

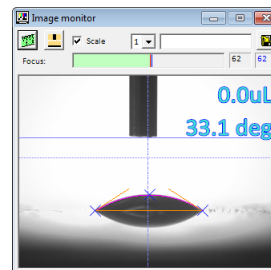


## Automatic Recognition of Drop Deposition

It allows measuring contact angle at a regular time after drop deposition.

## Live Image & Focusing Aid

The image monitor displays the live image of the actual droplet, the values (droplet volume, contact angle), and the signs to determine the results (fitting curve or points, baseline and tangent line). The focus aid is displayed with index graph and numerical value to eliminate personal error of focusing.

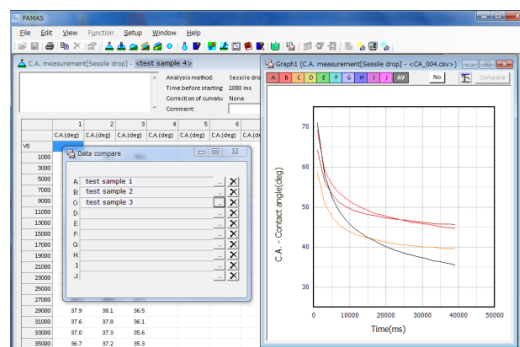


## Threshold Level Adjustment

Threshold level to determine image binary can be adjusted before and after measurement. Both relative and absolute adjustments are possible to apply the optimized image analysis.

## Graphing

Contact angle data versus time can be drawn on a graph. Besides the contact angle, variable data as shown below are also selected for graph data.

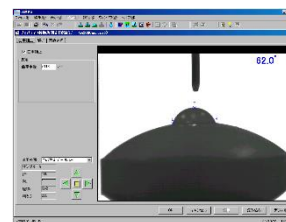


## Variable Data Presentation

Besides contact angle, drop volume, absorbing amount, ratio of droplet remained volume, droplet height and width are obtained.

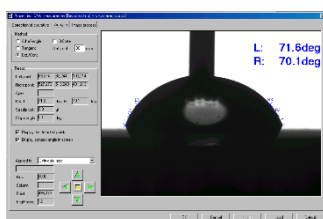
## Correction of Curvature

Data correction on a convex surface such as lens and tube (in cross section) is possible by giving the radius of curvature.



## Optional Add-in Software

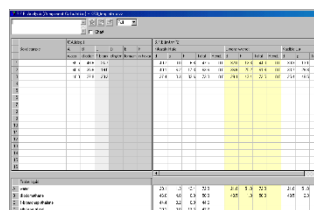
Variegated functions as below software are available as the FAMAS add-in software.



### Dynamic contact angle

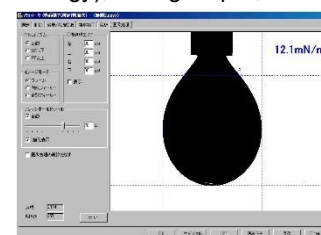
[Extension & Contraction method]

Measures advancing/receding angles by increase and decrease of captive drop volume.



### Surface free energy

Analyzes solid and liquid surface free energy. Geometric mean, Harmonic mean, acid-base, Interaction analysis (work of adhesion, interfacial free energy), Young-Dupré, Zisman



### Sliding angle

Obtains advancing/receding angles under tilting solid base. The base angle when droplet gets sliding is defined as Sliding Angle.



### Pendant drop

Measures surface/interfacial tension of liquid samples by pendant drop method.