

# K. SAKAI LAB.

## Rheological Research on Liquids



Department of Fundamental Engineering

Department of Applied Physics, Graduate School of Engineering  
 Nano-Rheology Engineering

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### Manipulate Liquids and Measure the Properties!



We are developing new and fantastic techniques for investigating the characteristics of liquids with Optical, Electric or Magnetic field.

#### Direct Observation of Inkjet Droplets

Original system for observation of inkjet micro-droplets.  
 Useful for micro fluidics!

#### EMS Rheometer RheoBox™

New viscometer based on EMS method with several amazing features!  
 No-contact, Small amount of sample, Simple operation, etc.

#### Non-contact Exploring of Liquid Surface

We can get information about liquid surface from surface micro-motion by electric field.  
 Without touch!

#### ReD Surface Tensiometer

Measuring Device for surface tension from the distortion of drop in rotator.  
 Good for High surface tension!

