to the Unit. Speed can be set and load-displacement curves are drawn through the software.

- Elongation measurement through motor encoder.
- 4 simultaneous load measurement with 18 bit resolution.
- Speed control with servo AC motor between 0,01 to 100 mm/min.
- Ethernet connection for computer interface.

Moulds and mould base plates should be ordered separately for all type machine.

UTEST

MATERIAL TESTING EQUIPMENT



UTAS-0430



UTAS-0400



Ductility Moulds