# **Contact Angle Analyzer Phoenix-Smart**

The Phoenix series is designed to offer the flexibility required for Q.A, R&D and engineering process development. The Phoenix-Smart (M.A) has been especially designed to be an upgradable and portable device that is easy and convenient to use. The Phoenix-Smart (M.A) is virtually measure any sample size without sample cutting preparation. Light-weight means simply control device and simply handling. Phoenix-Smart (M.A) adopted USB type camera. Easily connect to notebook and desk top computer device with Surfaceware software.

### Features

- Data checking instantly without open analysis window by preview result function High-resolution and powerful image capture system
- · Able to connect to Notebook or Desktop PC via one port
- · Improved precision and reproducibility by the elimination of operator error
- Device Inner condition checking window
   The Up-gradable basic design (manual to Auto one drop)
   Light-weight
   LED light source

- · Applicable to ultra-low contact angle of high light reflection

- · Sessile drop method
- Sessile drop method
   Static contact angles
   Surface tension by pendent drop method

- Easy surface energy calculation process
   One Touch button control drop volume, capture time (Auto drop model)

- (Manual & Auto drop model)
- Sequence image is captured by appointed interval time basis
  Data comparison function
  Precisely calculates drop volume
  Auto captures at Thermodynamic equilibrium
  Auto avoid image noise (New function)



Phoenix-Smart (M) (Manual)

# Typical Application

- · Semiconductor applications.
- · Detection of organic contamination on PCB and electronic components.
- · Evaluation of cleanliness / treatment / coating processing.
- · Inormation of hydrophobicity or hydrophilicity solid surfaces.
- · Biological application such as the detection and characterization of proteins.
- · Analysis of plasma treatments to increase the wettability on polymers surfaces.

## Technical Data

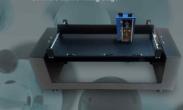
- · Sample size Virtually unlimited
- · Light Source
- · Contact Angle range
  - ± 0.1 deg

- Surface tension range
   Connecting type
   Operating system
   Dimension (mm)
  - Manual: 90(W) x Buttom 56(D) x 159(H)
  - Auto type: 90(W) x 80(D) x 159(H)



Phoenix-Smart (Manual, Auto one drop)

· Software control tilting stage







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erve the right to change specifications without notice



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