

# K. SAKAI LAB.

## Rheological Research on Liquids

Department of Fundamental Engineering



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

<http://sakailab.iis.u-tokyo.ac.jp>

### Amazing Techniques for Measuring Properties of Liquids !



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!

