

# JIKAN

measuring the rhythm of science

## Automatic Contact Angle Goniometer and Tensiometer

### CAG-10 Model

#### Contact Angle Goniometer

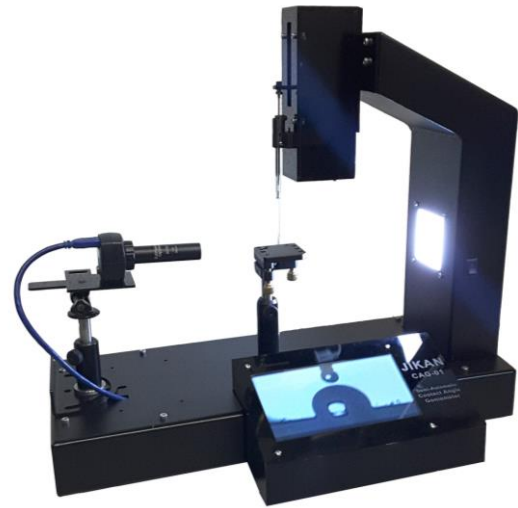


- **Measuring Static, Advancing and Receding Contact Angle & Contact Angle Hysteresis**
- **Touch Screen Display for More Practical Settings**
- **Innovative Image Processing Software Using Sub-pixel Method**
- **Environmental Condition Analyser**

Jikan company, 4th floor, Mechanical  
Engineering Department, University  
of Tehran, Tehran, Iran.  
Tel.: +98 21 61117799

# Semi-Automatic Contact Angle Goniometer and Tensiometer

Jikan CAG-10 is a semi-automatic device that measures static contact angles as well as advancing and receding contact angles. By using this device you can automatically inject different volume of droplets with a desired velocity on the sample. The camera will capture the droplet image and you can watch its image on the screen display and the software will measure all the angles that called before.



Technical Data	JIKAN CAG-10
Measuring range	0-180°
Measurement resolution	0.01°
Camera	<ul style="list-style-type: none"><li>• 10-bit CMOS camera with IDS interface</li><li>• 60fps (1280×1024), Global shutter`</li><li>• Video Sequences</li></ul>
Optics	<ul style="list-style-type: none"><li>• Telecentric lens with <math>\pm 1</math>mm working distance tolerance (optional)</li><li>• LED light source</li></ul>
Input/output	USB 3, HDMI
Power supply	220-240 V, 50 W, AC

## Features

- Using SPPF (Sub Pixel Polynomial Function) method for high accurate image processing
- Simple access to camera and environmental information such as temperature and humidity by Touch screen display
- Controlling light source and driver temperature

<http://me.ut.ac.ir/SNE>

[Jikan.company@gmail.com](mailto:Jikan.company@gmail.com)