

Sieve Shakers

Sieve Shaker with Time Adjustment

UTG-0411/UTG-0412

The UTG-0411 and UTG-0412 Sieve Shakers impart a circular motion to the material being sieved so that it makes a slow progression over the surface of the sieve.

The dynamic power source of the Sieve Shakers ensures that the correct vibration is imparted to the sieves and sample for quick and reliable tests. To ensure the sample spends optimum time on the sieve surface, the vertical movement is fixed. The unique vibratory action also helps keep the apertures clear and free from binding.

The Sieve Shakers are equipped with a valuable clamping device that guarantees sieves are held firmly, without over-tightening. The clamping device also ensures the sieves can be quickly and easily removed and replaced. The timer can be preset for any duration up to 60 minutes. The UTG-0412 model has the additional frequency adjustment property.

Sieve Shaker with Frequency and Time Adjustment

UTG-0413

The UTG-0413 is equipped with a valuable clamping device that guarantees sieves are held firmly, without over-tightening. The clamping device also ensures the sieves can be quickly and easily removed and replaced.

The UTG-0413 is a maintenance-free device as it is manufactured from non-corrodible and non-metallic springs. The apparatus is equipped with a timer which can be preset to any duration up to 60 minutes.

The Sieve Shaker has been specially designed to operate with heavy samples without loss of performance. The dynamic power source of the Sieve Shaker ensures that the correct vibration is imparted to the sieves and sample for quick and reliable tests. To ensure the sample spends optimum time on the sieve surface, the vertical movement is fixed. The unique vibratory action also helps keep the apertures clear and free from binding.

Electromagnetic Digital Sieve Shaker

UTG-0414

The UTG-0414 Electromagnetic Digital Sieve Shaker performs a vertical sieving motion and by removing the upper plate it can also be used as a vibrating table for one concrete specimen. The apparatus has an electromagnetic unit which contributes to the vertical motion, which allows for the best possible results with sand and aggregates. Supplied complete with timer.



UTG-0411



UTG-0414

Technical Specifications

UTG-0411/UTG-0412

Sieve Capacity	15 pieces of 200 (8") mm sieves + pan and cover 10 pieces of 300 mm (12") sieves + pan and cover
Dimensions	510x510x370 mm (for both models)
Weight	86 kg (for both models)
Power	250 W (for both models)

UTG-0413

Sieve Capacity	15 pieces of 200 mm (8") sieves + pan and cover 10 pieces of 300 mm mm (12") sieves + pan and cover 7 pieces of 400 mm (16") sieves + pan and cover
Dimensions	650x650x400 mm
Weight	147 kg
Power	370 W

UTG-0414

Sieve Capacity	12 pieces of 200 mm (8") sieves + pan and cover 8 pieces of 300 mm (12") sieves + pan and cover
Dimensions	495x405x945 mm
Weight	30 kg
Power	400 W

Sieve Shakers

Triple Motion Sieve Shaker

UTG-0415

The UTG-0415 has been designed to be used with large batch sizes, large particle sizes or sieves with various sizes. The sieve shaker provides the user with an effective shaking action due to the combination of its jarring and orbital action. Different sieve sizes can be used as the upper and lower cross heads are adjustable. The shaker includes a 30 minute timer and a continuous-stop-timer operation switch.

Motorized Sieve Shaker

UTG-0418

The UTG-0418 Motorized Sieve Shaker can handle a range of sieve dimensions with its uniform shaking action. The shaker can handle up to 10 x 8", 12 x 5" and 16 x 3" full-height sieves, and 18 x 8" half-height sieves. Mounting of the shaker is required.

Rotatap Motorized Sieve Shaker

UTG-0416

Mounting is not required for the UTG-0416 Rotatap Motorized Sieve Shaker, which has been designed to be used especially for 8" diameter sieves. The shaker has an impressive sieving action due to the 278 oscillations and 150 taps per minute that it produces. The Rotatap Motorized Sieve Shaker can handle up to 6 x 8" sieves at full-height and 13 x 8" sieves at half-height.



UTG-0415



UTG-0418

Technical Specifications

UTG-0415

Sieve Capacity	10x of 200 mm (8") sieves plus pan and cover 8x of 250 mm (10") sieves plus pan and cover 6x of 300 mm (12") sieves plus pan and cover
Max. Sample Weight	Up to 4500 g depending on sieve size
Orbital Action	327 oscillations per minute (approx.)
Jarring Action	40 vertical blows per minute

UTG-0416

Timer	99 minute, digital
Dimensions	635x710x535 mm
Weight (approx.)	90 kg
Power	¼ HP

UTG-0418

Timer	30 minute, analogue
Dimensions	380x380x1145 mm
Weight (approx.)	30 kg
Power	¼ HP

Sieve Shakers

High Capacity Screen Shaker

UTG-0420

The UTG-0420 High Capacity Screen Shaker is used for sizing large quantities of crushed stones, sand, gravel, slag, coal, coke, ores, pellets and similar materials. The screen shaker should be used with 667x452x67 mm screens and has a capacity of approximately 30kg of sample. The shaker is supplied complete with 6 screens and 1 pan capacity. The UTG-0420 model is time-controlled. Woven wired or perforated plate screen trays in various sizes are available and should be ordered separately.

The UTG-0420 is supplied complete with:

- Pan (UTG-0425)



Technical Specifications

Screen shaker	
Dimension	587x787x850 mm
Weight (approx.)	170 kg
Power	550 W
Screen Trays	
Dimensions	667x452x67 mm
Weight (approx.)	7 kg

About PCTE

PCTE have over 30 years' experience in the measurement and testing of construction materials. PCTE can provide more than just the equipment, they can provide expert training. PCTE have a service centre in Sydney in which they can provide calibration, repairs and warranty repairs.

Other Equipment

PCTE supply three main ranges: NDT, Lab and Geotech Instrumentation.

NDT includes: Rebound Hammers, Covermeters, Ultrasonics, GPR, Corrosion Testing, Coating Testing and Foundation Testing

Lab includes equipment for: Concrete, Cement, Aggregate, Soil, Asphalt and Metal

Geotech Instrumentation includes: Strain Gauges, Piezometers, Inclometers, Extensometers, Tiltmeters, Load Cells and Dataloggers