

Contact Angle Analyzer

Phoenix-i



The phoenix series is designed to offer the flexibility required QA, R&D and engineering process development.

Phoenix-i is a quite simple and virtually measure any sample size without sample cutting prepare.

Light-weight means simply control device and simply handling.

Phoenix-i adopted USB type camera. Easily connect to note book and desk top computer device with Surfaceware8 software.

Features

- Data checking instantly without open analysis window by preciew result function
- High-resolution and powerful image capture system
- Available to connect to Notebook or Desktop PC via USB port
- Improved precision and reproducibility by the elimination of operator error
- Inside of device condition checking window
- Light-weight
- LED light source

Capabilities

- Static contact angles
- Sequence image capture by appointed interval time basis
- Surface energy
- Real time contact angle display (preview function)
- Sessile drop / surface tension by pendent drop method.
- Precise calculate drop volume.
- Data comparison function.

Phoenix-i



Typical Application

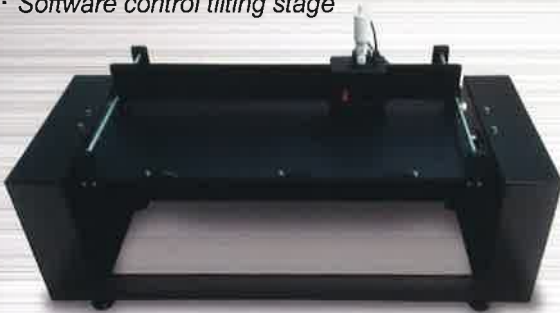
- Semiconductor applications.
- Detection of organic contamination on PCB and electronic components.
- Evaluation of cleanliness / treatment / coating processing.
- Hydrophobicity and hydrophilicity of solid surfaces.
- Biological application such as the detection and characterization of proteins.
-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

Technical Data

- | | |
|-----------------------|---|
| • Sample size | Virtually unlimited |
| • Max Measuring speed | 70 FPS |
| • Light Source | LED |
| • Contact Angle range | 3°~180° |
| • Accuracy | ± 0.1° deg |
| • Connecting type | USB |
| • Operating system | Windows XP, Window 7, Window 8 |
| • Dimension (mm) | 90(H) except syringe height x 90(W) x 50(D) |
| • Weight | 450g |

Option

- Software control tilting stage



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