

## Static Contact Angle Measuring Instrument

Regarding to new frontiers in different laboratories such as Materials Science, Chemistry, Physics, Mining, Metallurgy as well as Bio-Materials to study the wetting behavior of different kind of surfaces, thin and nano-films as along with investigating the effect of surface roughness and embedded nano-particles on coatings and surface layers, based on standard method of analysis simple and user friendly Instrument has been developed (model SCAM-1).

This instrument is able to automatically analysis the static contact angle of fluid droplet above a particular surface.

application	aim
Thin films	wettability and effect of roughness on it
Nano films	surface inhomogeneity along with surface pinning by fluids
Paint/Color	surface inhomogeneity and fluid spreading
Bio	wettability, pinning, surface inhomogeneity
Oil and other	wettability



**Competitive features** it has a simple Persian language based user friendly software along with ability to apply any fluids on the surface opposite to usual instrument which is calibrated for mostly water.

**Feature** simple instruction, user friendly software, 120 frames per second monitoring the surface properties, high resolution photography with special contrast required for wettability analysis and easy to use