CD disk Driver and Micro-Measurement Tool

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

Product net weight: 250g

Available color: Matting black, Turnish and other colors.

Notes before use

1. Don't dissemble 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 dissemble 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 (Driver, Measurement software, User Manual)

Hardware system requirements

Windows 2000、XP、VISTA、WIN7 Pentium 1G, Celeron, AMD 1G & above,

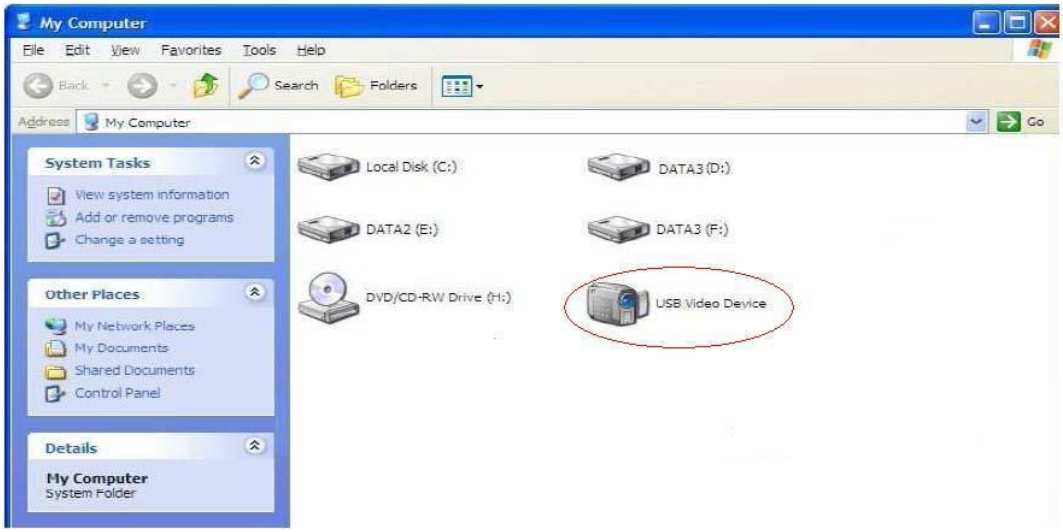
128MB Memory, 150MB Hard Disc memory space, 16-bit & above

VGA, CD-ROM, USB2.0 or USB1.1.

How to install the Driver

The 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 computer, double click "my computer" icon on your computer desktop, below interface will be shown up.



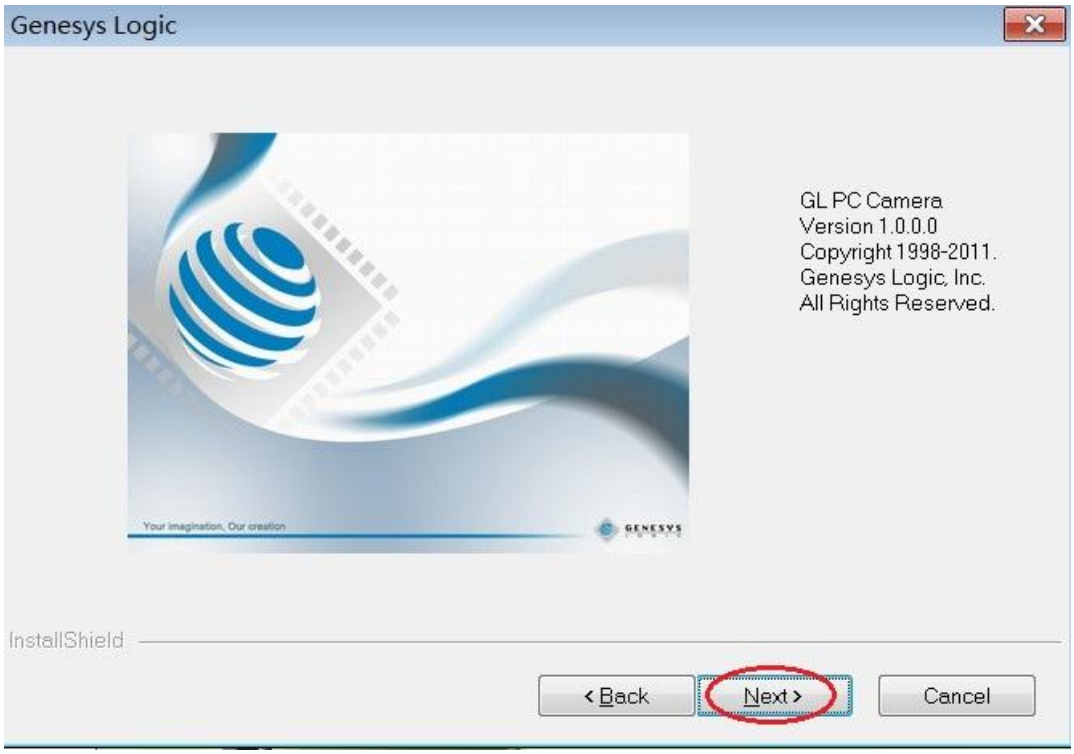
2. Double click the Video device icon as above red marked in your computer. Now it is ready to use.

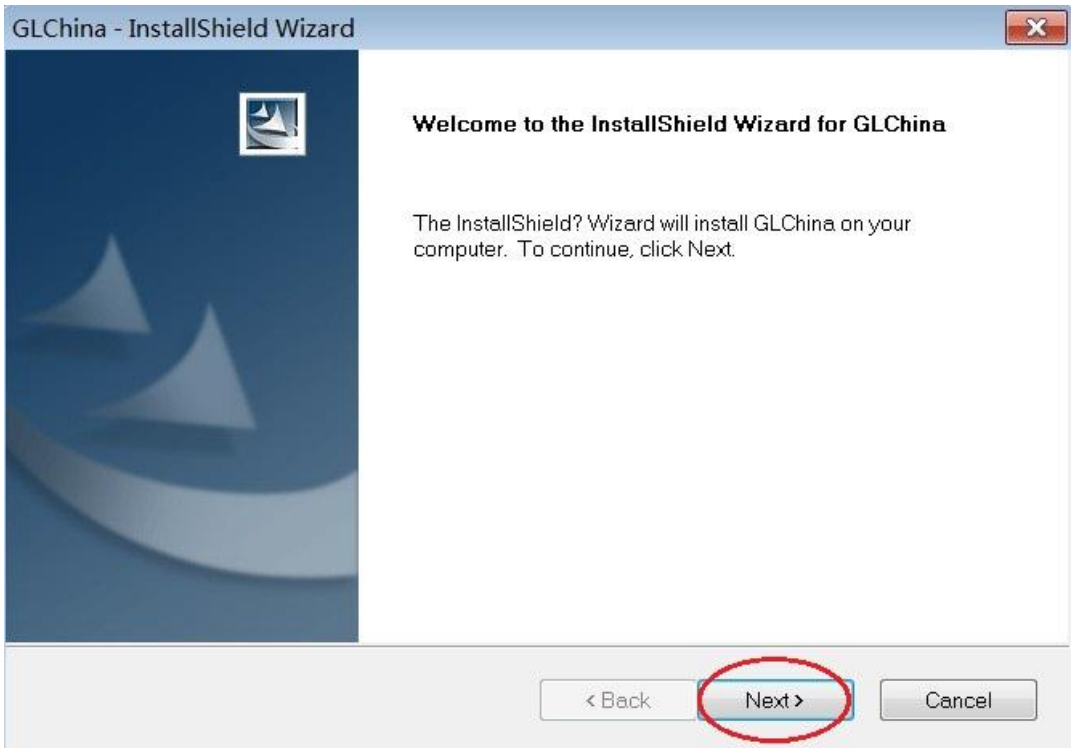
If you can't find the Video device, or if your computer can't recognize it,
Please follow below steps to install the driver.

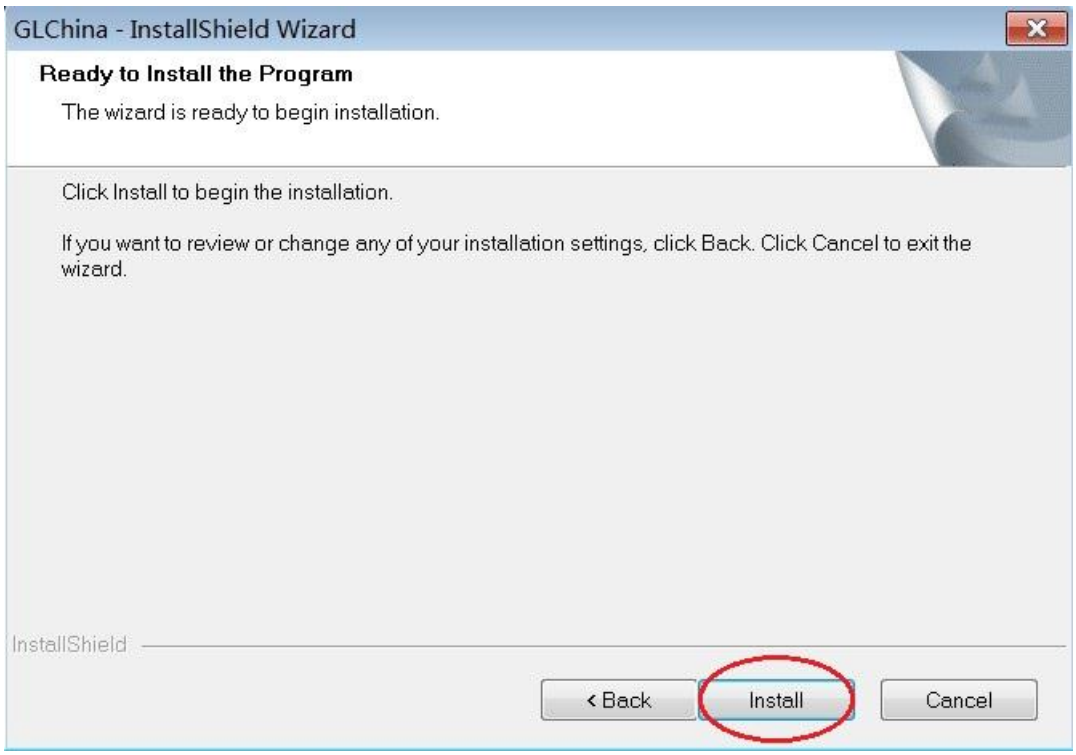
Insert the attached CD, open "My Computer", and double click the "DVD/CD Driver" to open the CD.

Driver installation

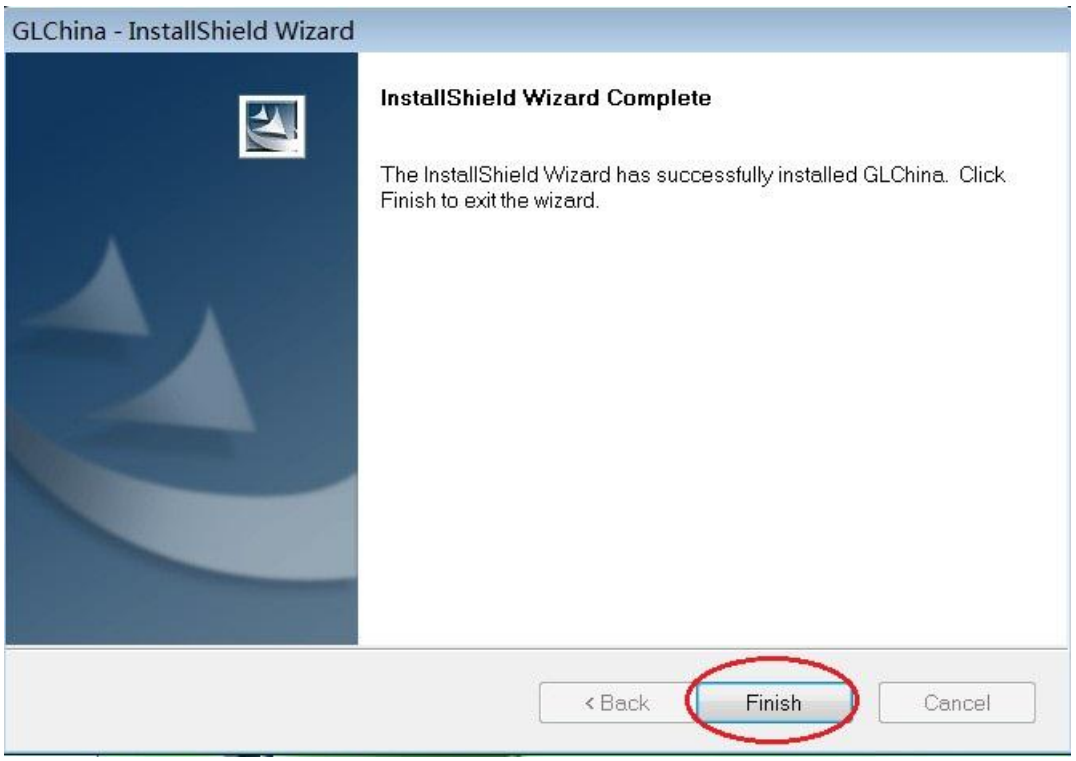
Choose and install the Driver, then reset the computer

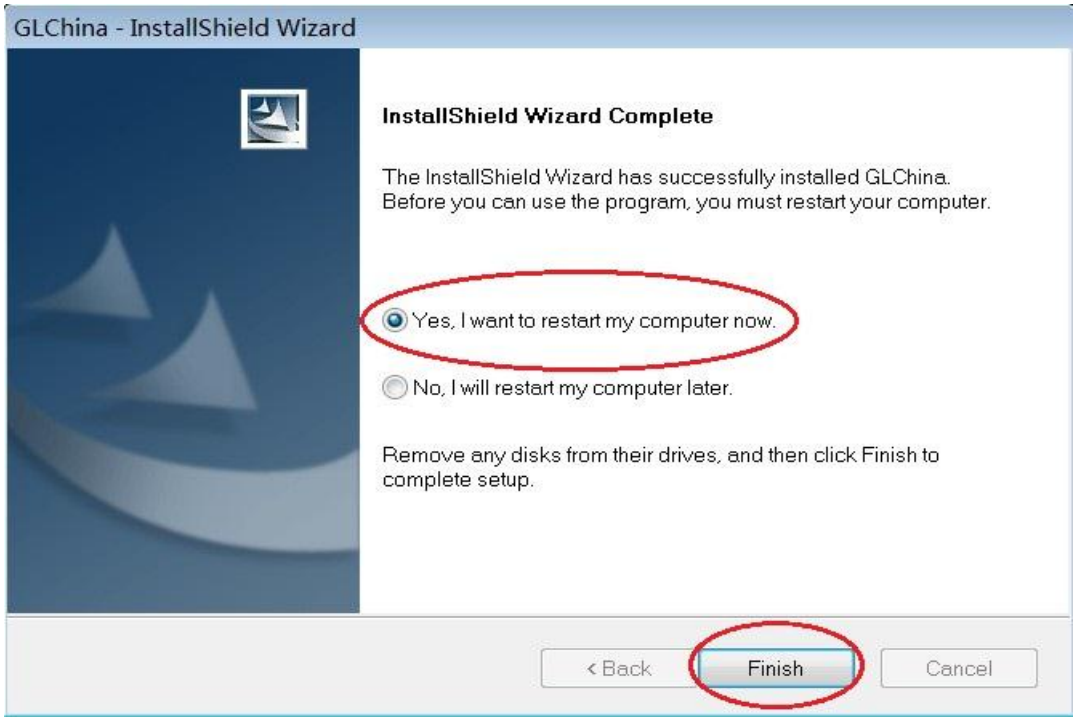




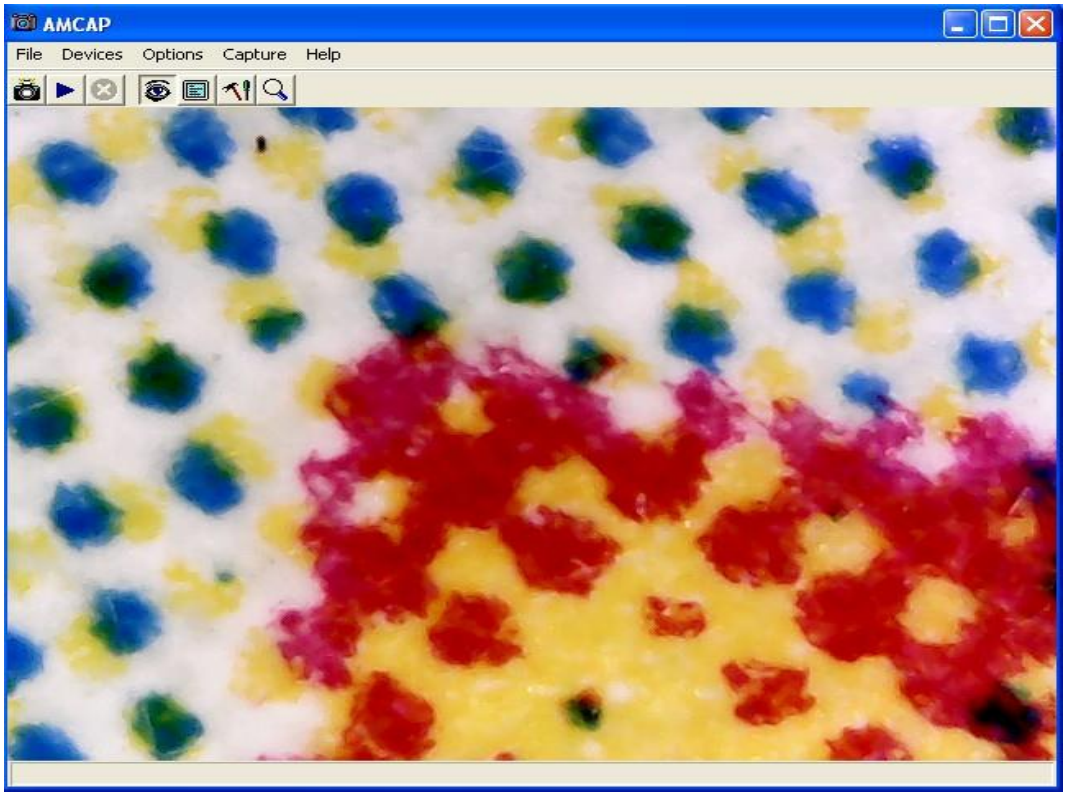

GLChina - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back
Install
Cancel


GLChina - InstallShield Wizard
Create Desktop Shortcut?
是(Y)
否(N)


GLChina - InstallShield Wizard
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed GLChina. Click Finish to exit the wizard.
< Back
Finish
Cancel



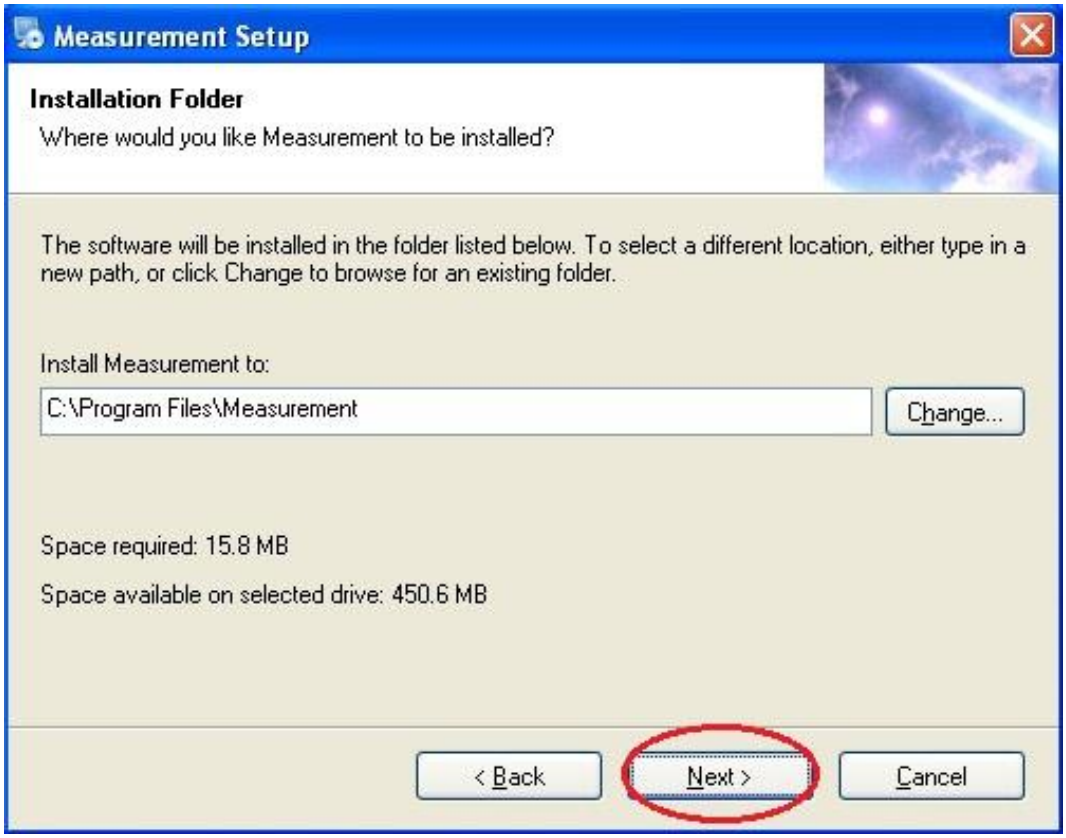
Reset the computer after driver installation at once;
Installation may be blocked by the antivirus software, so let the antivirus software allow all processes, or close the antivirus before installing. If installation succeeds, you can see the icon  on the Toolbar, also the software desktop icon, double click to run it.

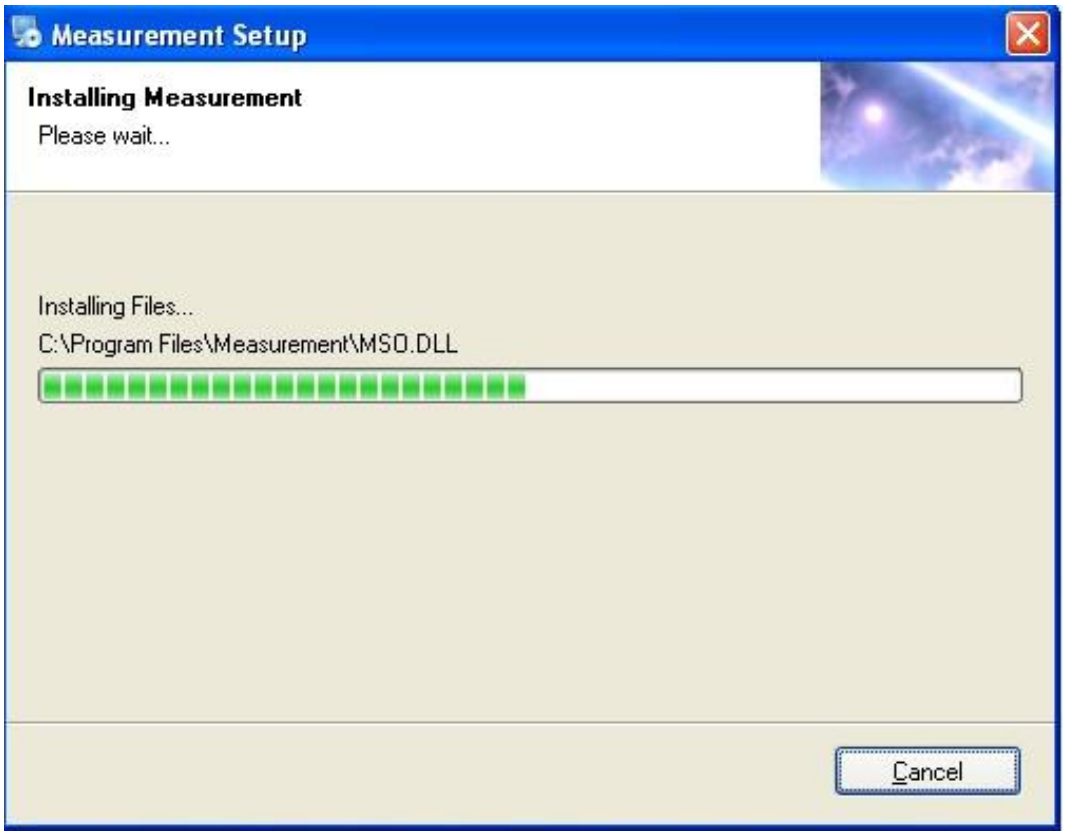


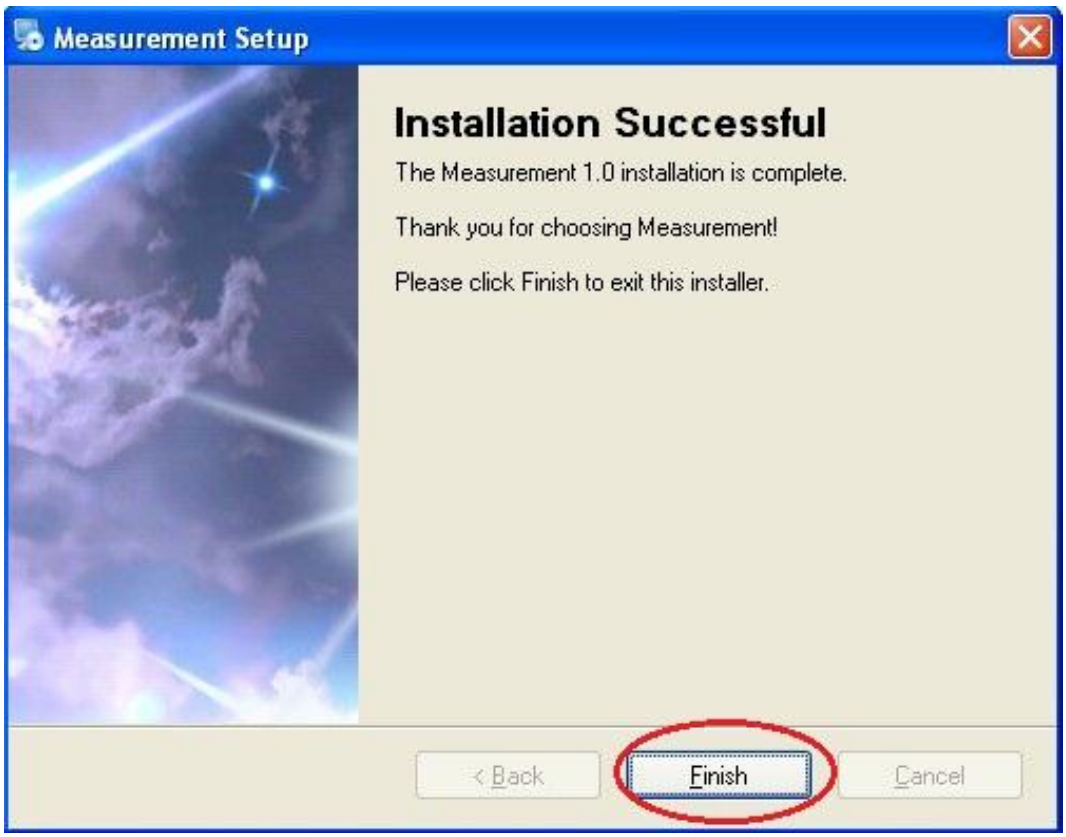
Now you can use the microscope. Long press the SNAP button on the microscope to take images, and the ZOOM button to have digital zoom function.

Measurement installation

Choose and install the Measurement



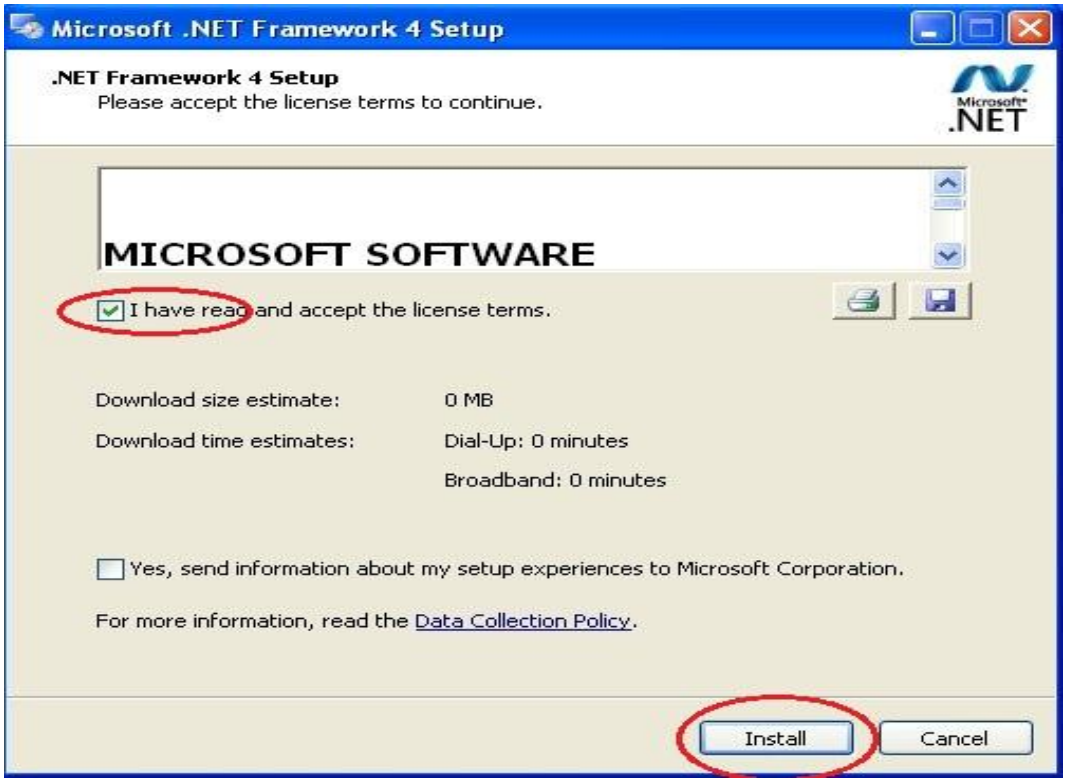


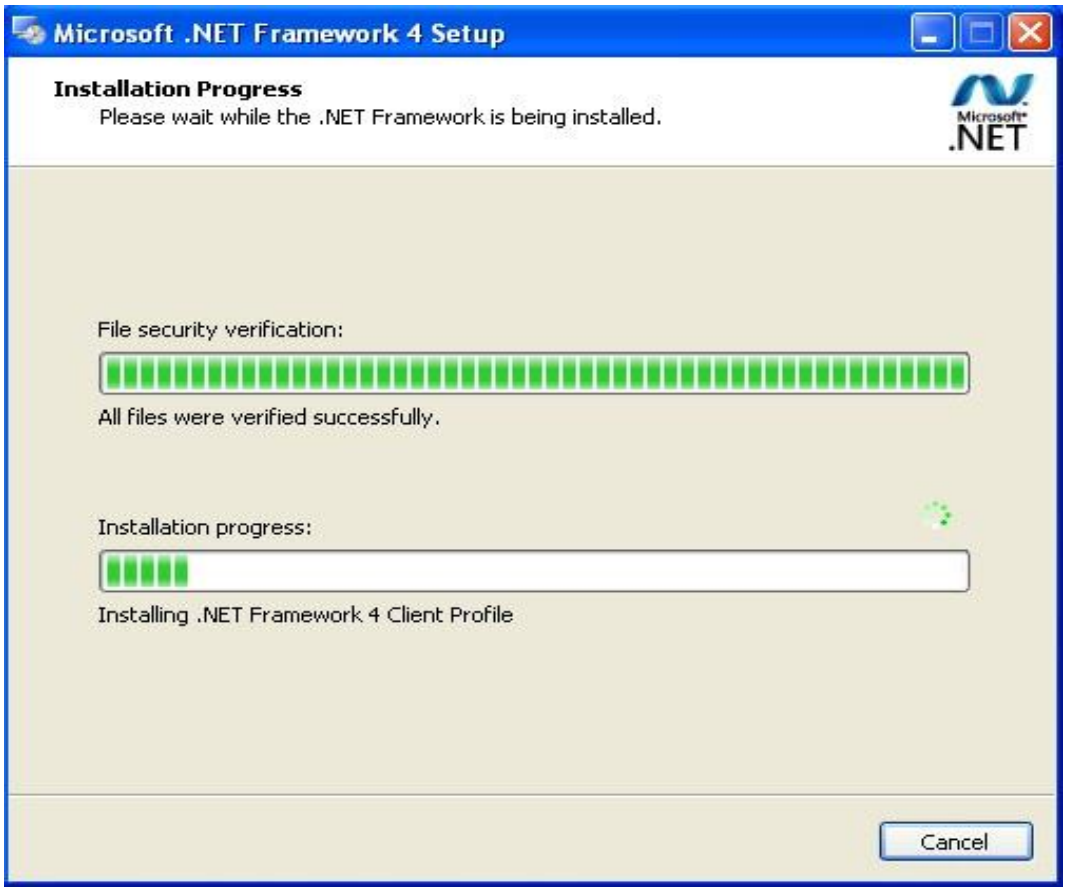


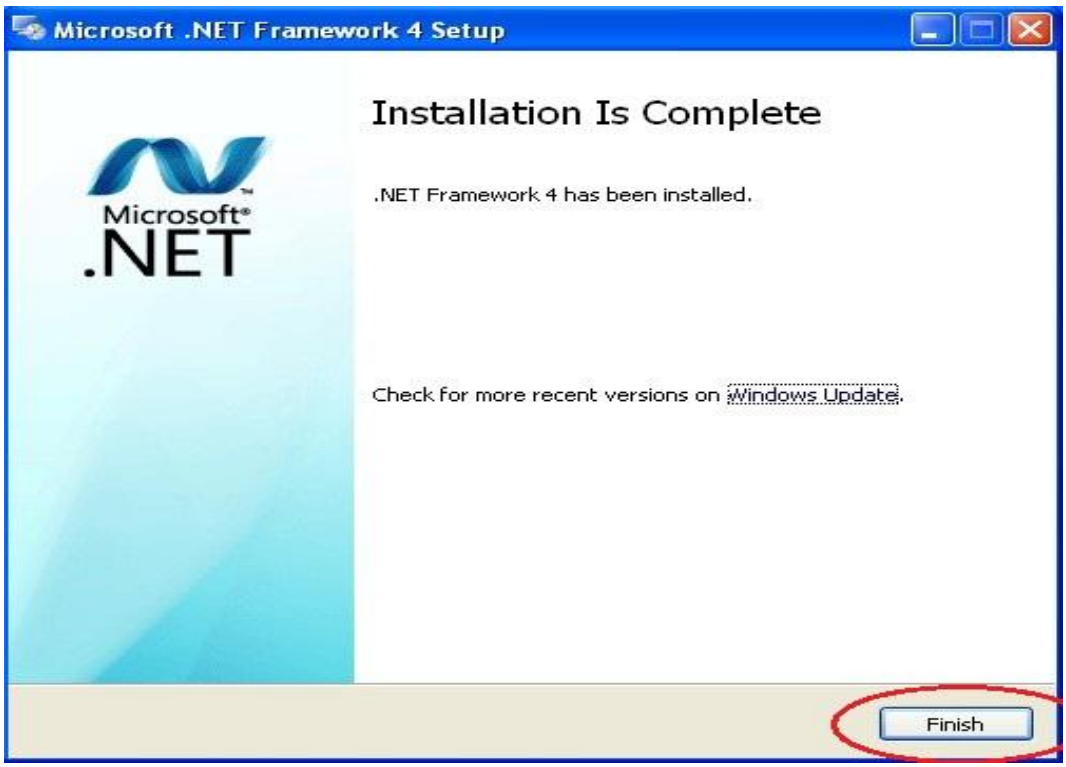
Click “Finish” and the installation completes.

Microsoft .NET Framework installation

If the PC is Windows XP or older version, .Net Framework 4.0 is needed. Install it.



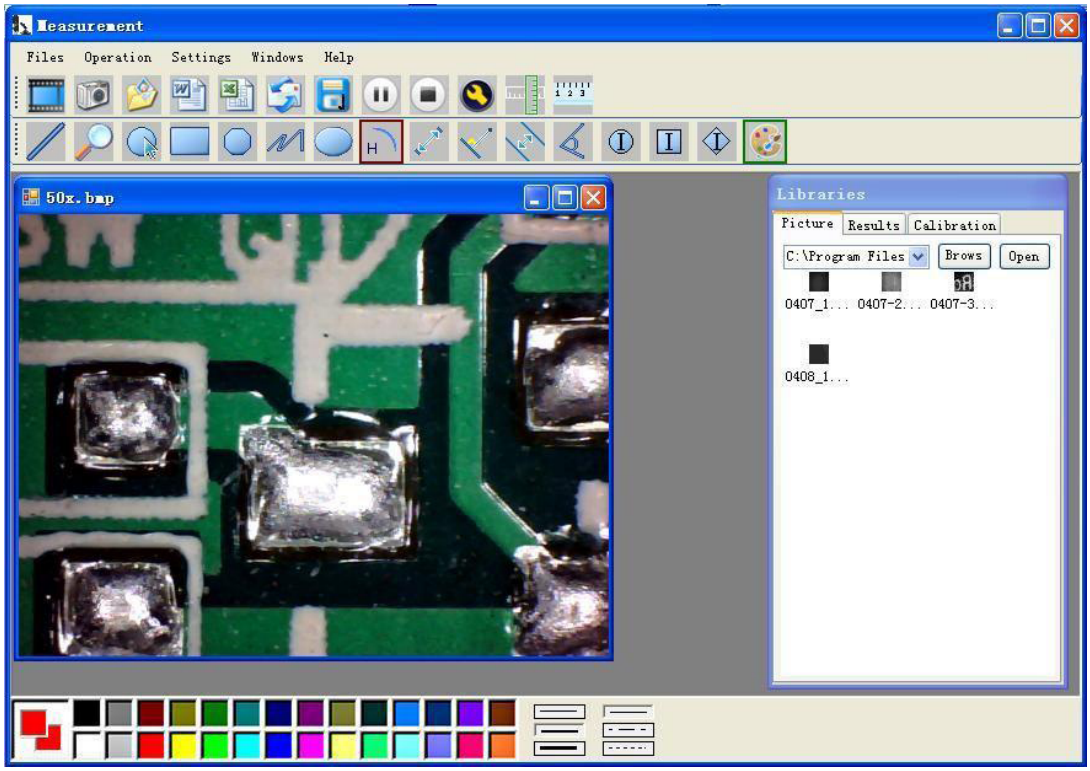

Microsoft .NET Framework 4 Setup
Installation Progress
Please wait while the .NET Framework is being installed.
Microsoft .NET
File security verification:
All files were verified successfully.
Installation progress:
Installing .NET Framework 4 Client Profile
Cancel


Microsoft .NET Framework 4 Setup
Microsoft .NET
Installation Is Complete
.NET Framework 4 has been installed.
Check for more recent versions on Windows Update.
Finish

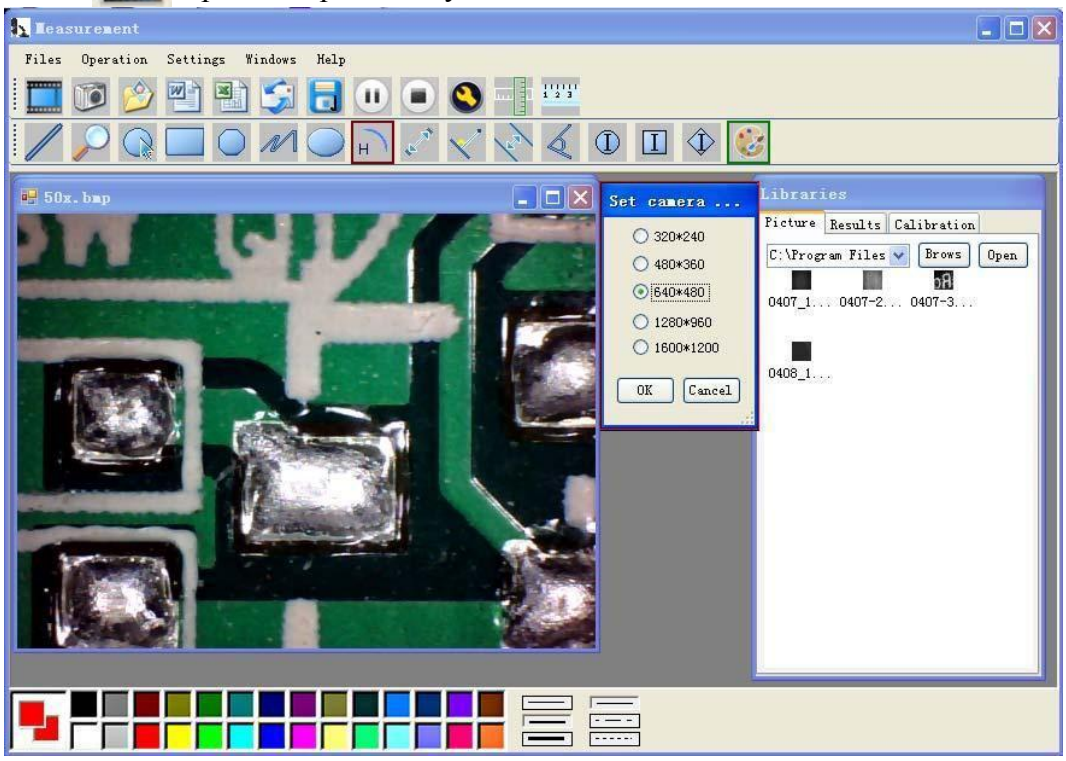
After the installation completes, double click  at computer desktop to start using the software.



Plug-in the devices, Display in operation window

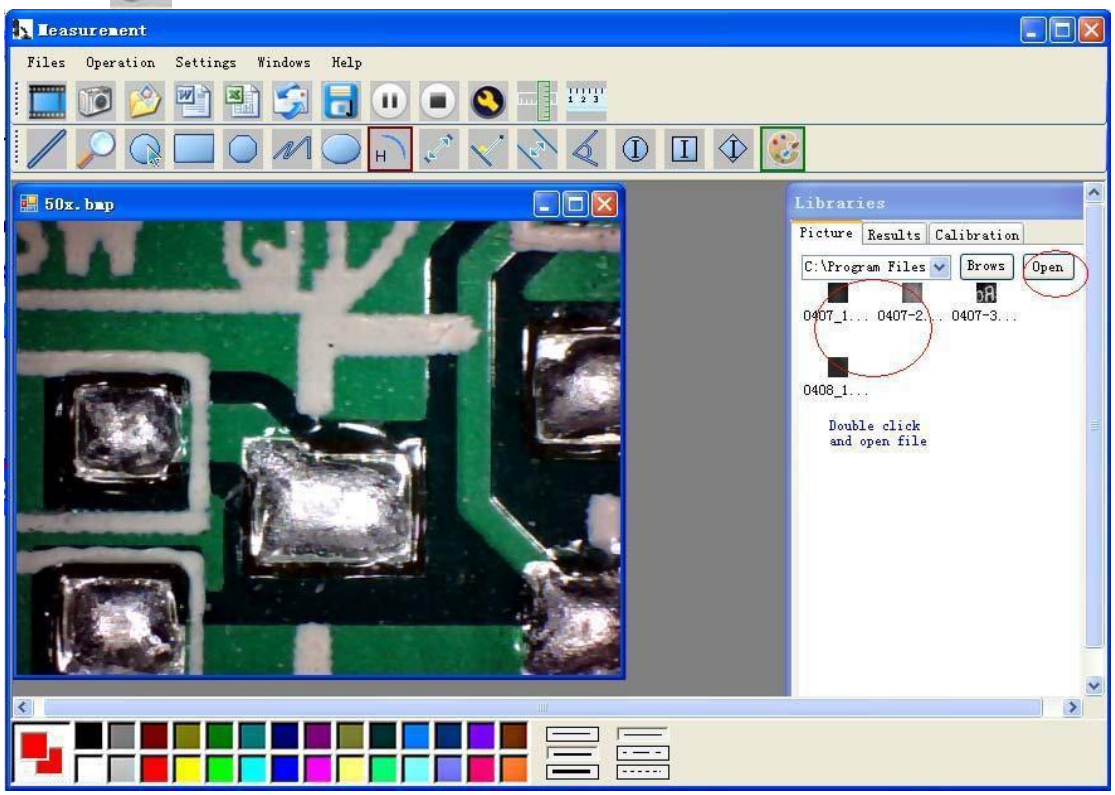


Click  open the operation system

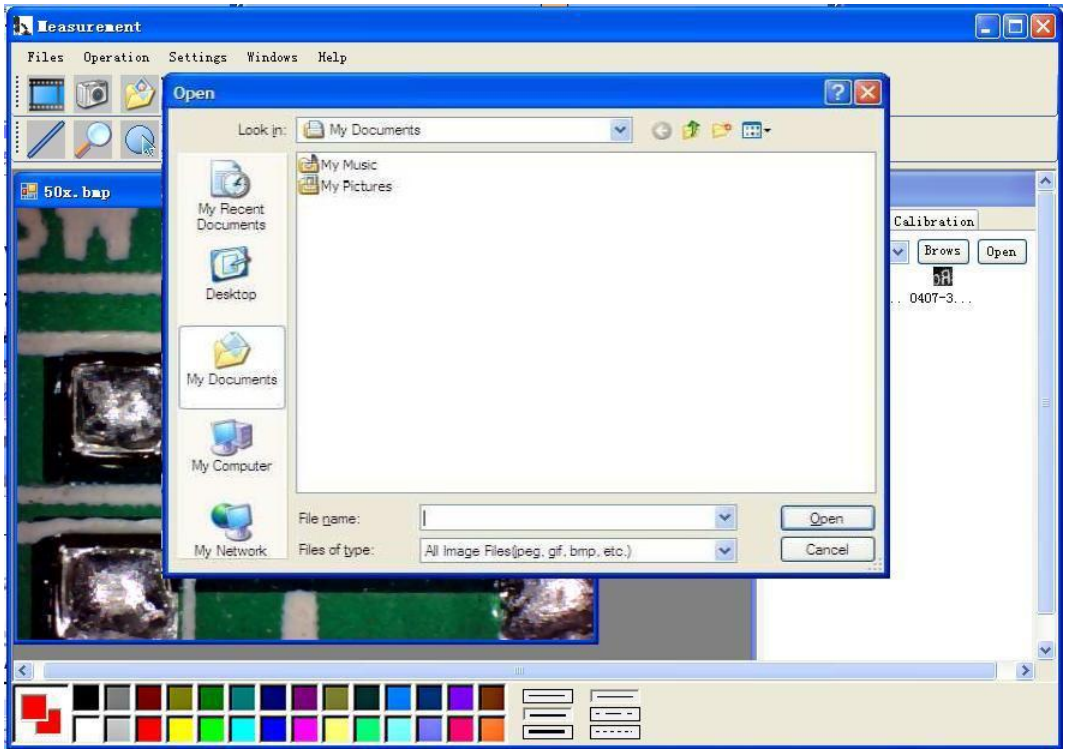


Choose the Image resolution from 320*240 to 1600*1200, default at VGA Mode640*480

Click  To use measurement function.

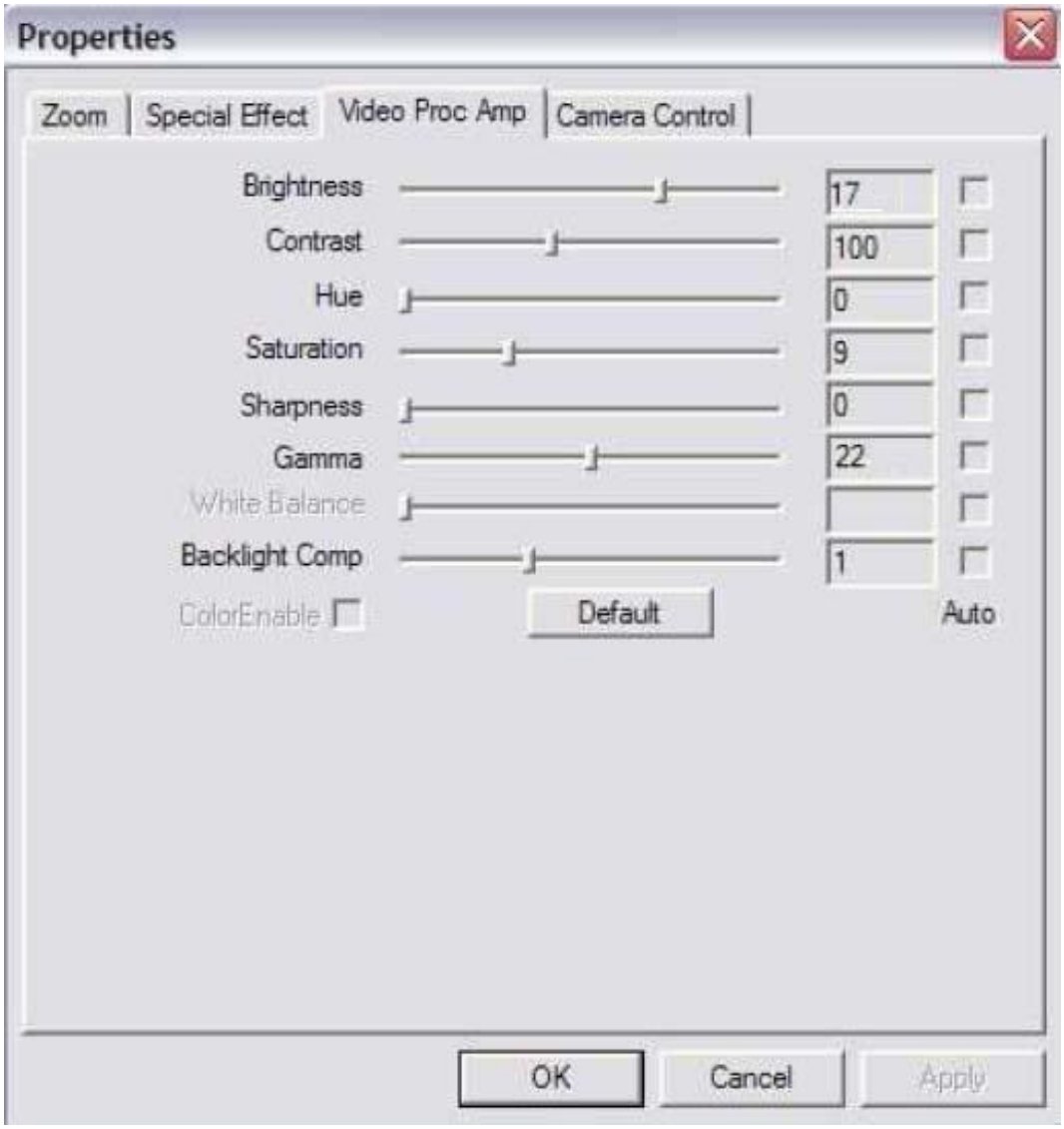


Click  to open pictures, and click  to save pictures



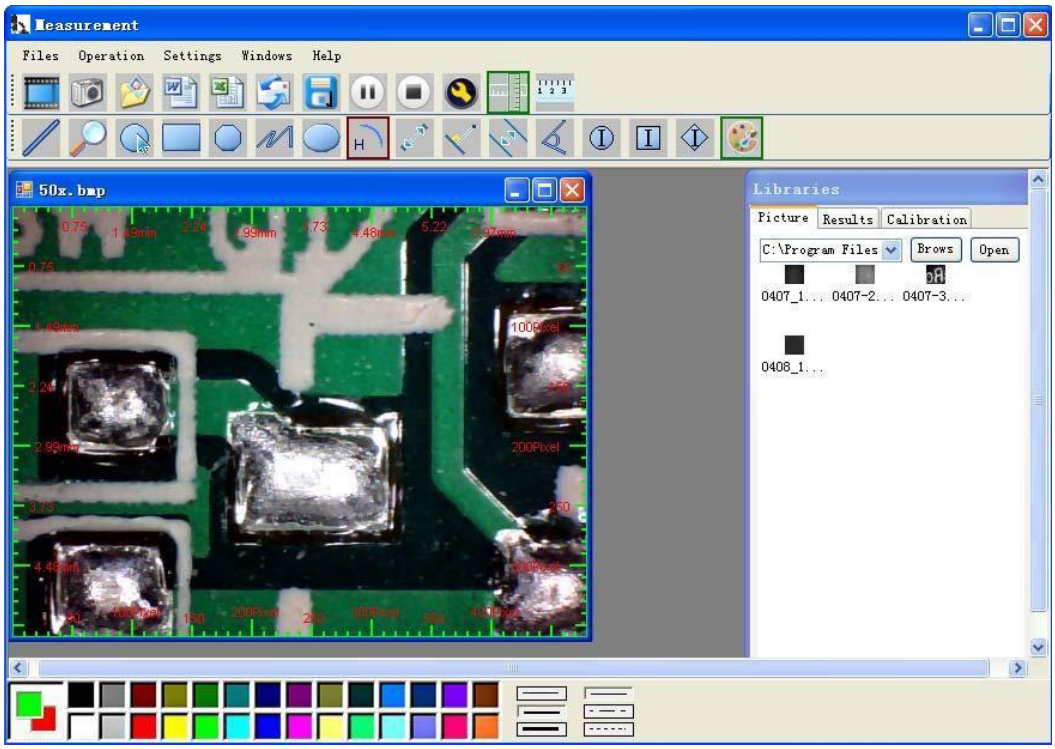
 **Video PLAY (Pause) ,STOP**

 Image Parameter including Image setting and special effects



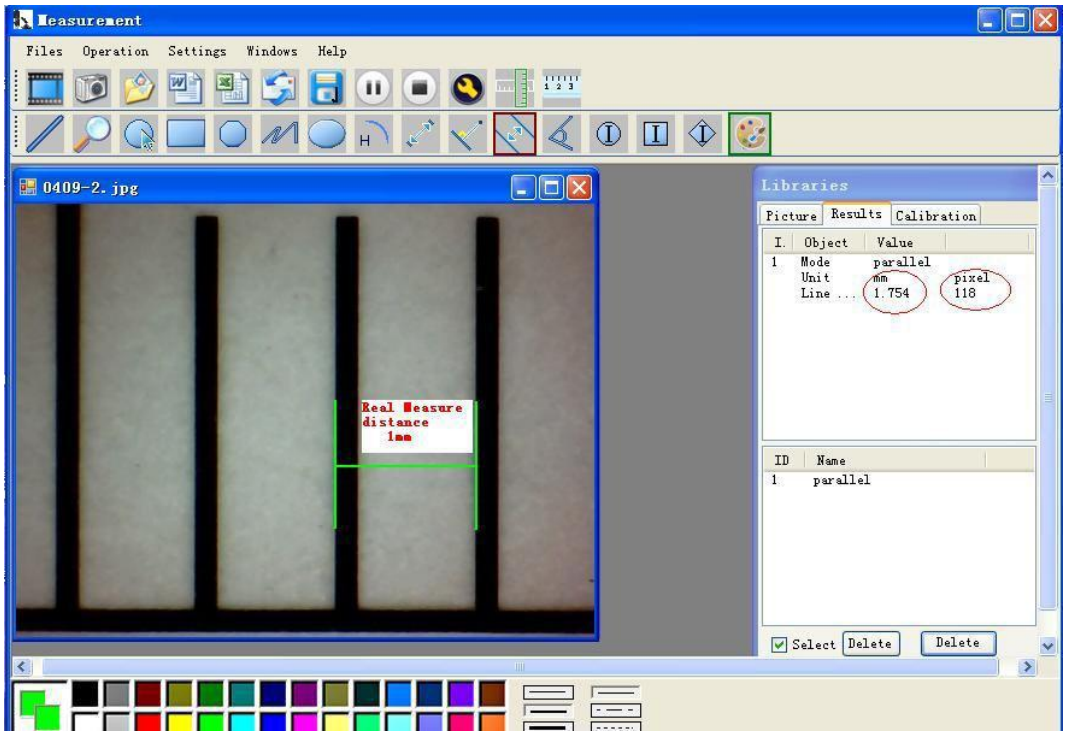
 Magnifier

Click  Ruler, as followings

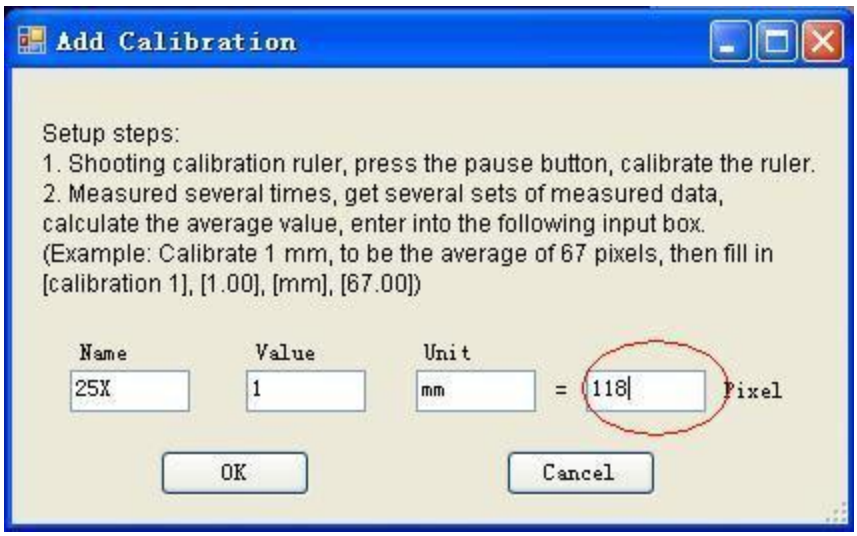


Click  start calibration make sure certain accuracy.

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.



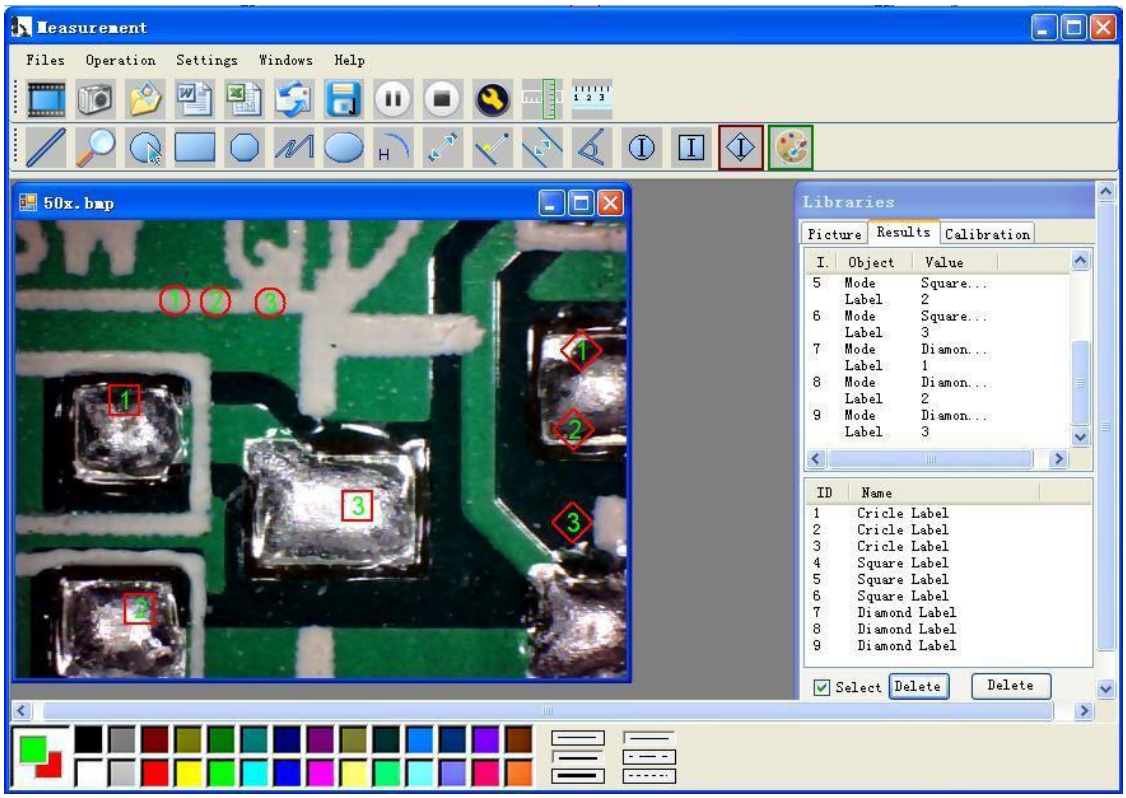
Key in the Measure data (Pixel), Unit, and Click' OK'



Warning: Please do calibration again once Magnification Ratio changed.

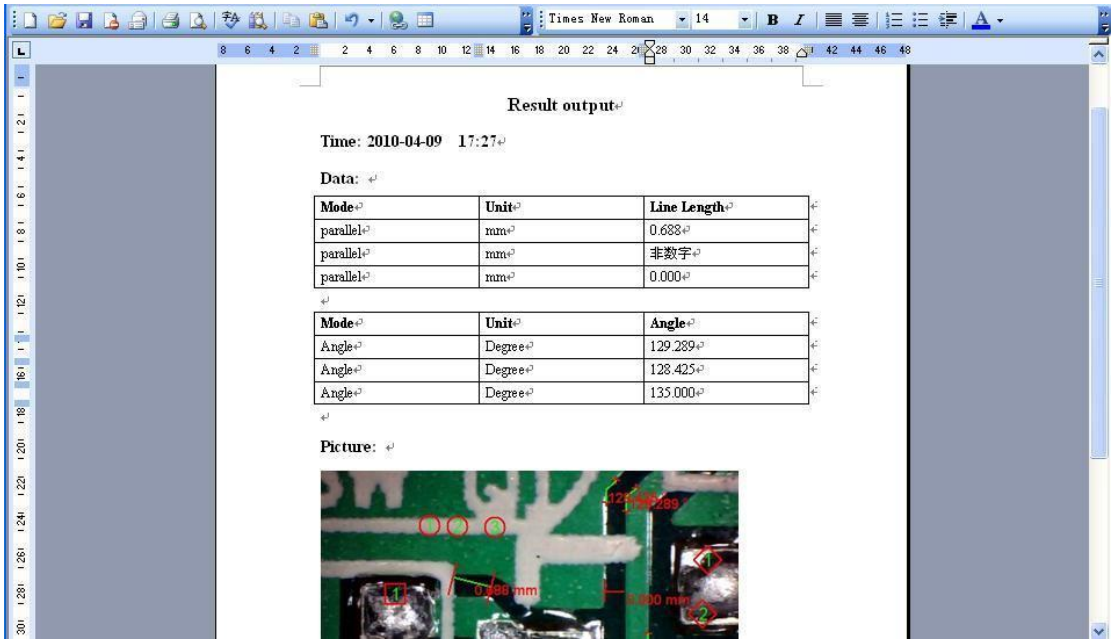


Color setting of display character



Click  to export word or excel format.

Example: Measure data under word file



Result output

Time: 2010-04-09 17:27

Data:

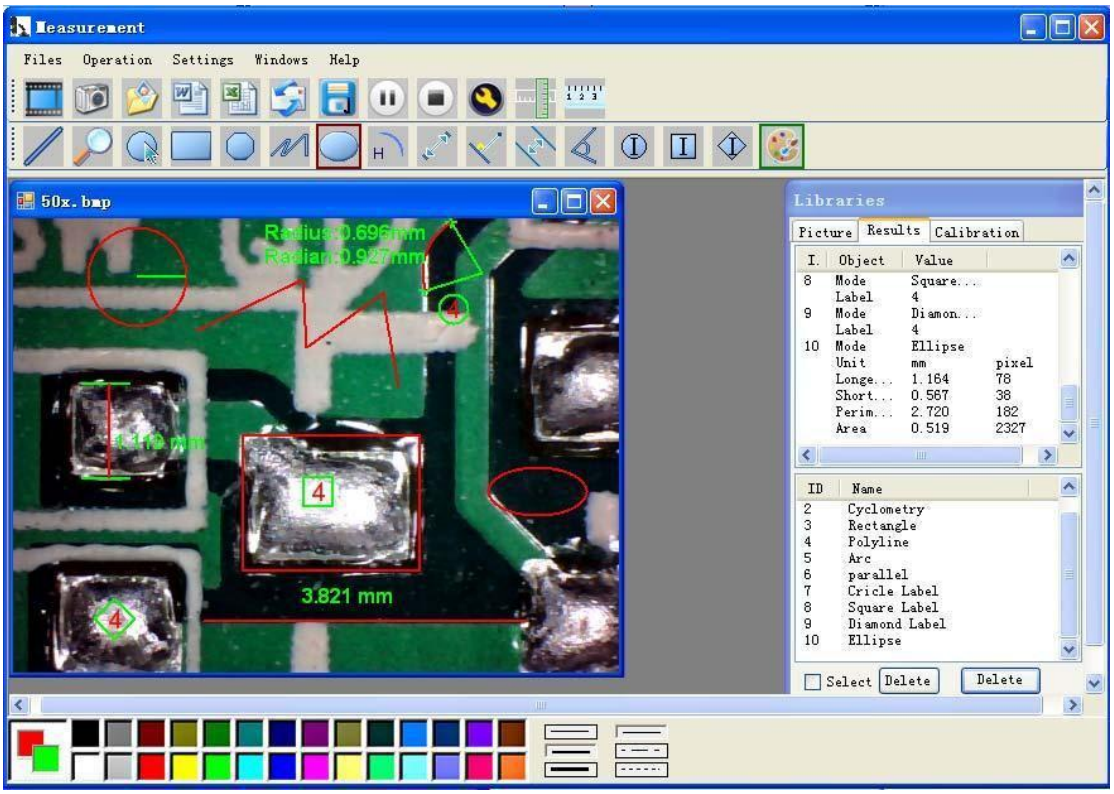
Mode	Unit	Line Length
parallel	mm	0.688
parallel	mm	非数字
parallel	mm	0.000

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

Picture:

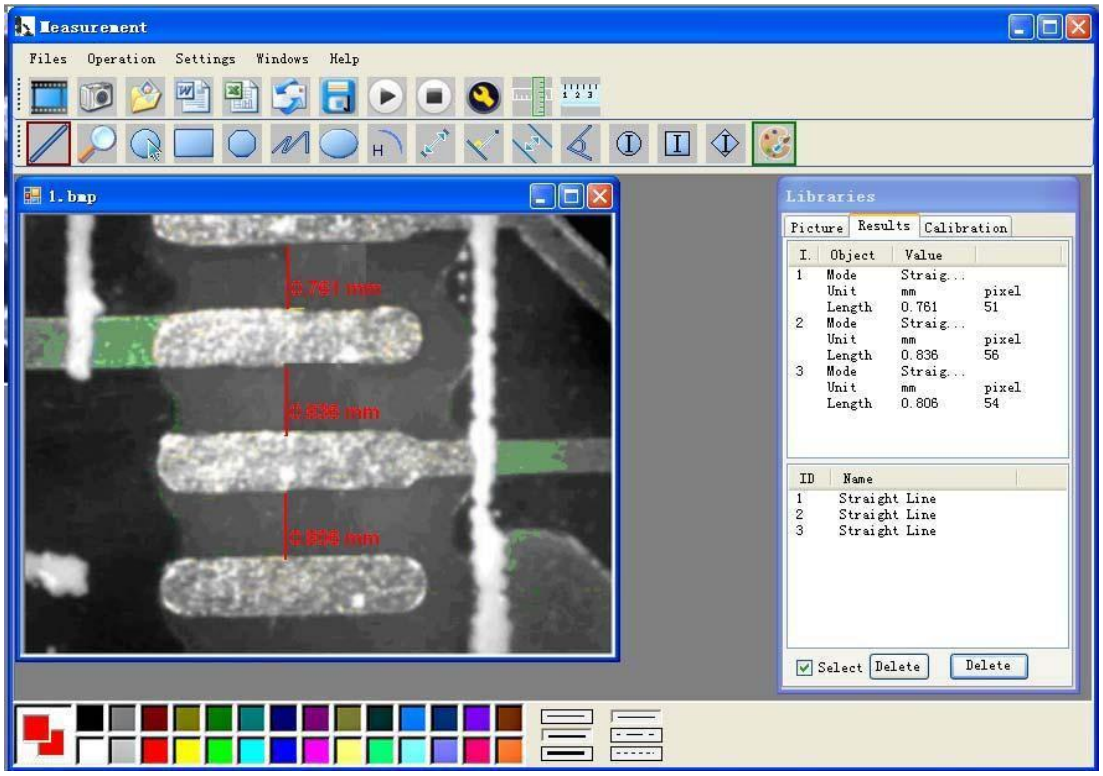
From Left to right: 

Line, ring, Square, Polygon, Set-line Length, Oval, Arc, Point to Point distance, Point to Line distance, Parallel line, Angle



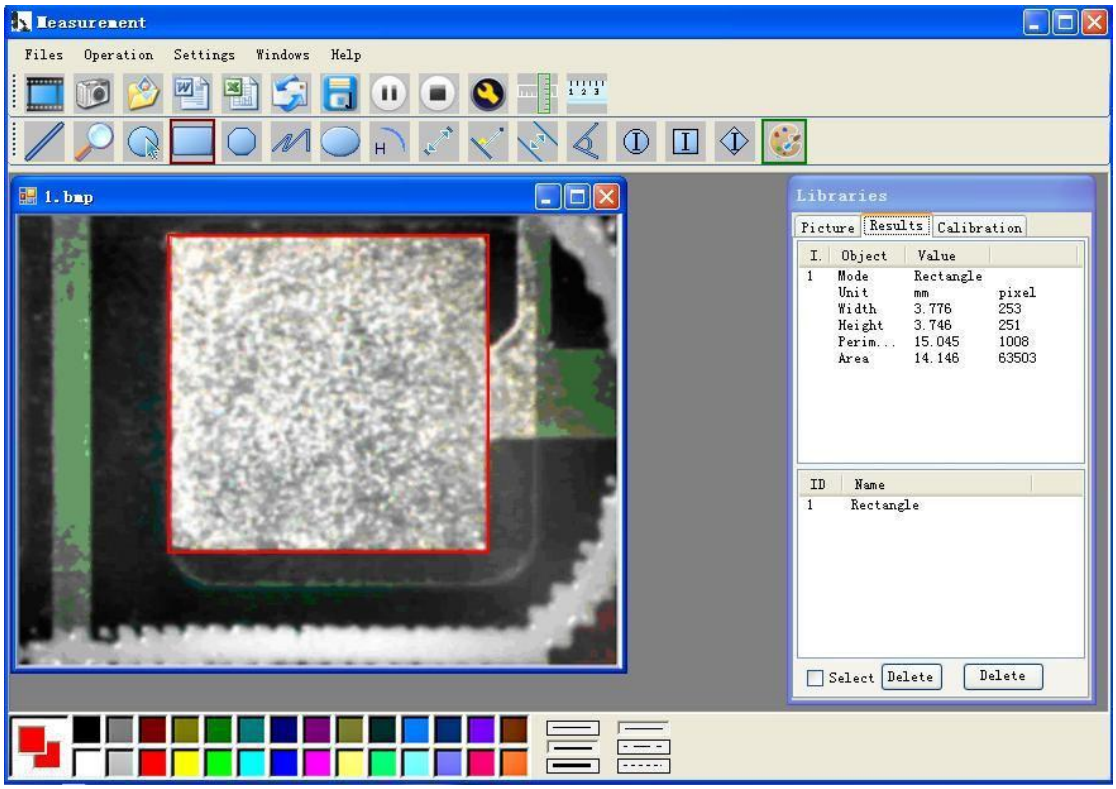
For example 1

Line measurement:

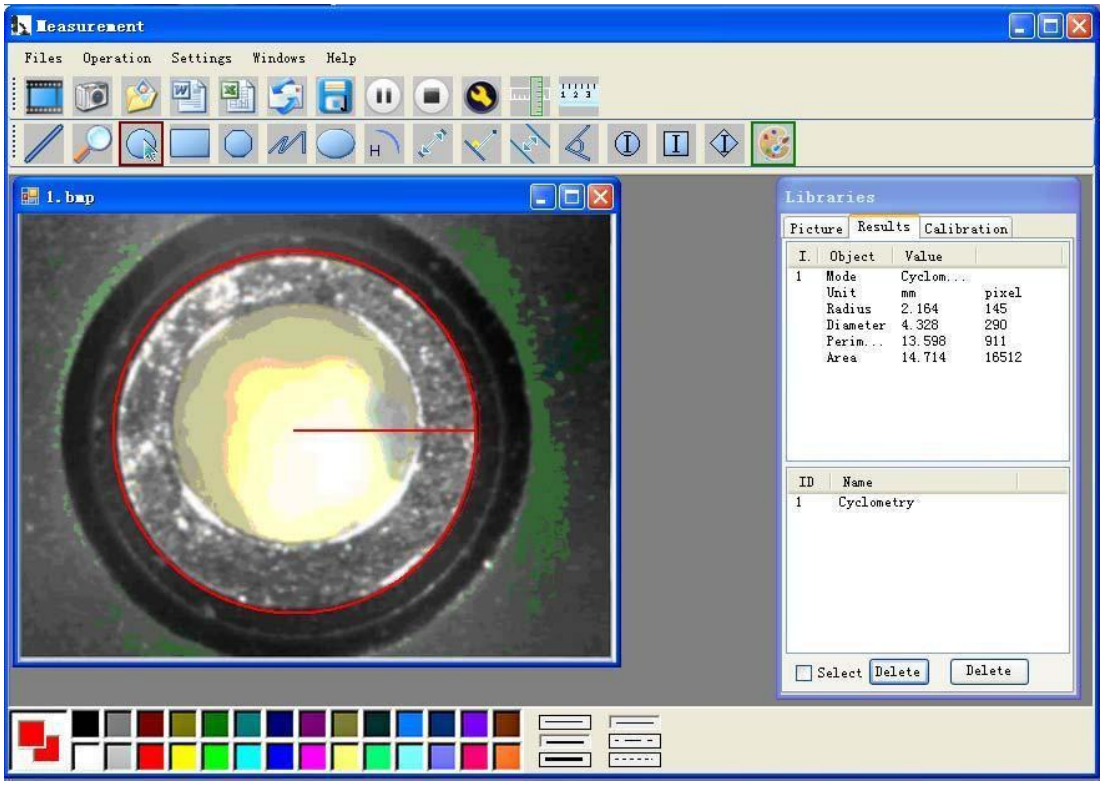


For example 2

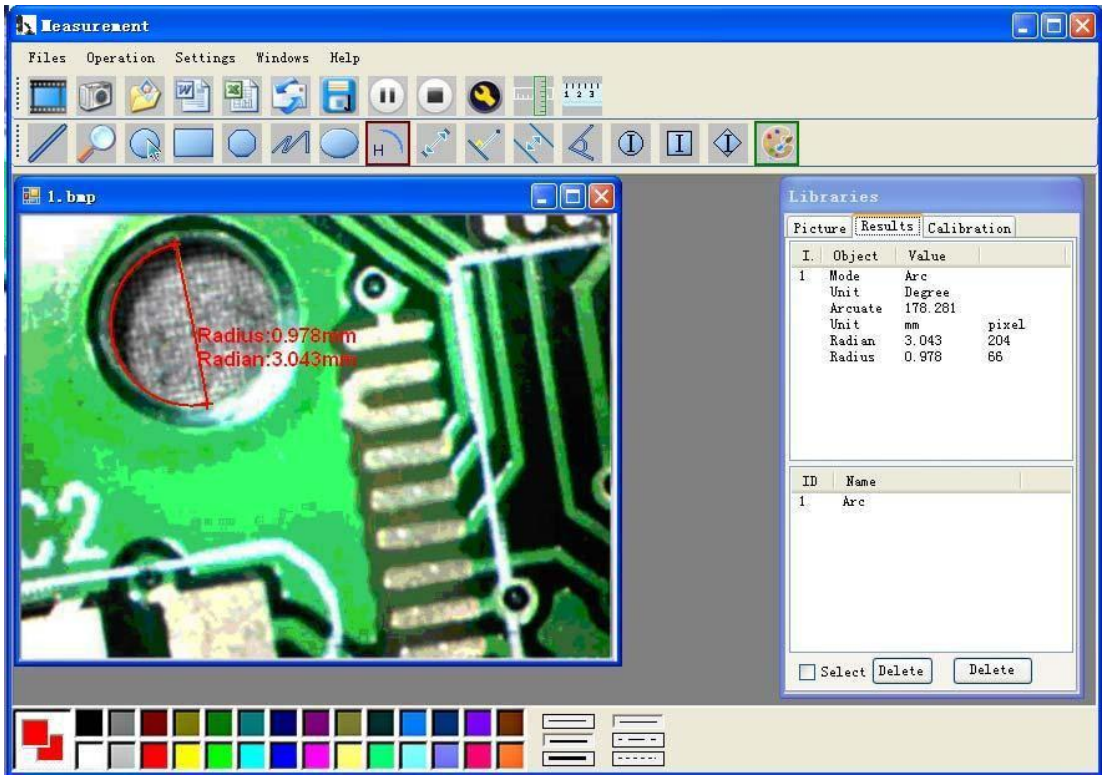
Rectangular measurements:



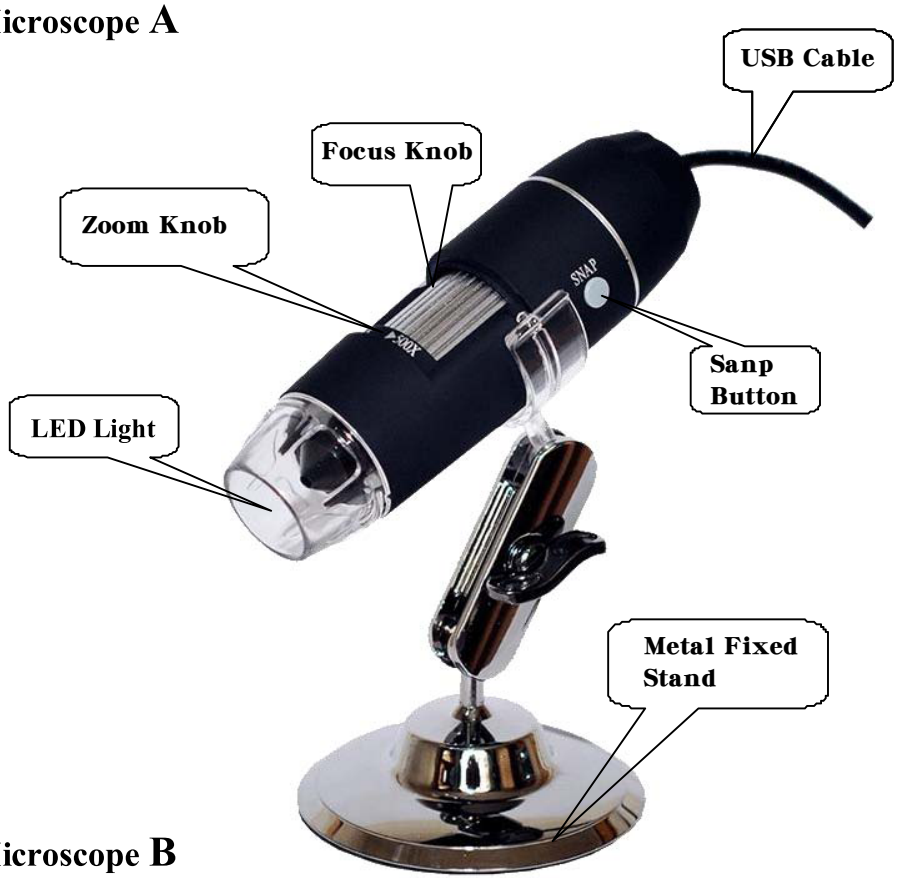
For example3
Ring measurements:



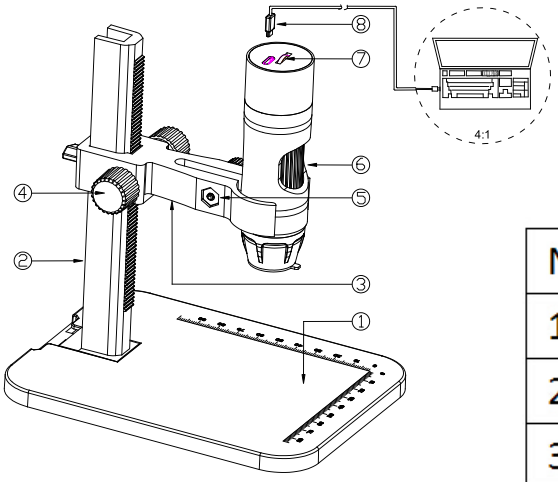
For example 4
Arc measurements:



Parts of Microscope A



Parts of Microscope B



No:	Parts Name
1	Stage
2	Arm Rail
3	Arm
4	Arm Controls
5	Bolts
6	Focus knob
7	Light Switch
8	USB Ports