

A new level of designing performance and flexibility

It is the world's first model that can be used by turning the equipment, the individual modules can be separated, and the length of each main frame can be selected to change the model to suit almost all samples.

Any Sample

By the transform device, able to make suitable condition of hardware easily

Any Application

All modules are placeable for several different sample

New stage1.

· Every main frame is able to change the length for It's sample figure



New stage2.

- · Use it on horizontally and vertically
- · Depend on sample feature It can be transformed



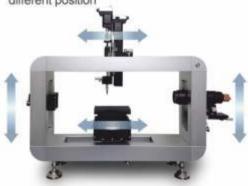


Vertical mode



New stage4.

 Every module is able to make different position



New stage5.

 Every module is able to change each position



New stage6.

· Without tools able to change position



Features

- Flexibility: Easy to upgrade (Manual → Auto one drop → Single touch → Multi syringes Touch) by modularization
- · Automation : Automatic measurement progress at once
- · User friendly: Easy to transform for changed sample figure
- · No need the tools: No need tools required for modules change
- · Module position changeable: According to Sample figure is changed, Module is able to change the position
- · Huge Application Thin sample: use on Horizontal platform

Thick sample: move all module (camera, light, stage, head) and turn device

Data output: Data can be exported as an Excel file, offering the highest flexibility

Capabilities

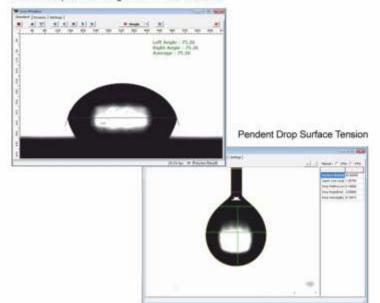
- Static/dynamic contact angle (captive method & tilting method)
- · Surface energy calculation
- · Surface tension and interfacial tension by Pendent drop method
- · Curved sample measurement
- · All process (from make drop to measured data) are by one click (at touch system)

SEO Contact angle & surface tension analyzer

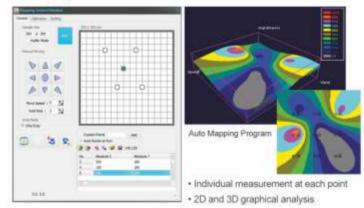
Optioani Basic

Phoenix-MT(M) Phoenix-MT(A) Phoenix-MT(T) Remark Main frame (High class surface 0 0 Upgradeable treatment) Linear guide Dispensing type Touch drop Manual Auto one drop Upgradeable X.Y axis XY axis Sample stage fixed Upgradeable frictional sliding linear sliding Titing + Camera stage Titing fixed moving F&B Software Static contact angle 0 Dynamic contact angle Upgradeable Surface tension by pendent drop Auto one drop capture 0 Upgradeable Curved sample Upgradeable measurement All process are 0 0 Upgradeable automatic Main options Mapping control 0 0 X of sample stage Syringe heating ('C/'F) 0 0 0 Amb to (180 / 358) Heating plate ('C/'F) 0 0 0 Amb to (350 / 662) Cooling chamber ('C/'F) 0 0 Amb to (-40 / -104) 0 0 0 Heating chamber ('C/F) Amb to (350 / 652) 0 Nano / Pico dispensing 0 Ö Up to 60 Picoller 0 Captive bubble kit

Sessile Drop Contact Angle with Preview Results



Auto mapping



Technical Data

Entire tilting system

- · Max.Sample size (LxDxH, in/mm)
- · Device Dimension (LxDxH, in/mm)
- Lens
- Max.Measuring speed
- Contact Angle range
- Accuracy
- Surface tension range
- · Connecting type
- · Operating system
- · Power

 $15.7 \times \infty \times 13.7 (400 \times \infty \times 350)$ Standard or Customizing

0

31.5 x 6.2 x 23.6 (800 x 160 x 600) Standard or Customizing

0-90degree

High resolution Zoom & focusing

70 / 315 (Optional) F.P.S

0'~180' dea

Ö

± 0.1" deg (standard Calibration)

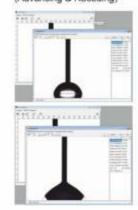
0.01 ~ 2,000 Dyne / Cm

USB 2.0, 3.0

Windows 7, Window 8, Window 10

110 / 220 volt, 50 / 60Hz

Dynamic Contact Angle (Advancing & Receding)



Surface Energy Calculator (1) (1) (1) (1) (1) (1) (1)



