The resistance to abrasion, wear and polishing are critical for the performance of aggregate that will be used in paving and road base applications. The following systems offer a number of testing method for the characterization of aggregates along with tiling and paving products.

**Los Angeles Abrasion Machine**  
UTA-0600  
The Los Angeles Abrasion Machine is used to evaluate resistance to fragmentation and wearing due to friction. Aggregate sample is tumbled inside of the drum for a fixed number of revolutions. This system has the following features:
- Digital counter and auto stop after testing
- Optional soundproofing cabinet
- Safety stop on door opening
- 31 - 33 r.p.m
- 711 mm Internal Diameter
- 508 mm length

**Micro Deval Apparatus**  
UTA-0620  
For determining the resistance to wear of aggregates. The Micro Deval Testing Machine. The test tumbles aggregate in a drum with steel abrasive balls and water. Supplied with:
- Ø200 x 154 mm drums
- Optional Ø200 x 400 mm drum
- Digital counter and auto stop after testing
- Safety cover
- Supplied with 25 kg of 10mm steel spheres

**Nordic Abrasion Machine**  
UTA-0750  
Developed to test the resistance of aggregates to wear by abrasion from studded tires. A similar test to the Micro Deval test but with larger diameter balls.
- Internal Diameter 206.5 mm, Internal Length 335 mm, wall thickness 6mm, rotation at 90 rpm
- Digital counter and auto stop after testing
- Safety cover
- Supplied with 5 kg 15 mm steel spheres
Abrasions, Wear and Fragmentation

**Accelerated Polishing Machine**
UTA-0810
Simulates the polishing action of vehicle tires on road surface. Consisting of a road wheel rotating at 320 rpm, abrasives are fed to contact point with test sample for a three hour coarse and three hour fine polishing cycle.
- Supplied with Corn Emery and Flour Emery for coarse and fine testing
- Specimen molding equipment included
- Control stone and Friction test reference stone must be ordered separately

**Skid Resistance and Friction Tester**
UTA-0830
Portable Skid resistance testing system. Suitable for site and laboratory testing and for testing polished specimens from the accelerated polishing machine.
- Secondary scale for Polished Stone Value testing
- Provided with 3 rubber sliders for onsite use, including conformity certificate

**Wide Wheel Abrasion Testing Machine**
UTA-0610
Test system for determining the resistance to abrasion for paving products including tiles, concrete pavers and natural stone pavers.

**Böhme Abrasion Testing Machine**
UTA-0615
Test system for determining resistance to abrasion for concrete and natural stone pavers.

**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, Inclinometers, Extensometers, Tiltmeters, Load Cells and Dataloggers