

Digital Microscope

User Manual

Thank you for Purchasing our Digital Microscope it is a slim type tool and can be easily used in different fields including

Specification

Image CMOS Sensor

Controller High Speed DSP (Driver Free available)

Focus Range 0mm ~ 40mm

Snap Shot Software and Hardware

Video Capture Resolution 0.3MP-2.0MP

Built-in 8 White-light LED and adjustable illumination ensure the magnified images are clear and bright

Still Image Capture Resolution 640X480-1600X1200

Frame Rate 30 f/s under 600 LUX Brightness

Digital Zoom 5X Sequence Mode

Brightness Control Manual adjustment

Magnification Range :200X\300X\500X\600X\800X\1000X\1600X (Model differences)

Power Supply USB Port (5V DC)

USB 2.0 & USB 1.1 Compatible

Operation System Windows XPVistaWin 7 32 bit and 64 bit.

Language: EnglishChinese and other language by selection

System Requirement: Pentium Computer with 700M Hz & above

20M HD Space CD ROM Driver64MB RAMDirect X VGA Card

CD disk Driver and Micro-Measurement Tool

Product dimension 112 mm (L) X 33 mm (R)

Product net weight: 380g

Available color: Matting blackUV black; and other colors.

Notes before use

- 1. Don't disassemble the digital Microscope or change the interior parts it can cause damage.**
- 2. Don't clean the Microscope with alcohol organic solvents**
- 3. Don't touch the lens with your fingers.**
- 4. Avoid outdoor use if possible.**
- 5. Storage temperature 0°C ~ 40°C Humidity: 45%RH ~ 85RH%.**
- 6. In case the product gets wet leave PC connection immediately. And do not disassemble or dry by hair dryer. Send to repair center if the digit**

microscope was effected by liquid or other elements.

7. Measurement Data only for reference.

Product Outlook & Standard parts

1. Digital Microscope (1pcs)
2. USB 2.0 cable
3. Metal fixed Stand (1pcs)
4. CD ROM (DriverMeasurement softwareUser Manual)

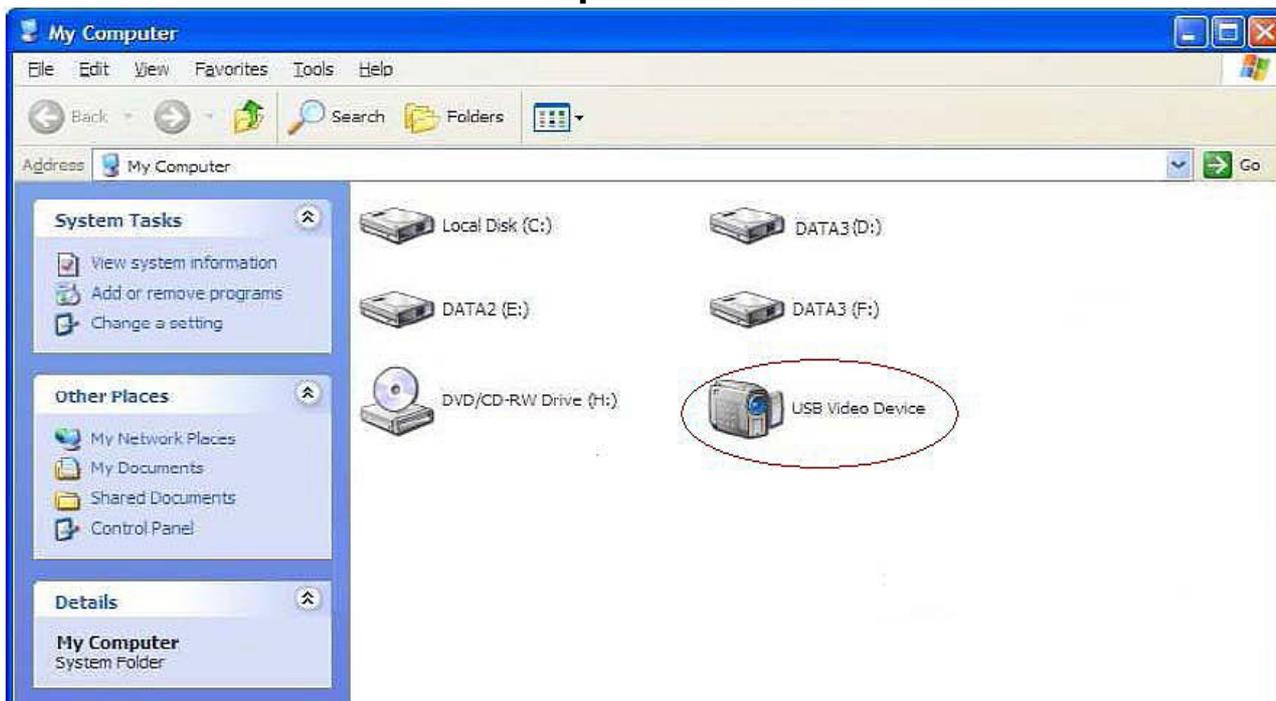
Hardware system requirements

Windows 2000 、 XP 、 VISTA 、 WIN7 Pentium 1GCeleronAMD 1G & above128MB Memory150MB Hard Disc memory space16-bit & above VGACD-ROMUSB2.0 or USB1.1.

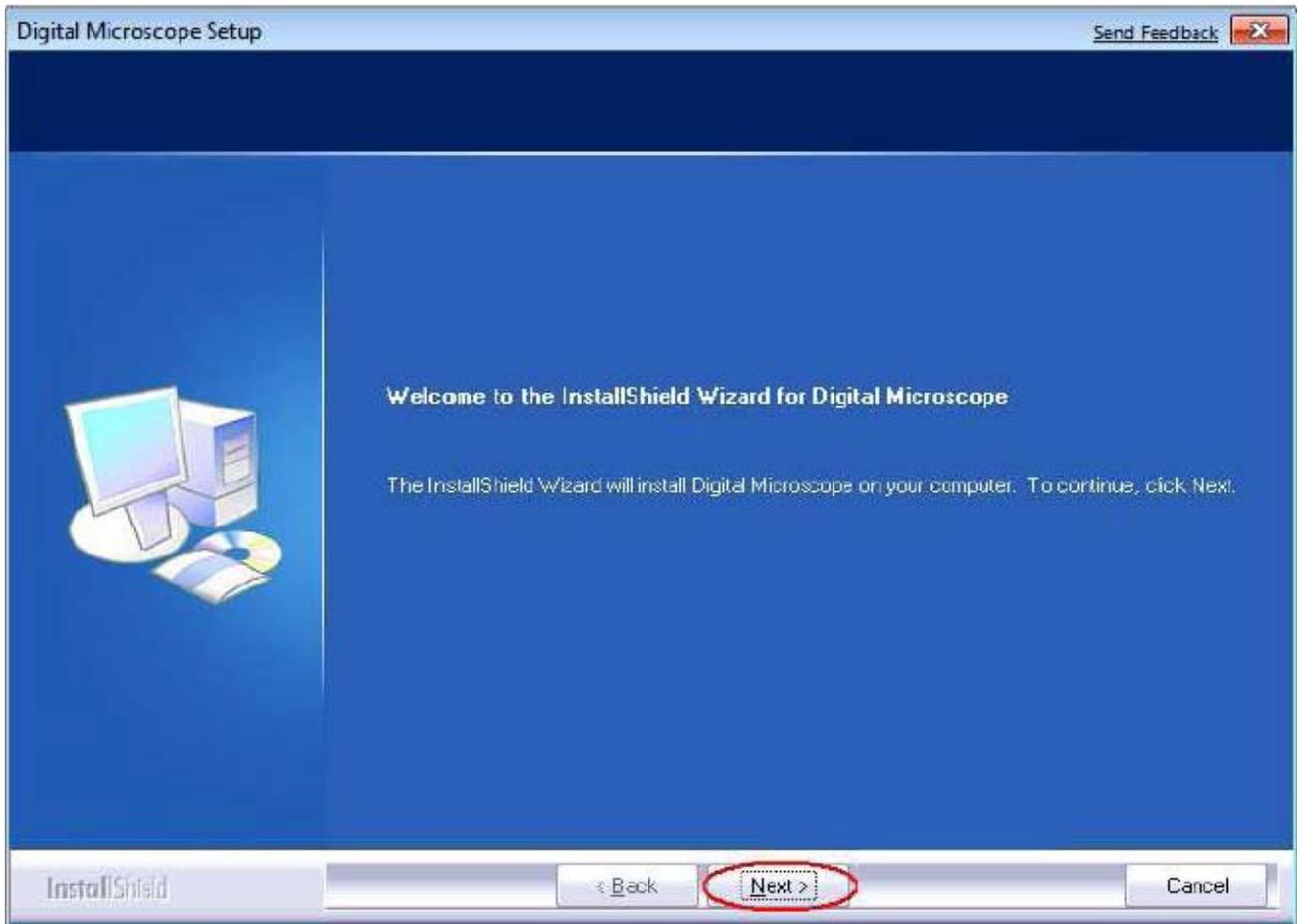
How to install the Driver

Digital Microscope is a free Driver Product , it can be worked immediately after connected to the computer with operation system above win2000 version.

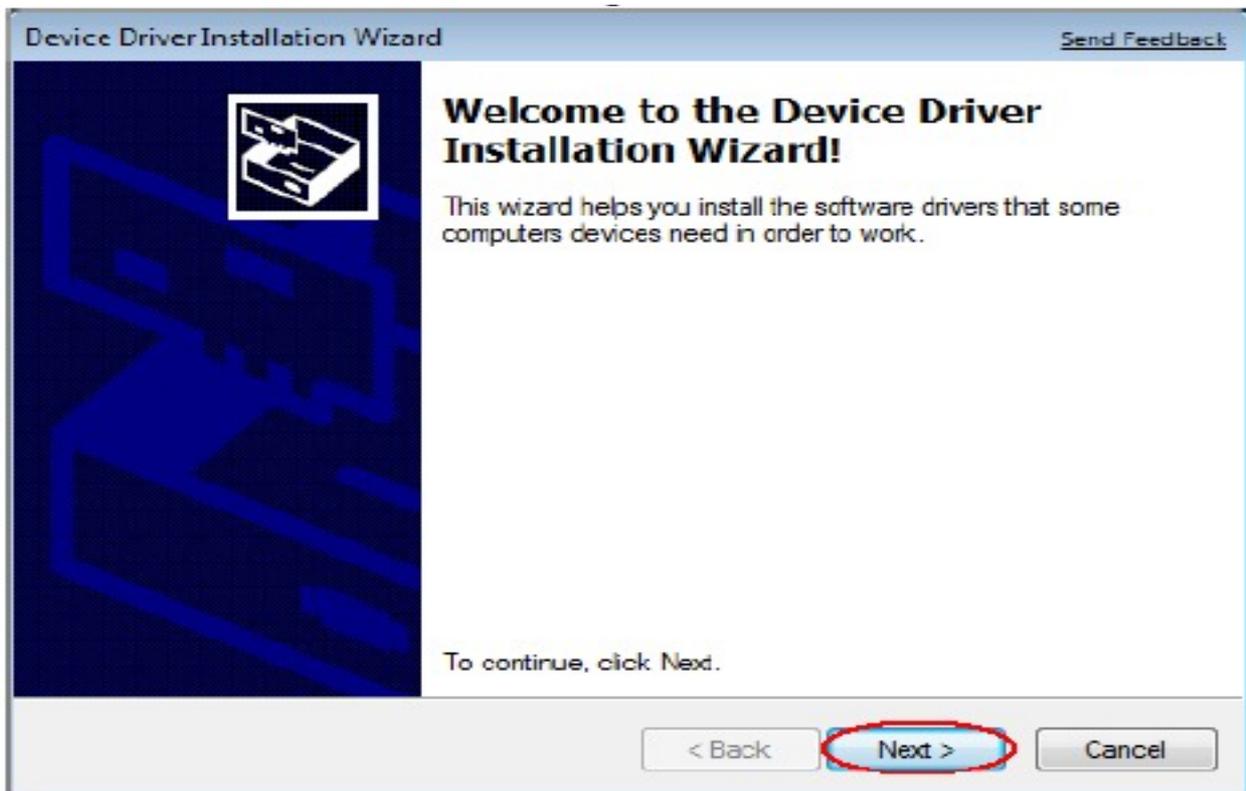
1. Connect the Portable digital microscope by USB2.0 cable to your computerdouble click 'my computer' icon on your computer desktop below interface will be shown up.



2. Double click the Video device icon as above red marked in your computer. Now it is ready to use.



Click "next" to continue, as followings:

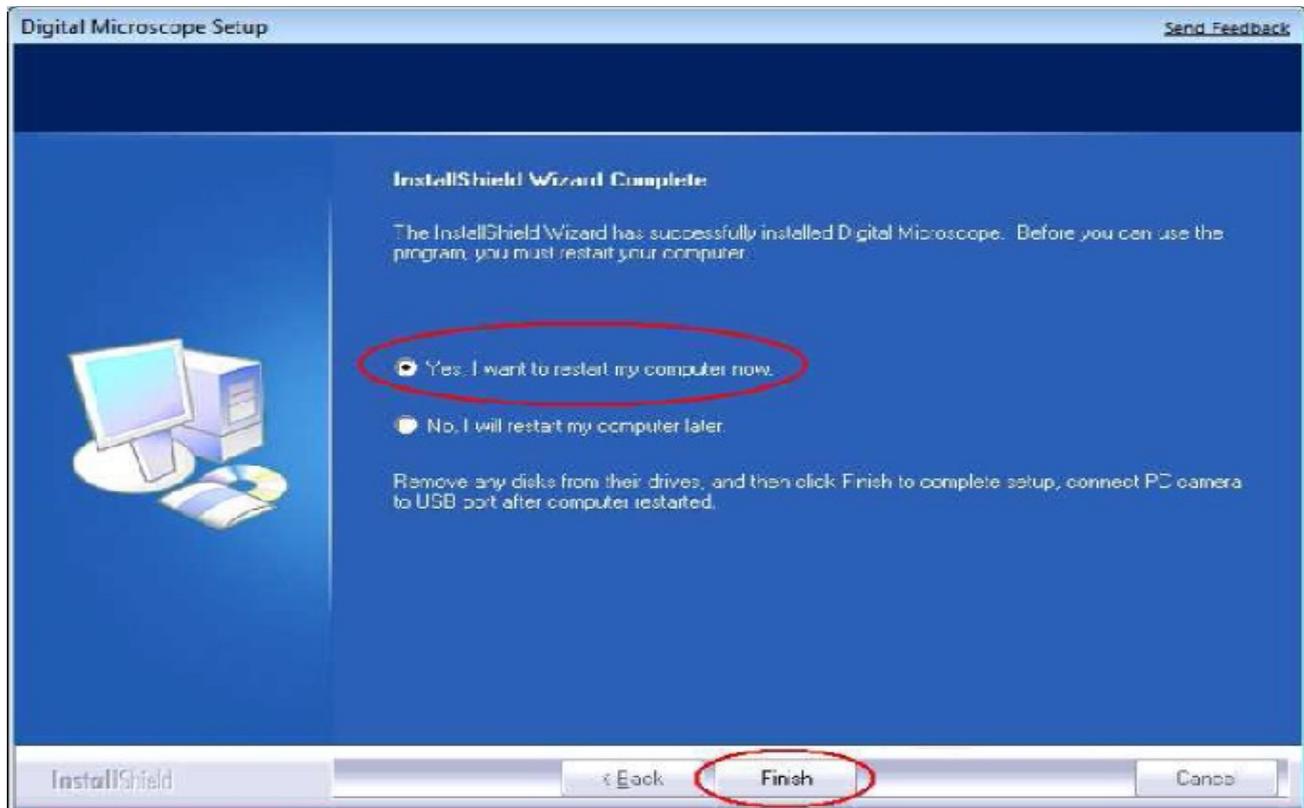


Click “next” to continue, as followings:



Click “continue Anyway” as followings:



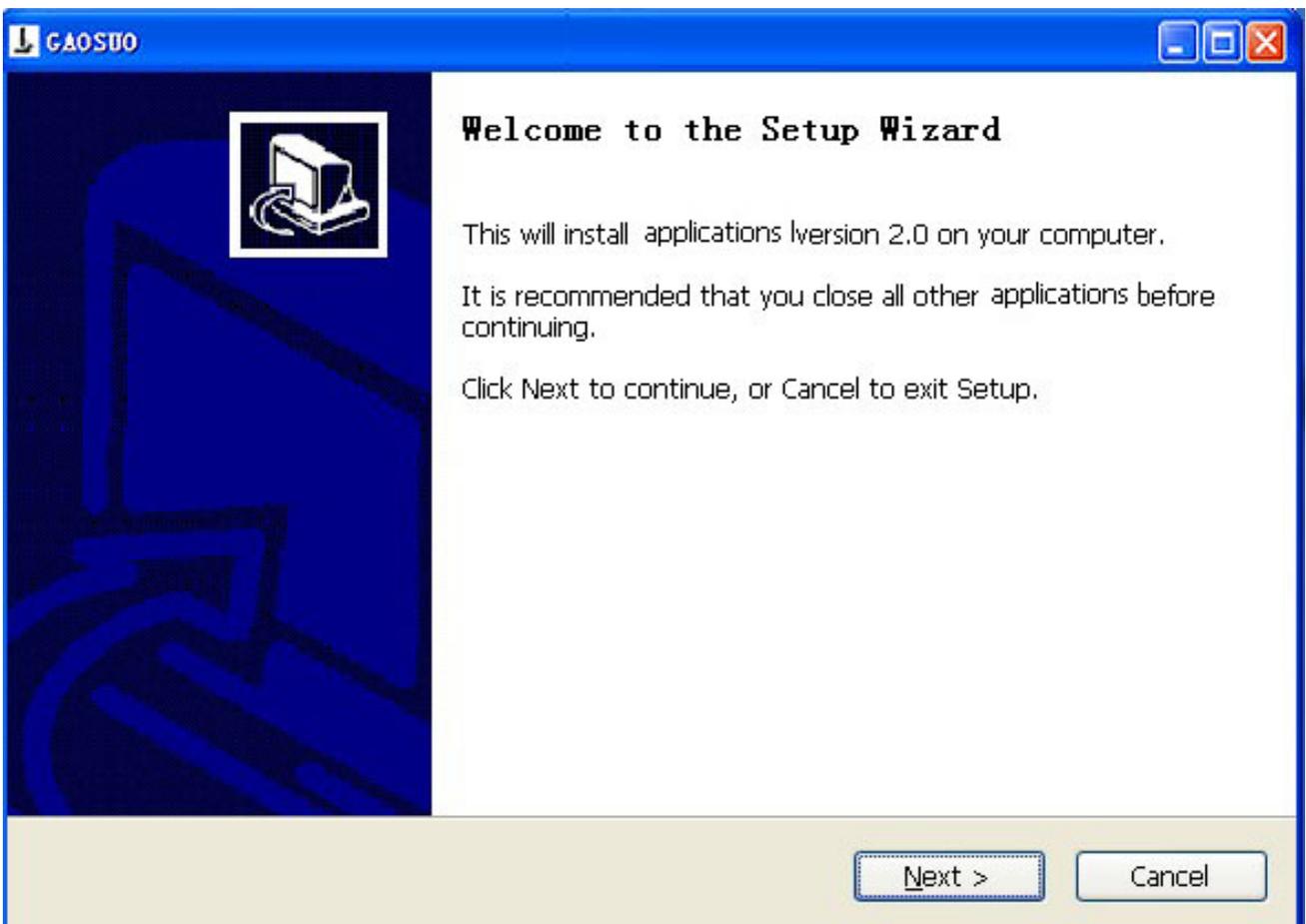
Click “Finish” to continue, as followings

Select 'Yes! want to restart my computer now'and click “finish”.

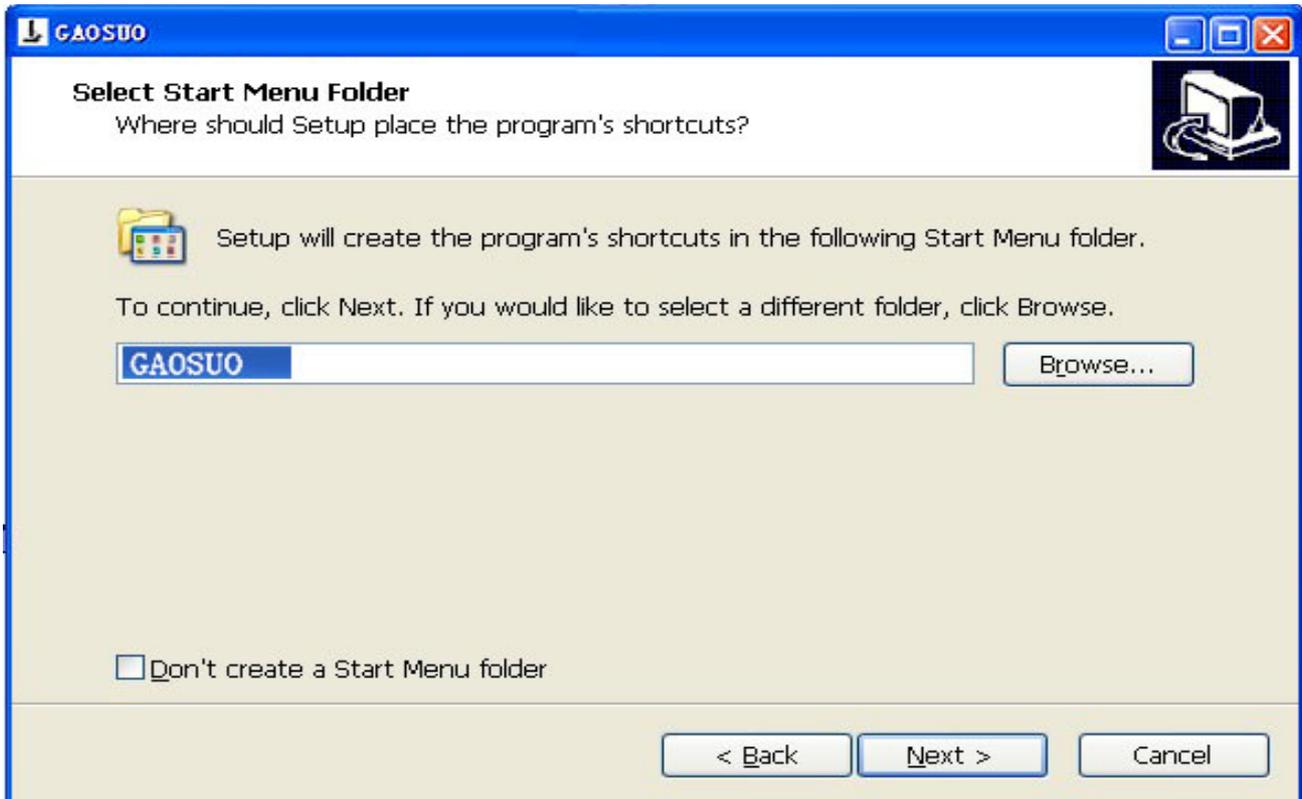
After restart your computerPlug-in the USB port of Digital Microscope into Computer USB port. Following the user guide by steps and complete by click “Next” - “Continue anyway” - “Finish”.



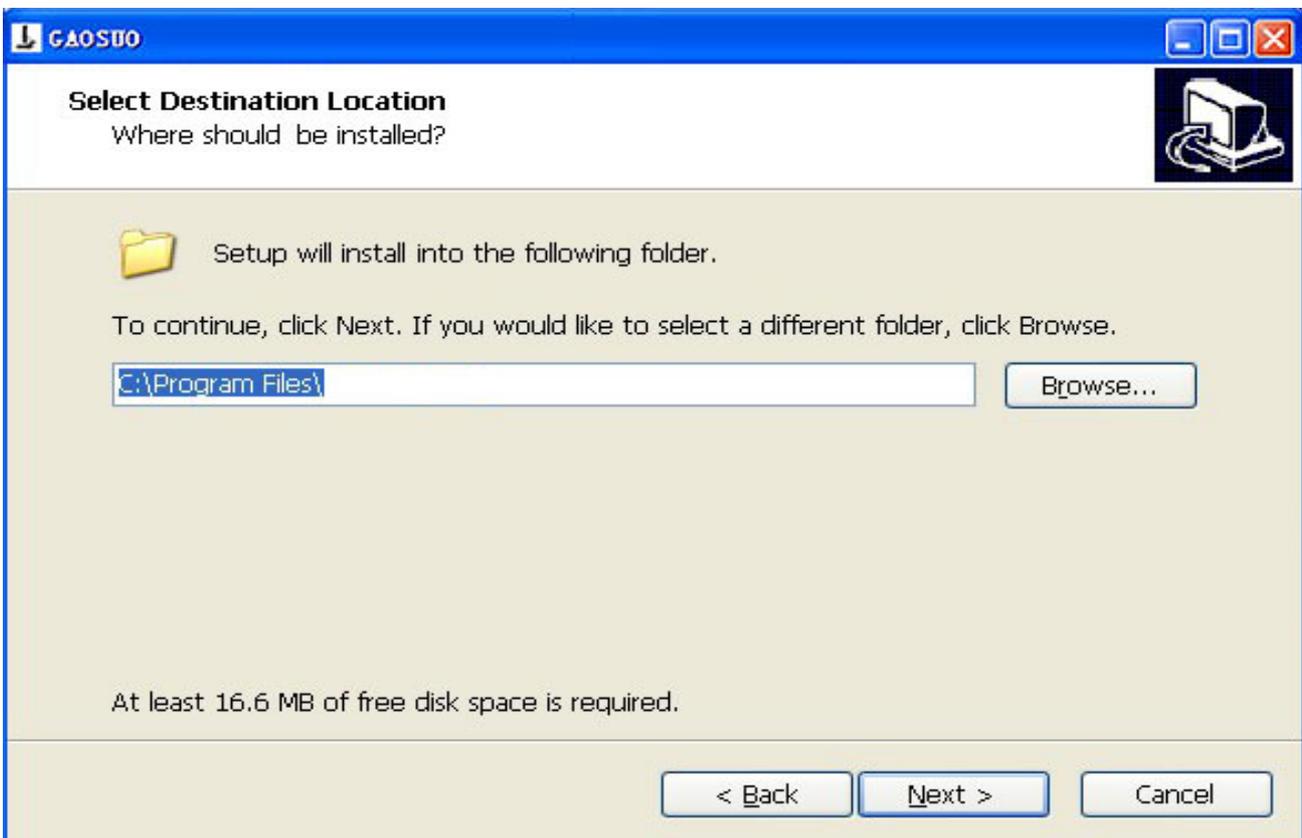
2 Measurement installations:



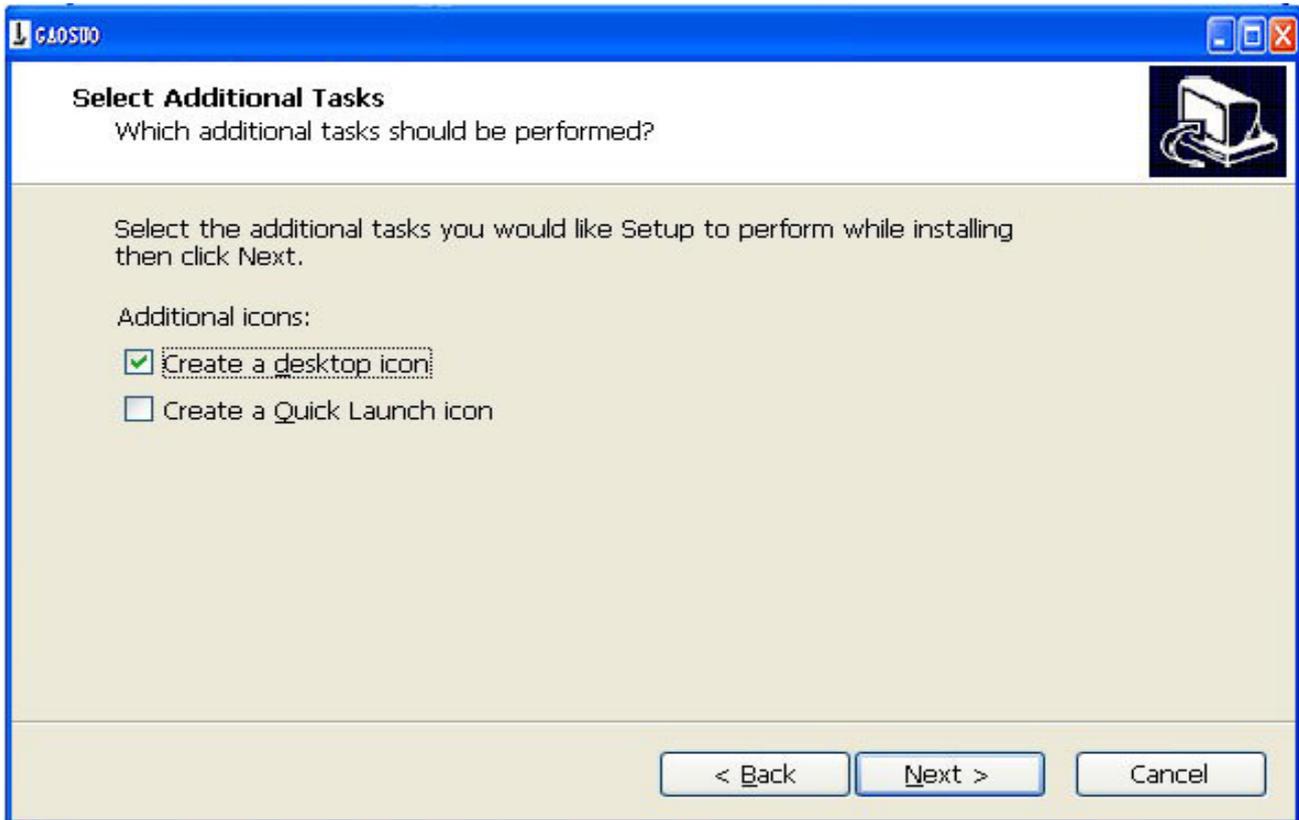
2 Click “next” to continue as follows



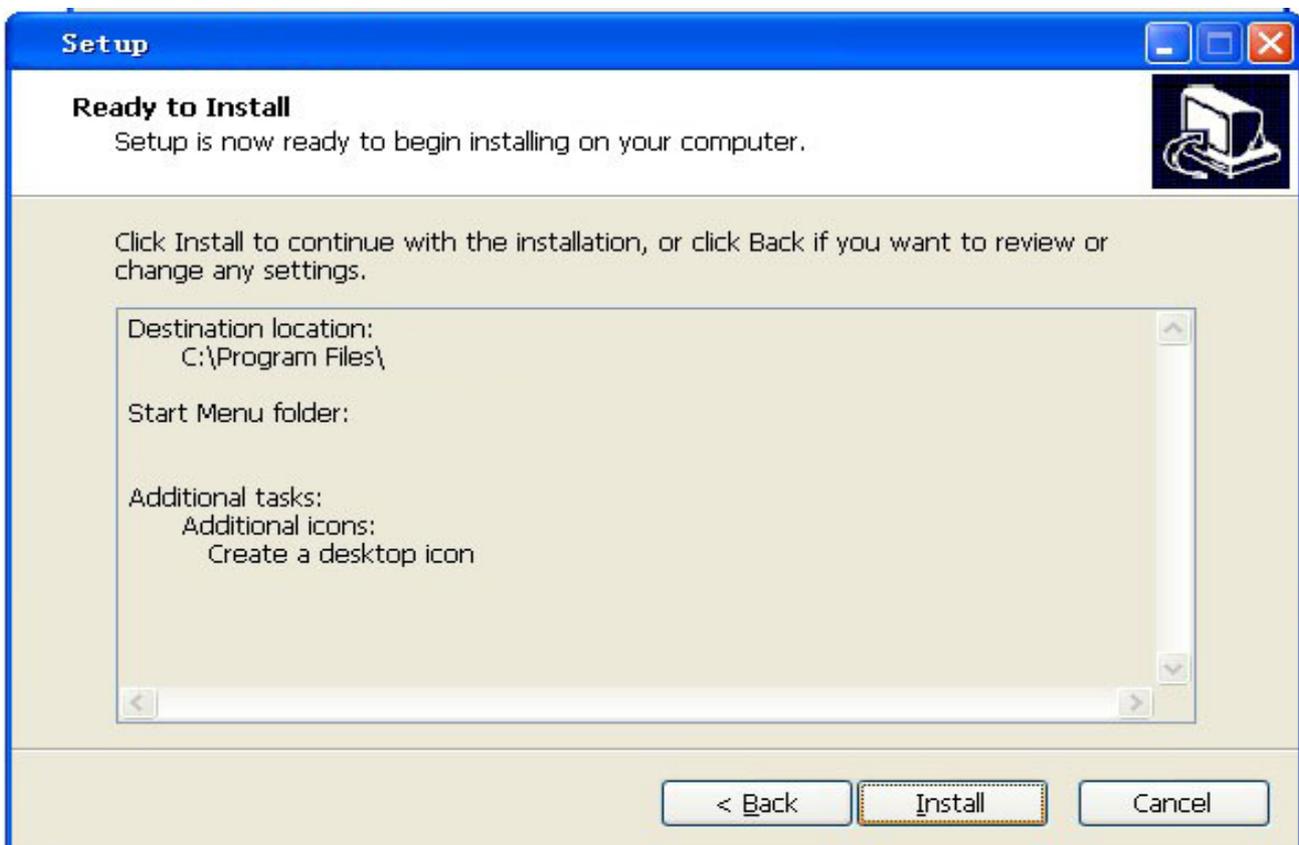
3. Click “next” to continue as follows



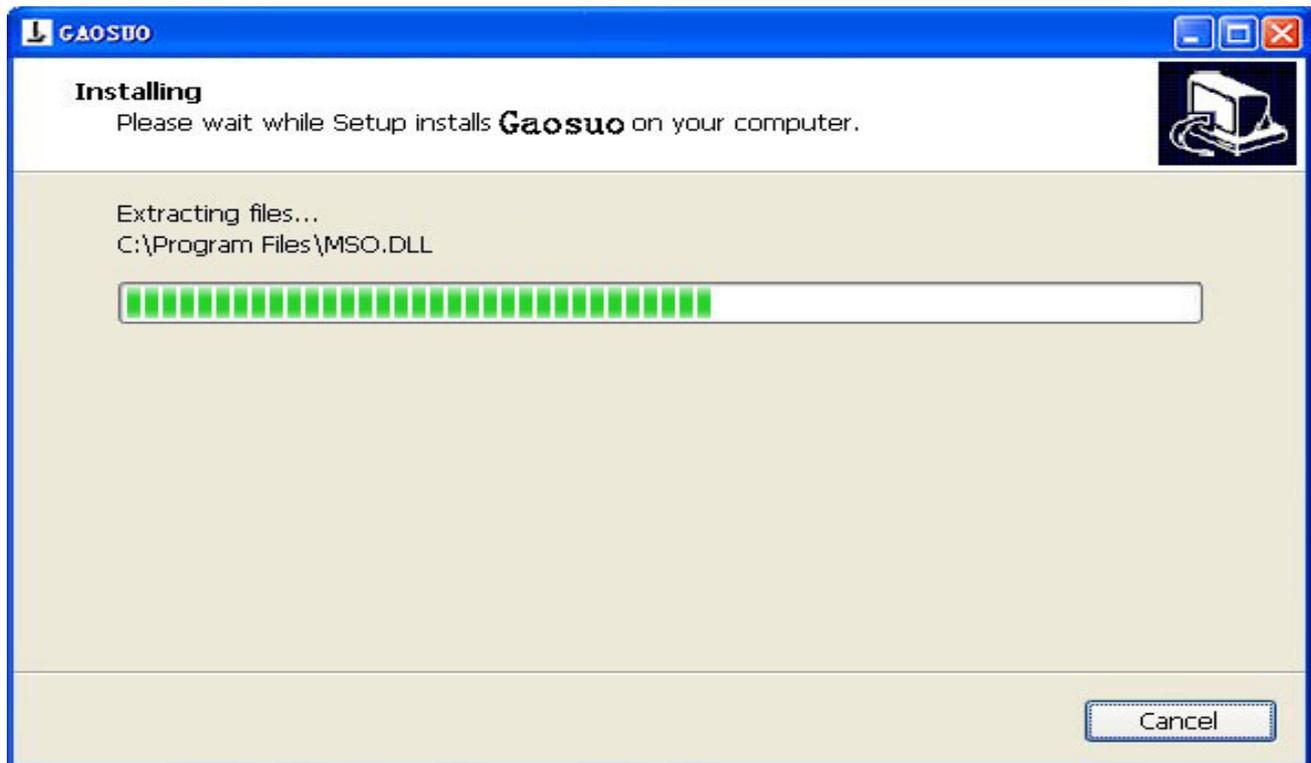
4. Click “next” to continue as followings



5. Click “next” to continue as followings



6 Click "Install" to continue as followings



Wait a few seconds while the installation taking place.

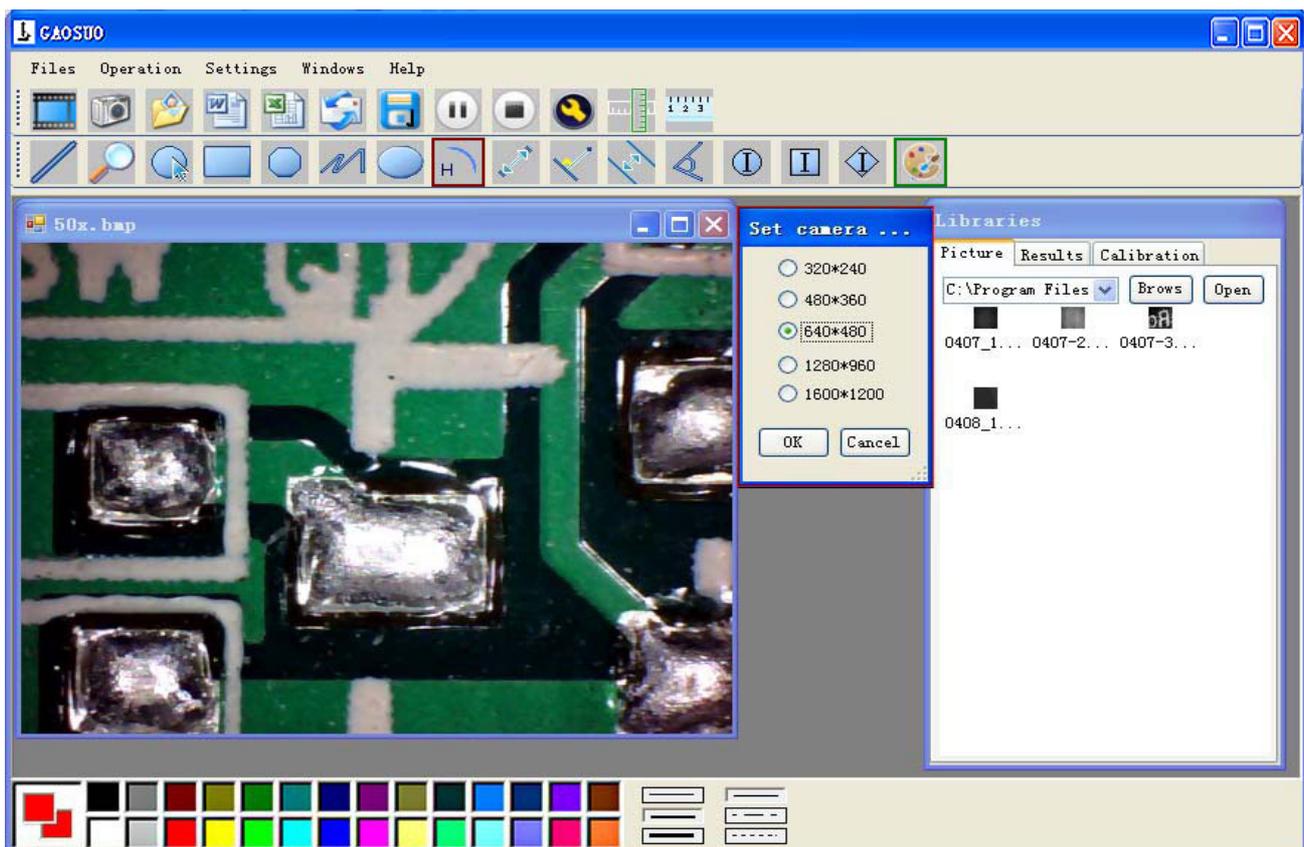
7. Click "Finish" and the installation completes.



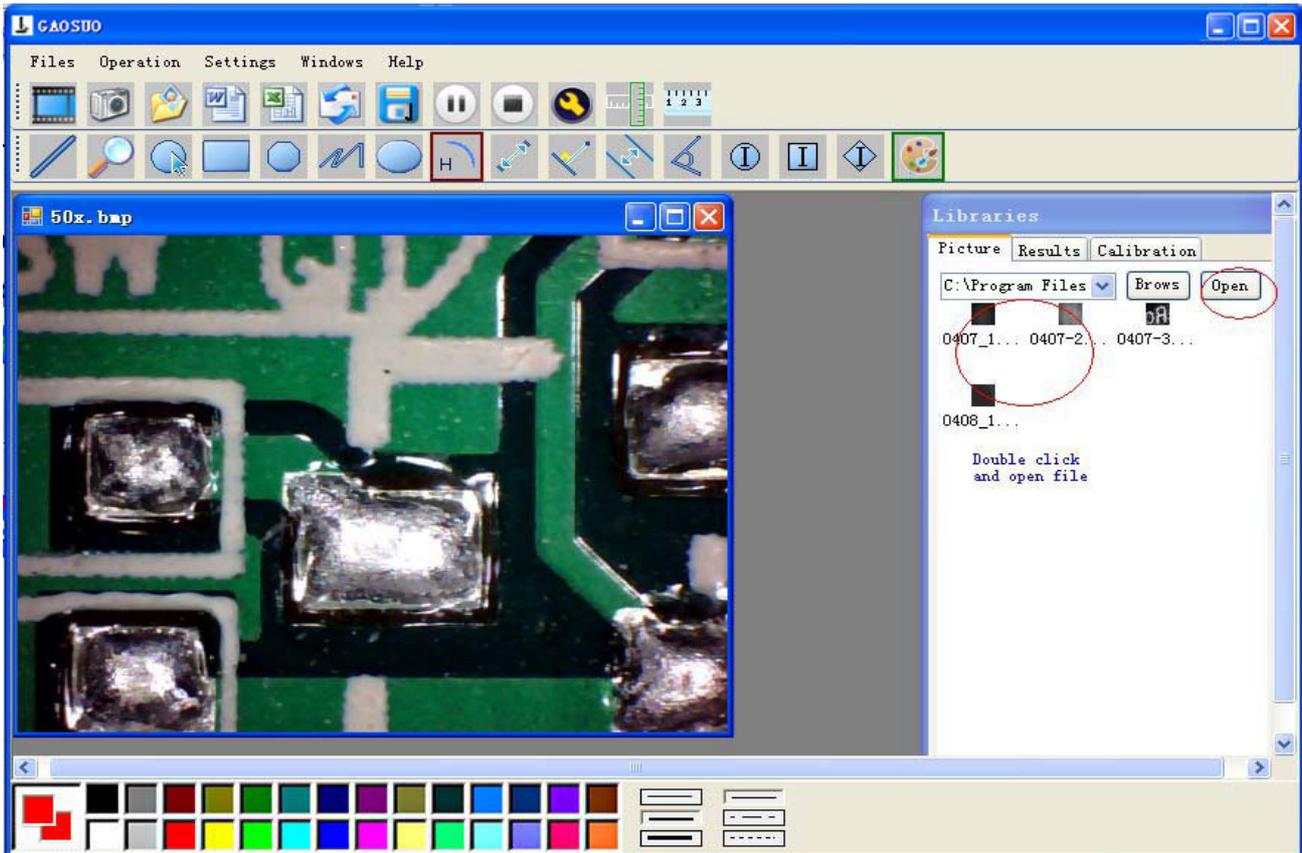
8. After the installation completes double click at computer desktop to start using the software.

9 Click open the operation system

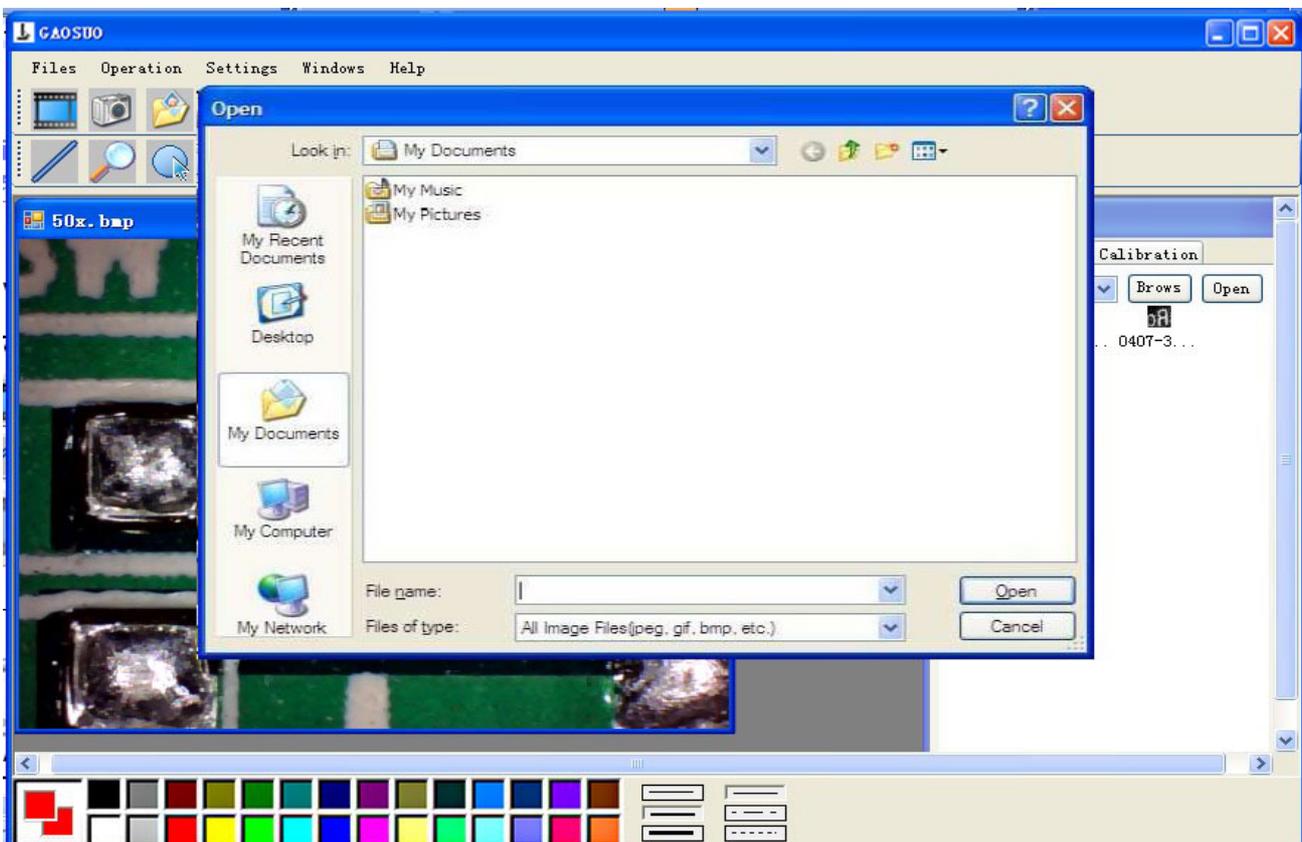
Choose the Image resolution from 320*240 to 1600*1200 default at VGA Mode 640*480



10 Click  to use measurement function.

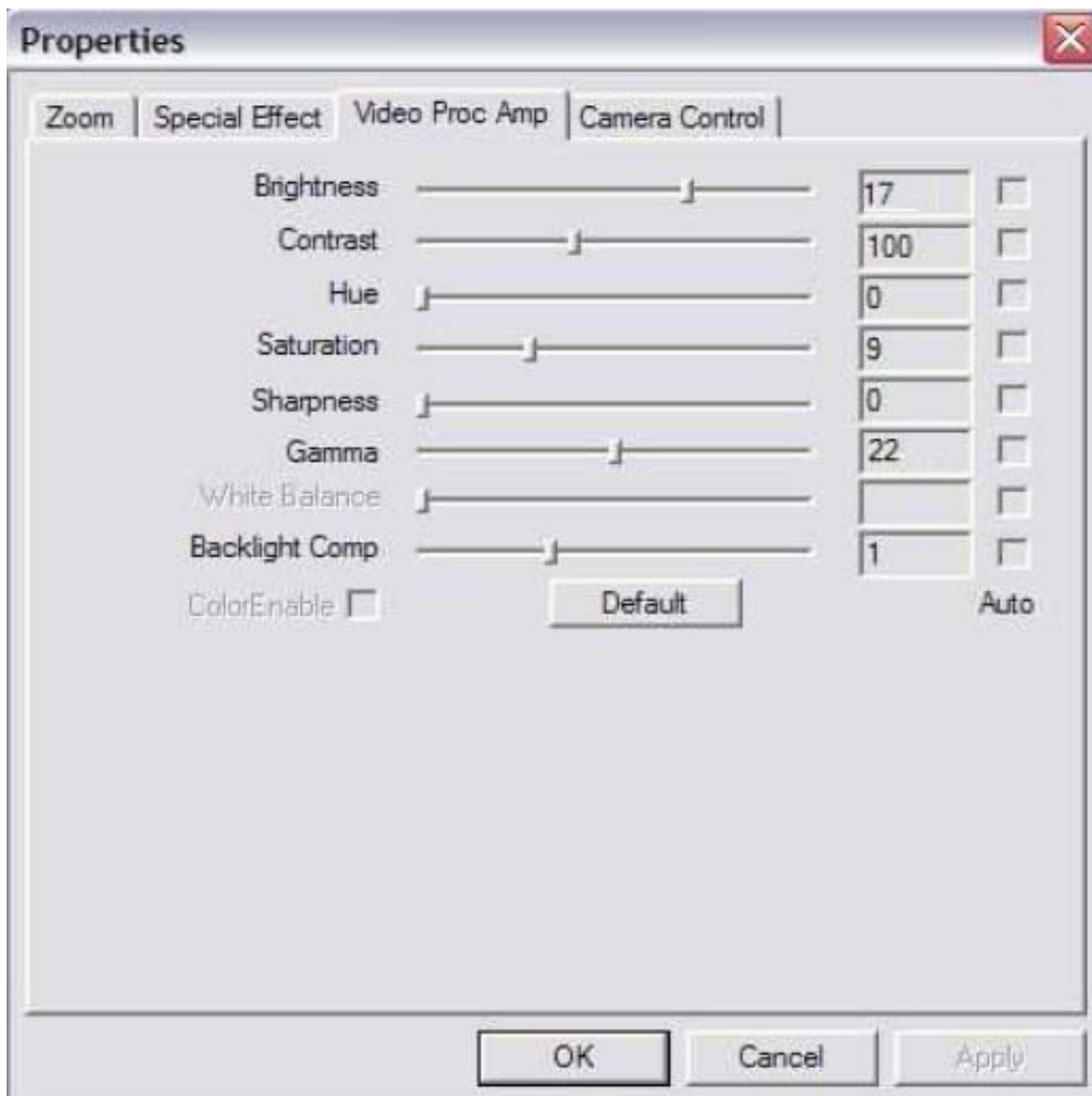


11 Click  to open pictures and click to save pictures



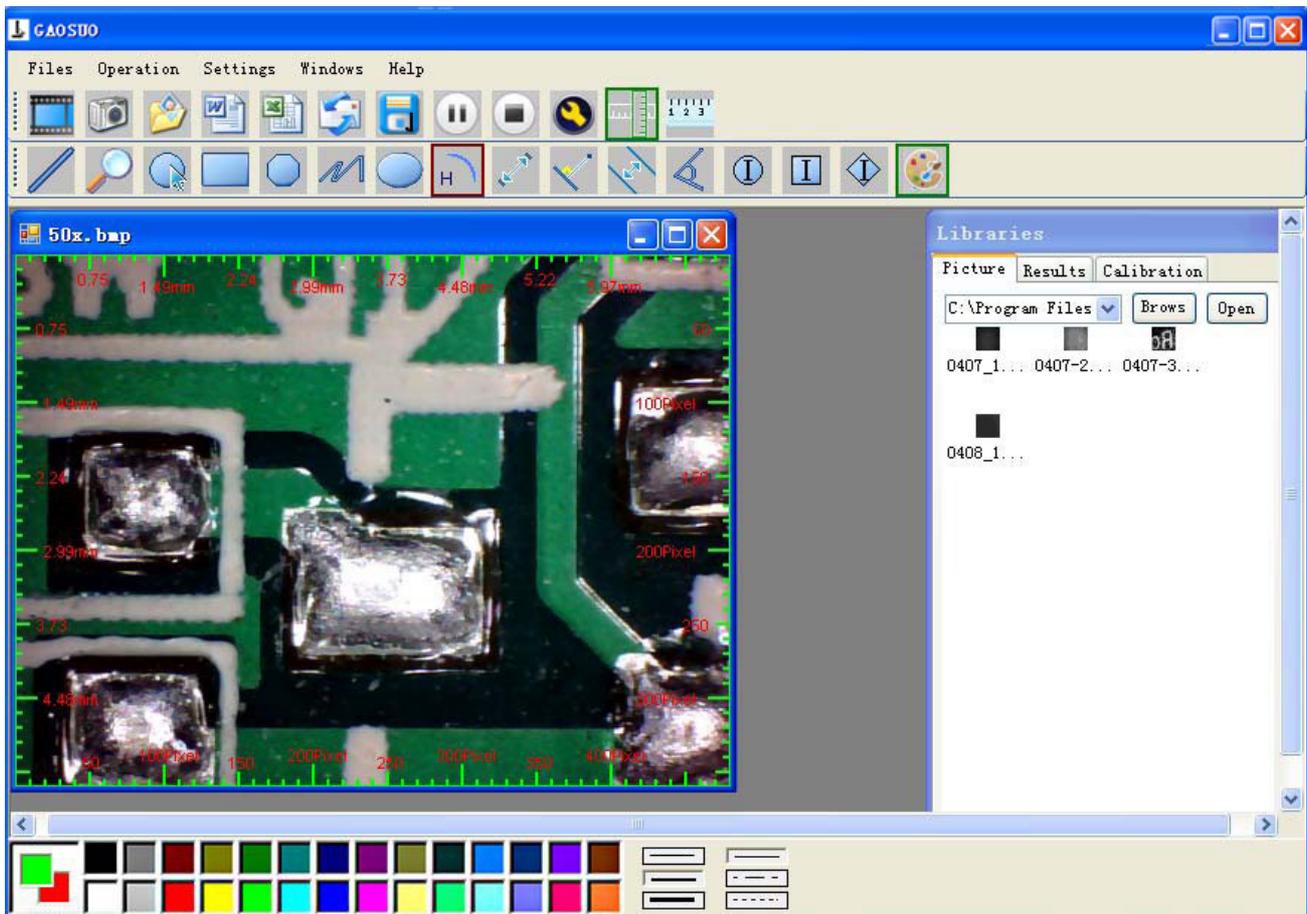
12 Click   Video PLAY(Pause)STOP

13 Image Parameter including Image setting and special effects



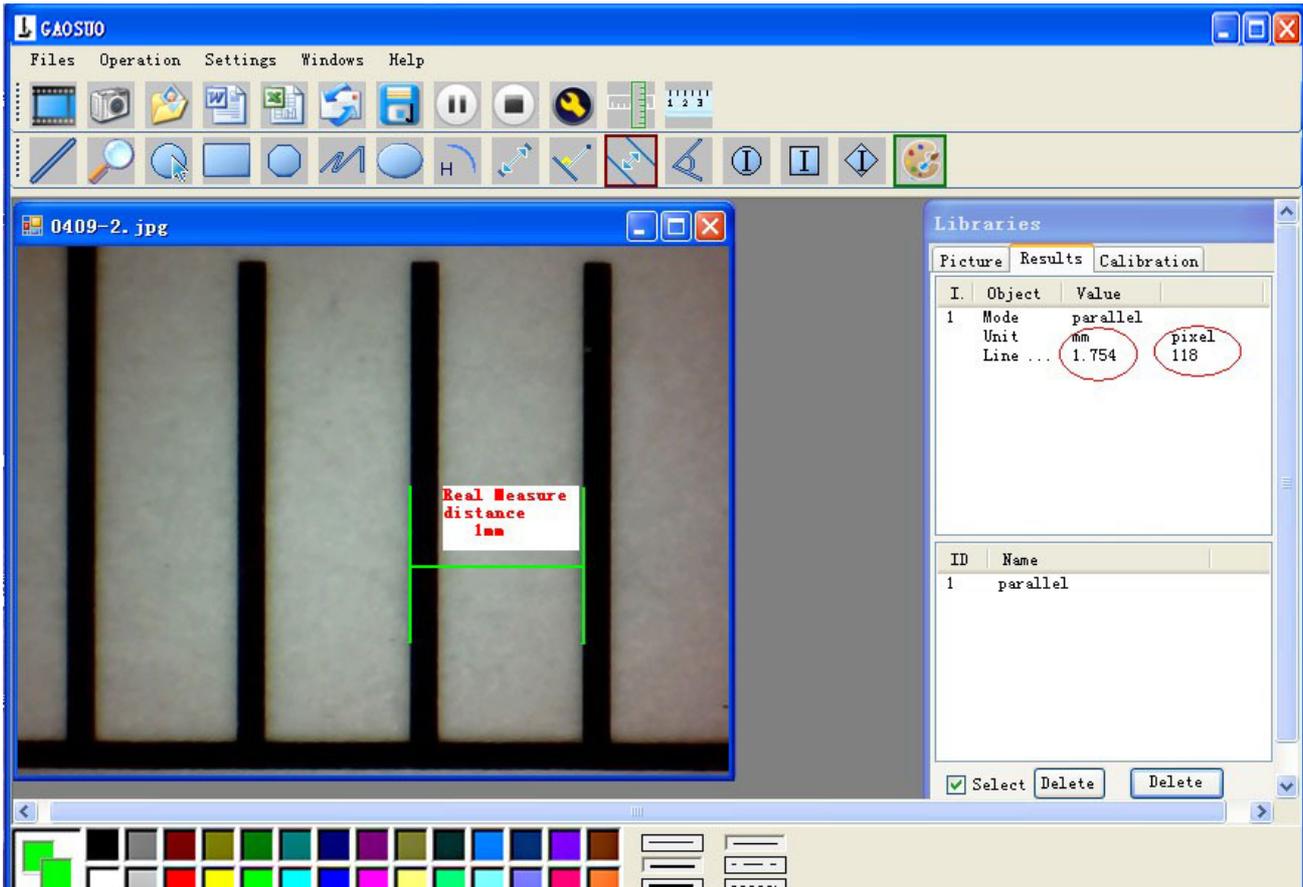
15  Magnifier

16 Click  Rulleras followings

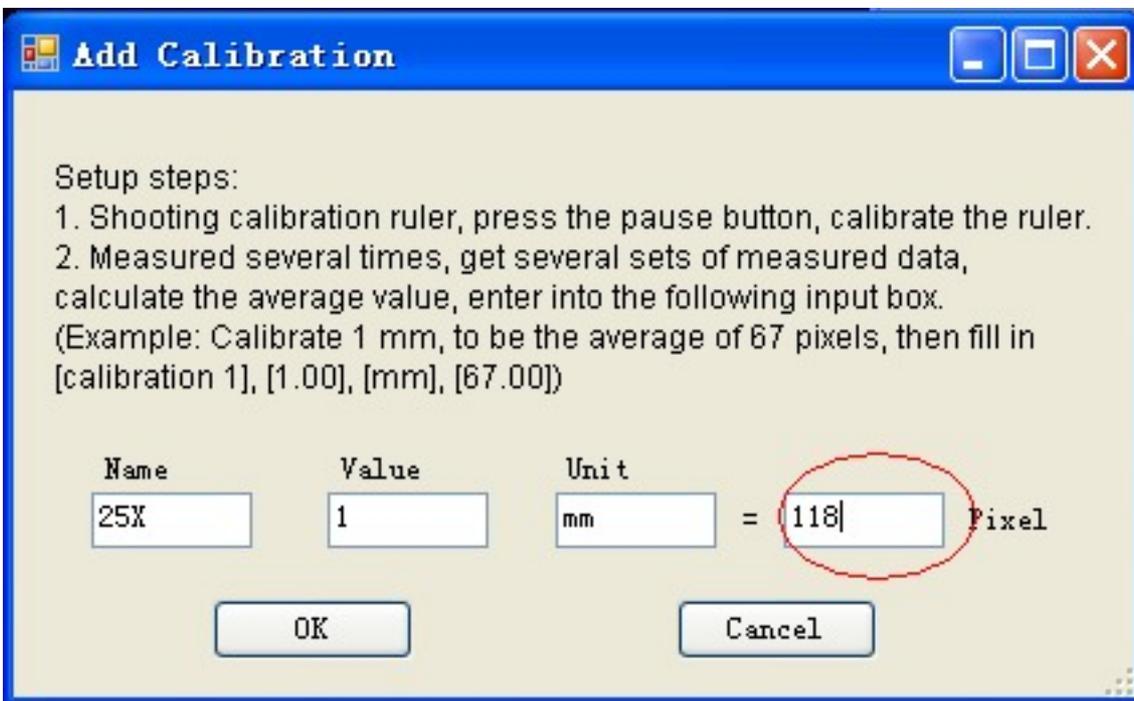


17 Click  start calibration make sure certain accuracy.

Our experience told us that measurement could be controlled at 99% high precision. Measure tolerance could be caused from human eye distortion and defocus. More practice is helpful to measurements.



18 Key in the Measure data(Pixel)Unitand Click' OK'

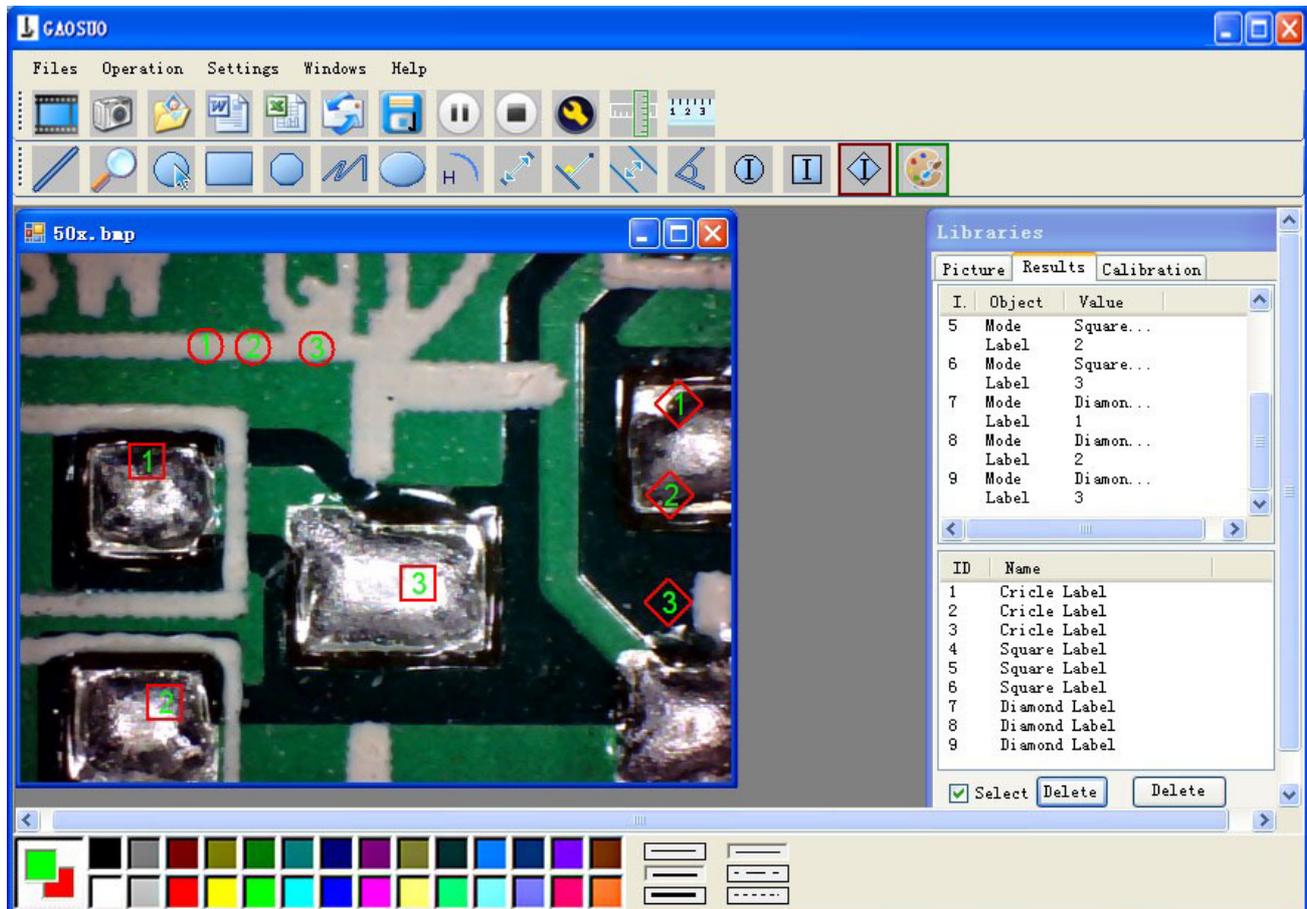


Warning:

Please do calibration again once Magnification Ratio

changed.

19 |   Color setting of display character



From Left to right:

Line ring Square Polygon Set-line Length

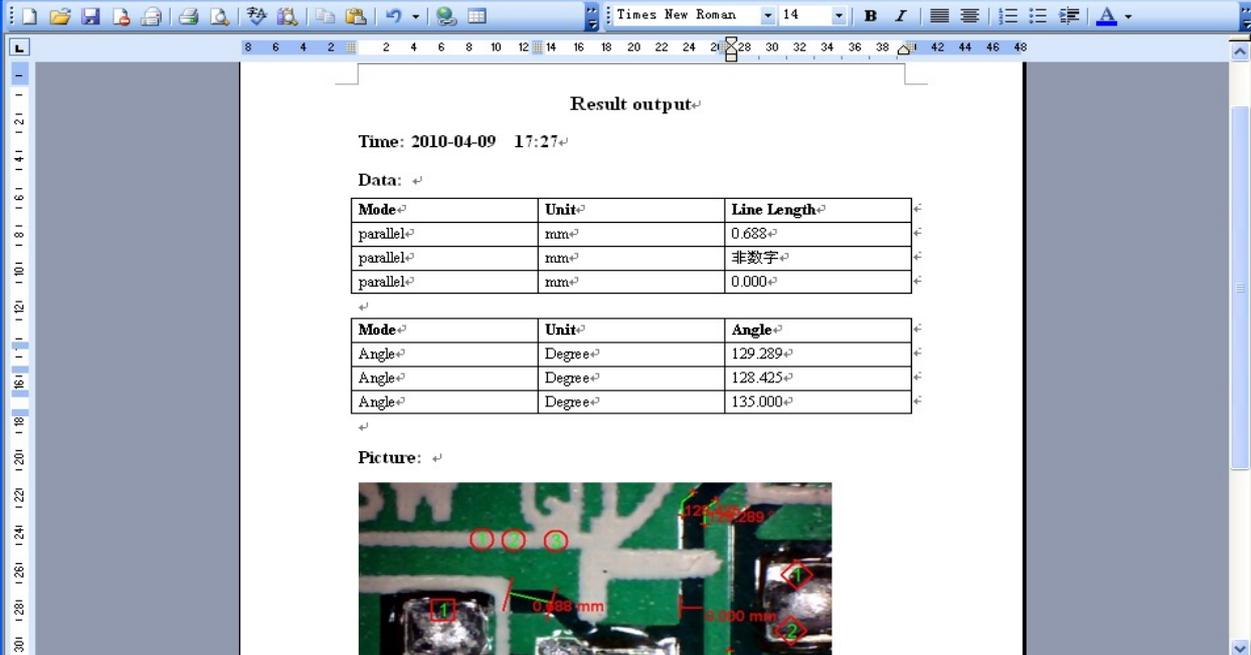
Oval Arc Point to Point distance Point to Line distance

Parallel line Angle

(as below show)

20 Click  to export word or excel format.

Example: Measure data under word file



Result output

Time: 2010-04-09 17:27

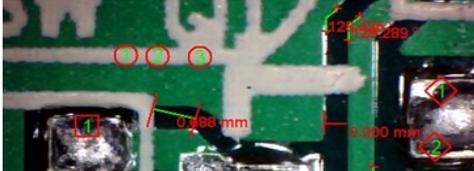
Data:

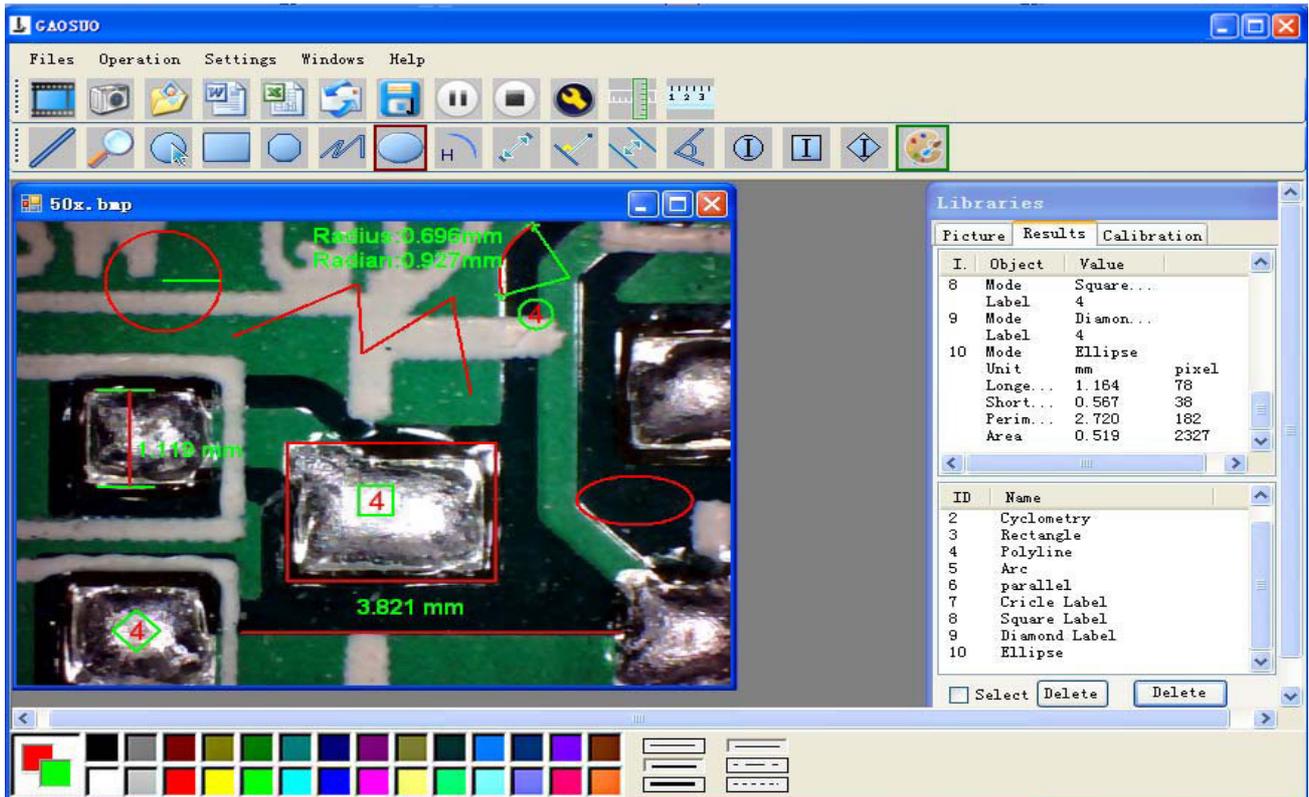
Mode	Unit	Line Length
parallel	mm	0.688
parallel	mm	非数字
parallel	mm	0.000

Angle:

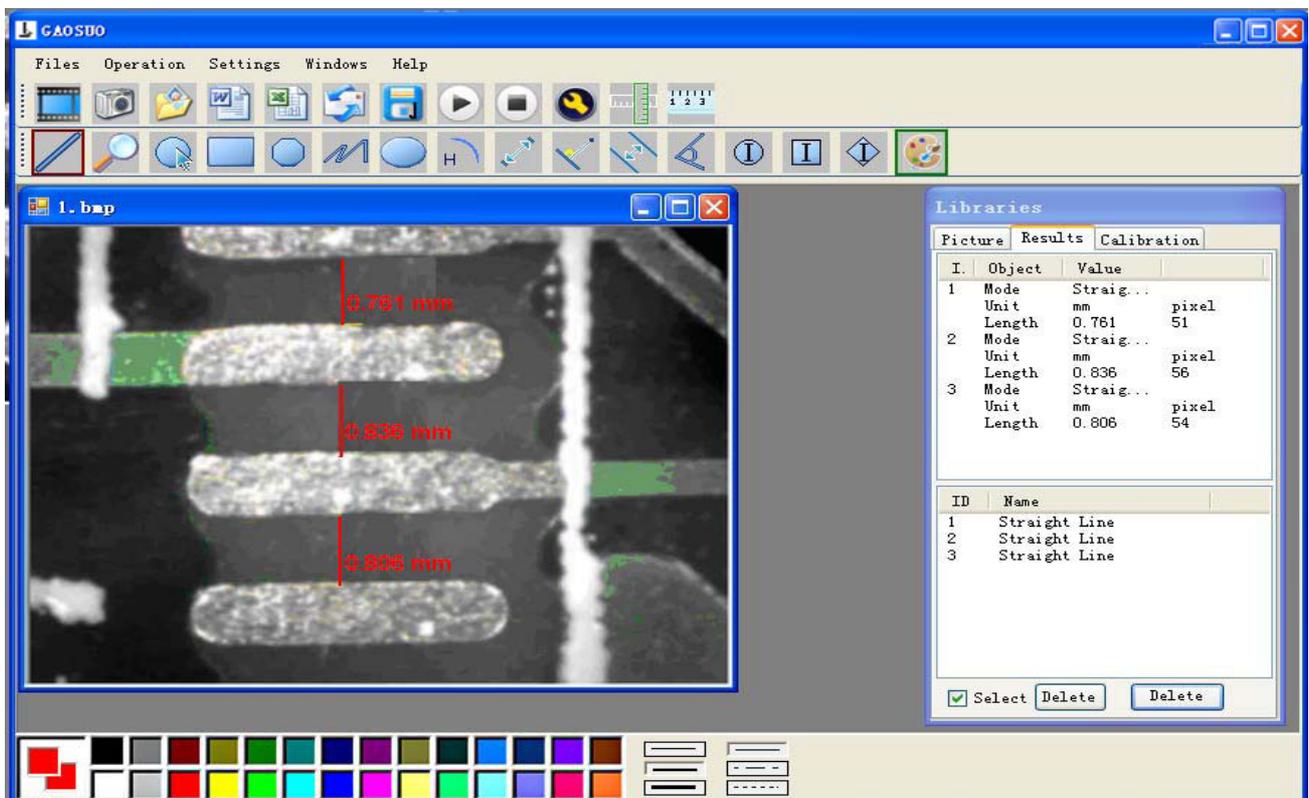
Mode	Unit	Angle
Angle	Degree	129.289
Angle	Degree	128.425
Angle	Degree	135.000

Picture:

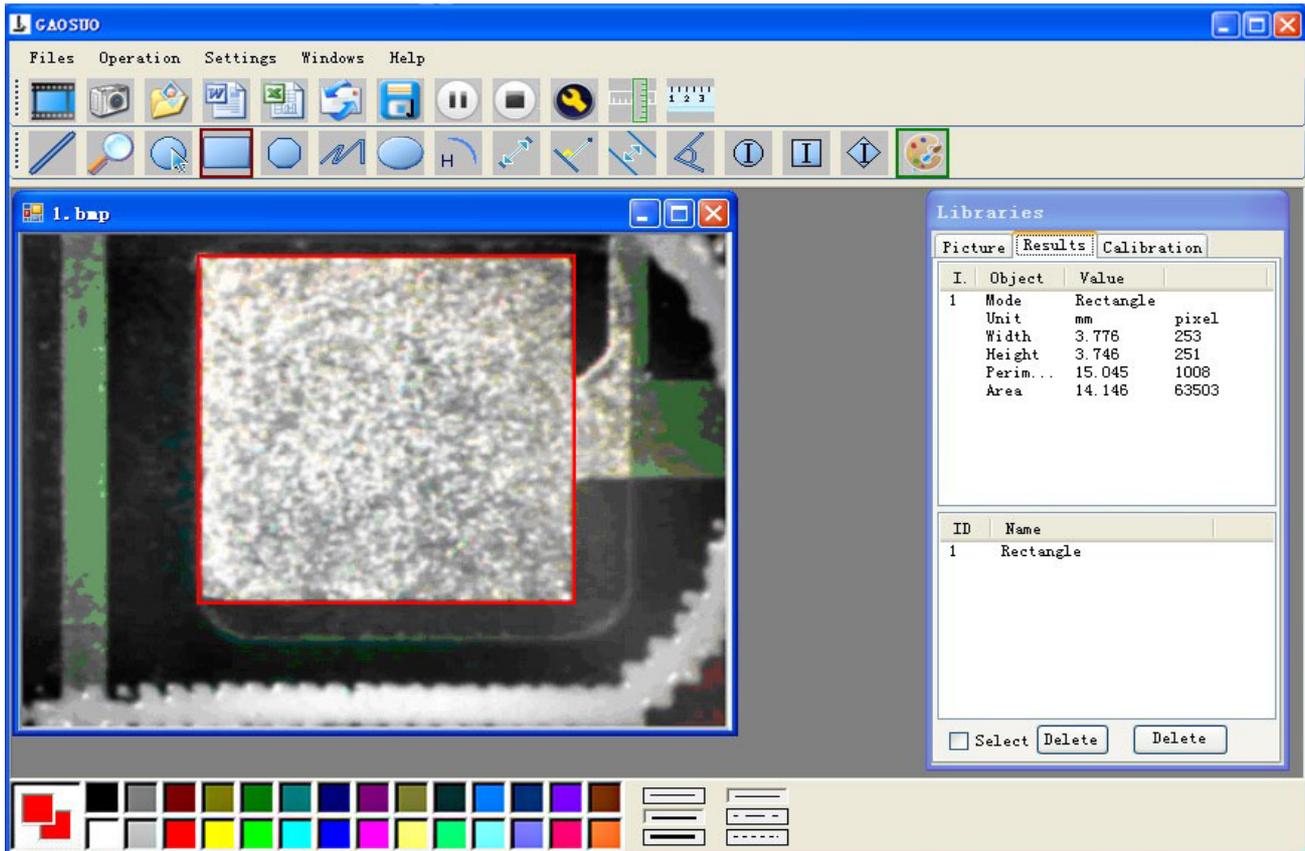




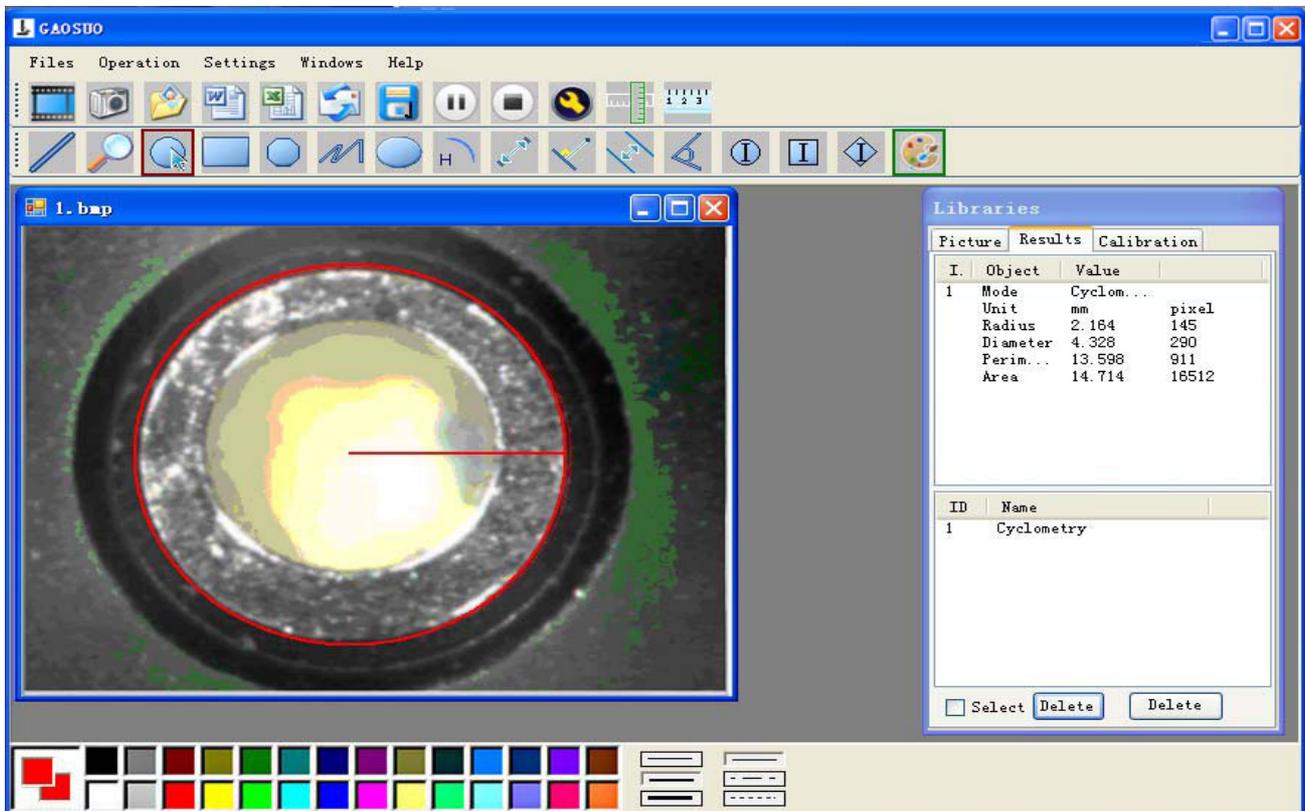
For example 1 Line measurement:



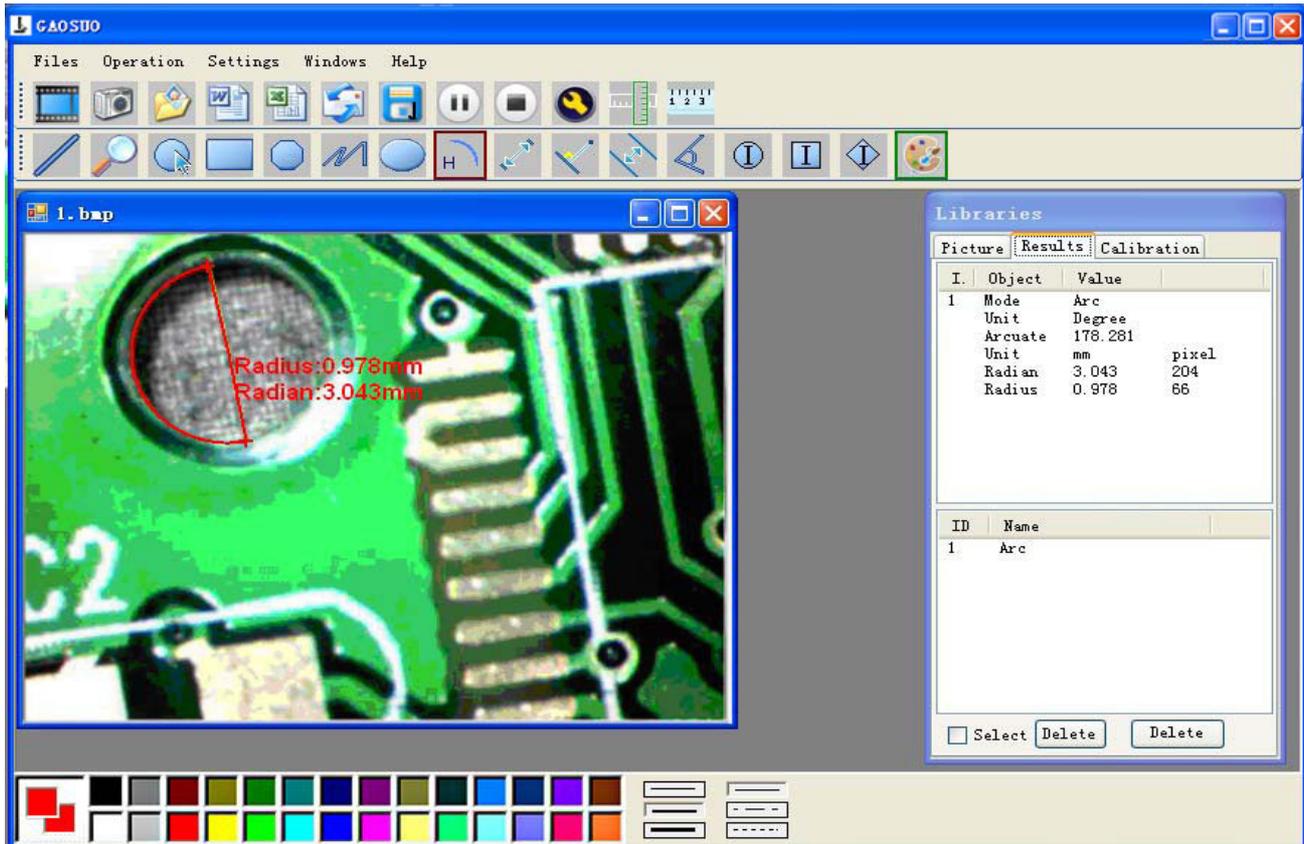
For example 2 Rectangular measurements:



For example3 Ring measurements:



For example 4 Arc measurements:



3Please click

to Continue when the NET

Framework2.0 is necessary