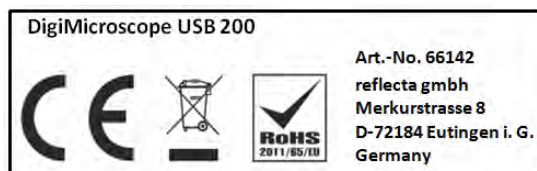
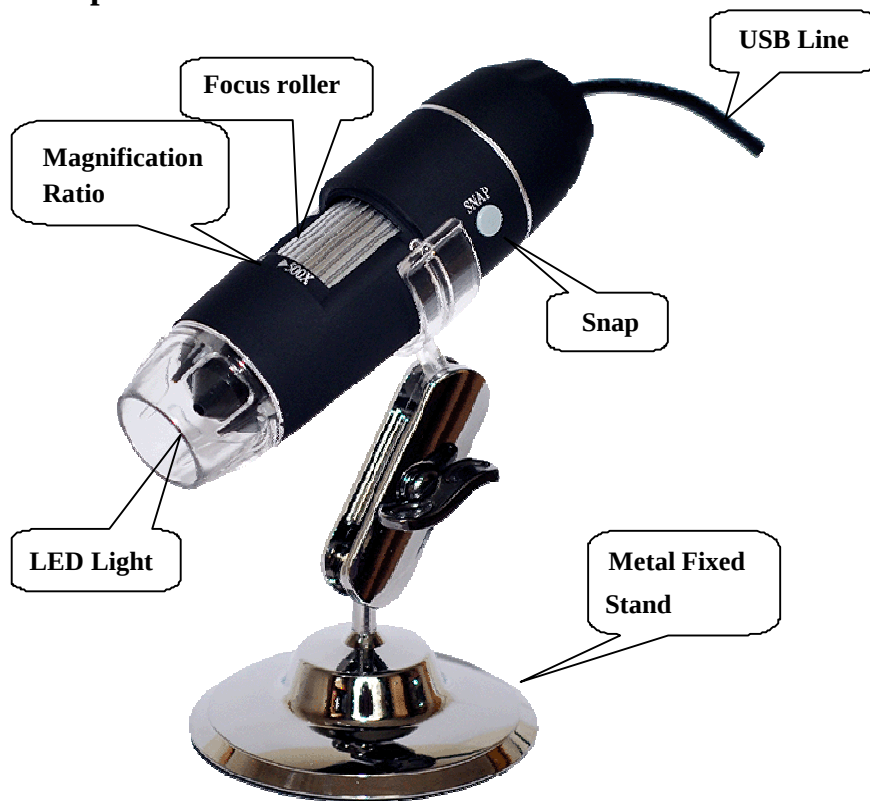

reflecta DigiMicroscope USB 200

User Manual

www.reflecta.de



Parts of Microscope

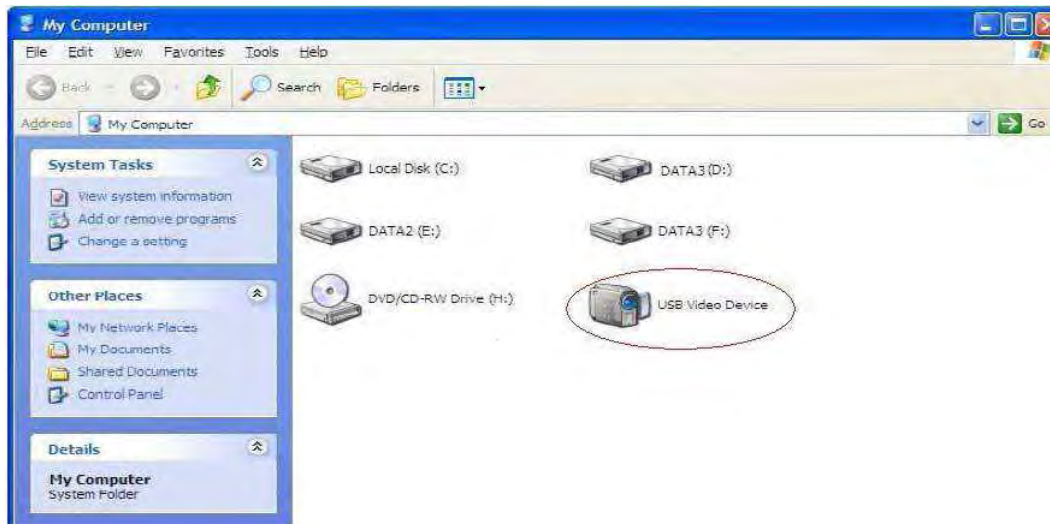


Notes before use

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.

Scope of delivery

- Digital microscope with USB interface
- Stand
- Software CD
- Quick Start Guide
- Calibration ruler



Hardware system requirements

Windows XP, VISTA, WIN7, WIN8, WIN10 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.

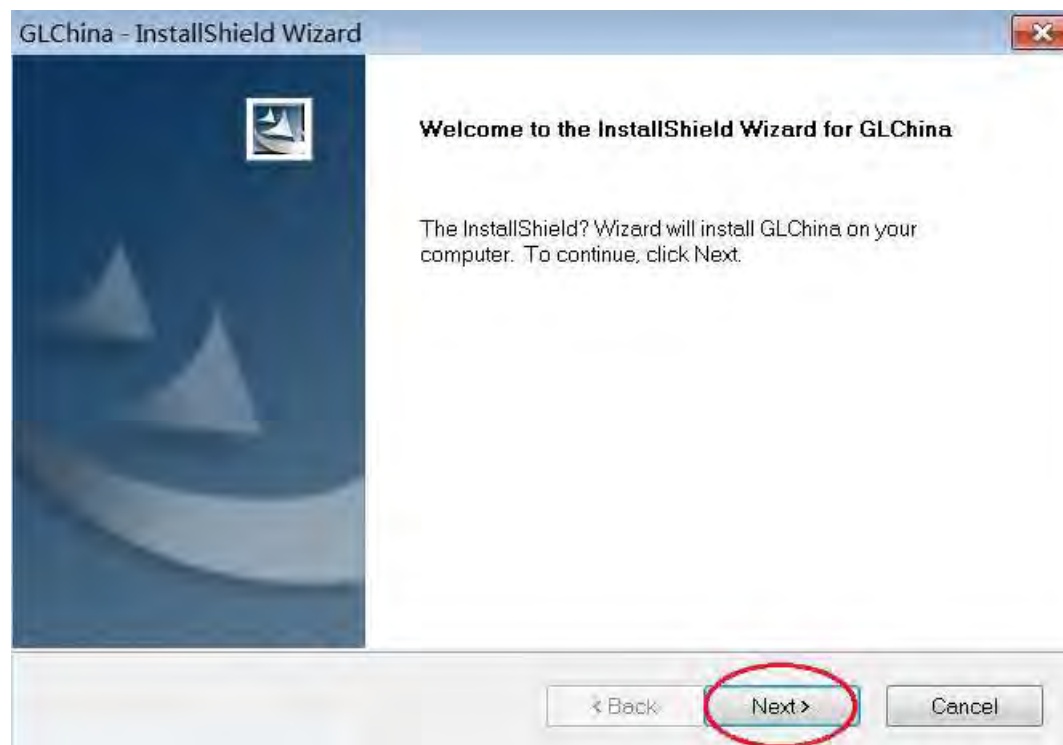
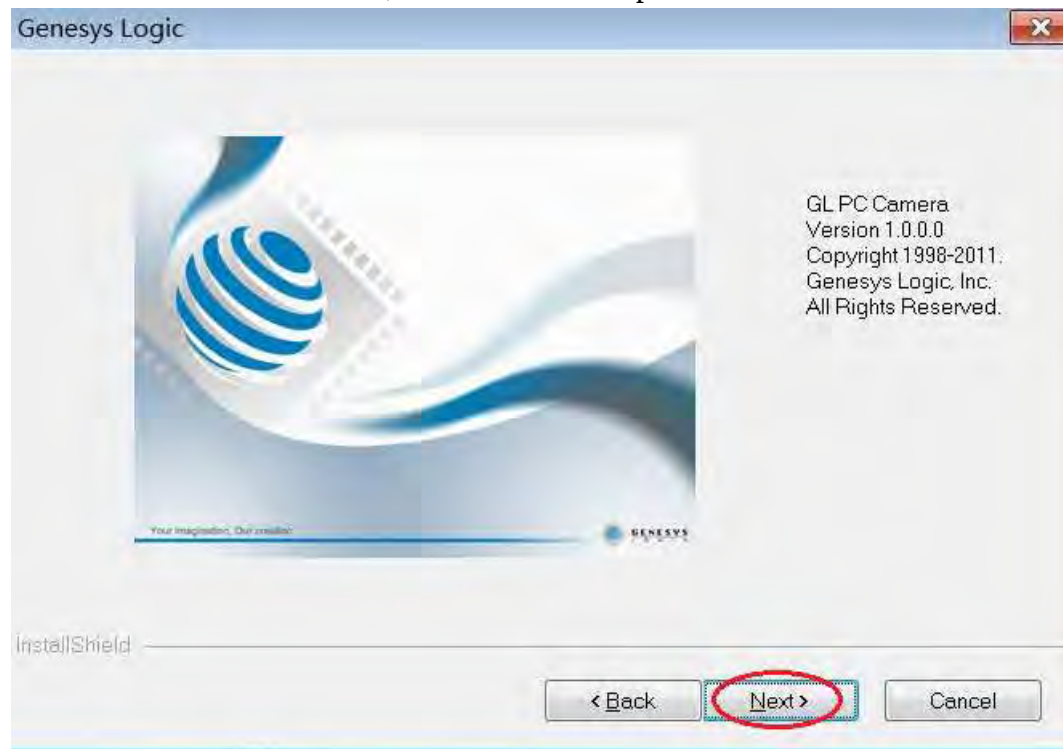
1. Connect the Portable digital microscope by USB2.0 cable to your computer, double click “my computer” icon on your computer desktop, below interface will be shown up.
2. Double click the Video device icon as above red marked in your computer. Now it is ready to use.

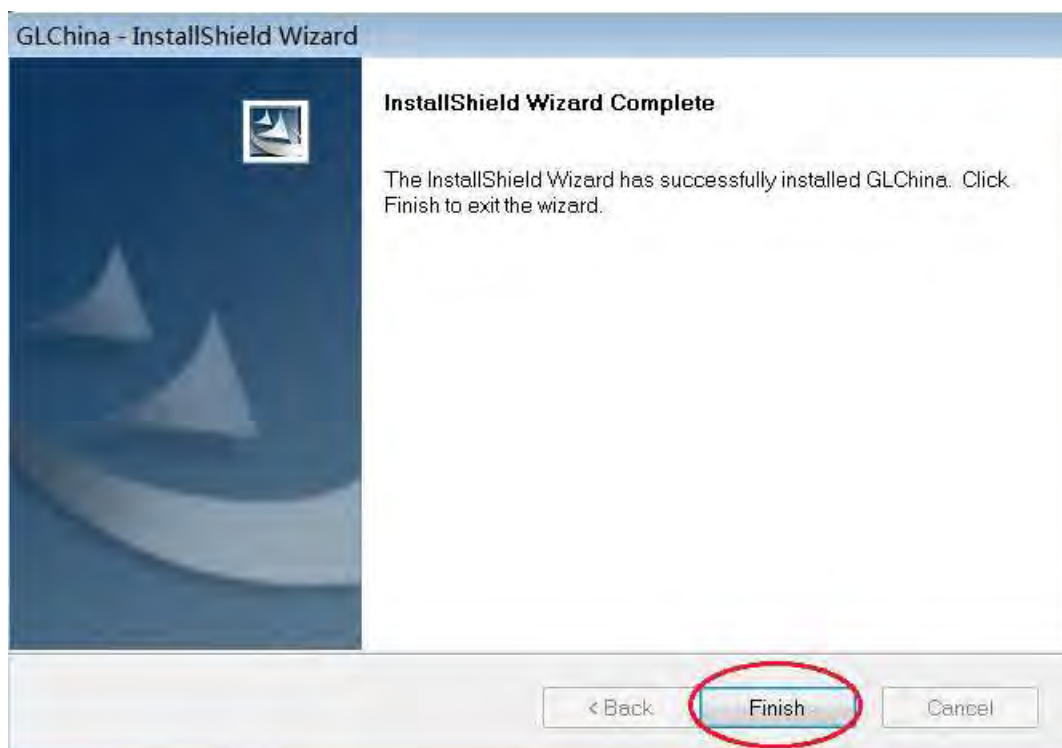
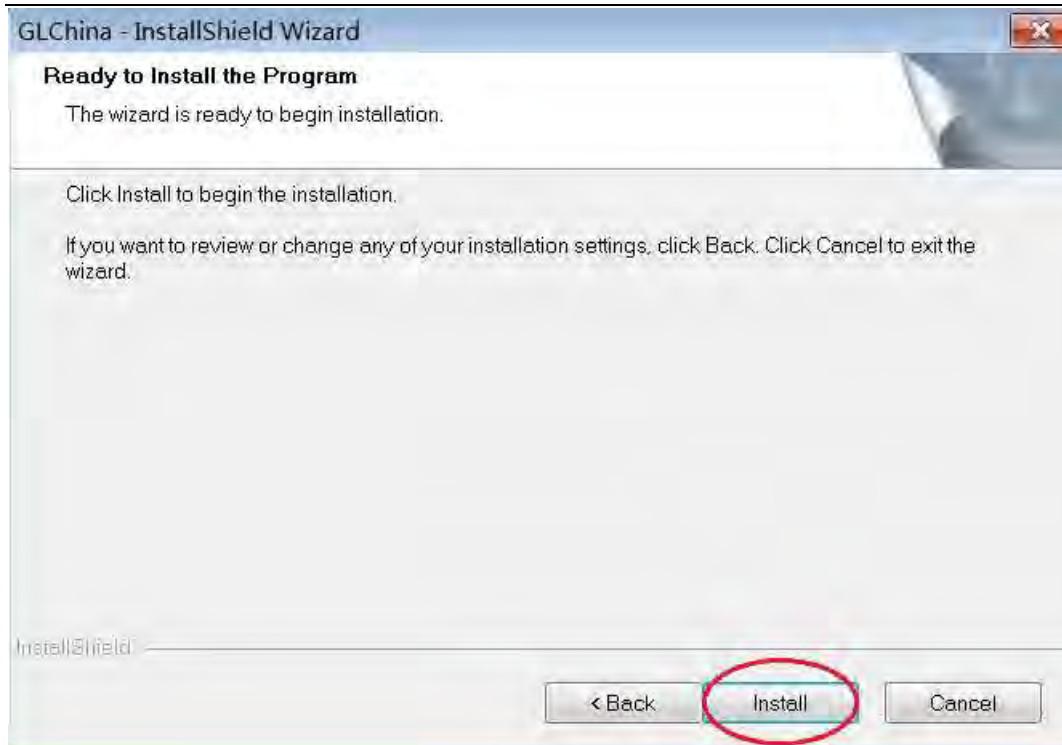
If you can't find the Video device, or if your computer can't recognize it,
Please follow below steps to install the driver.

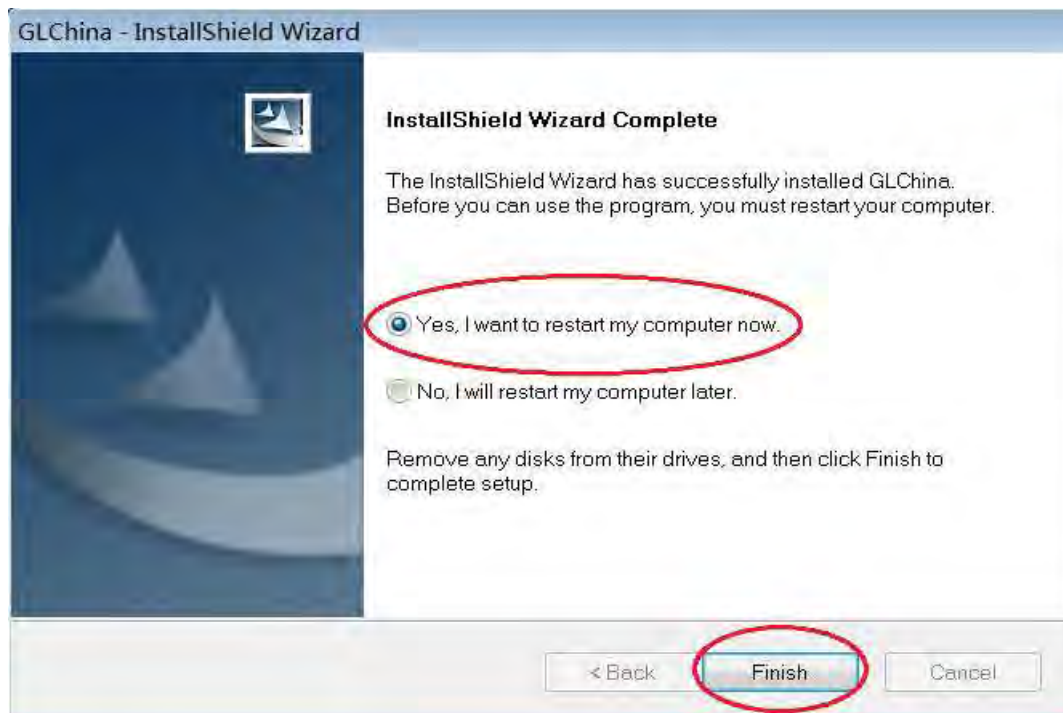
Insert the attached CD, open “My Computer”, and double click the “DVD/CD Driver” to open the CD.

Driver installation

Choose and install the Driver, then reset the computer







Reset the computer after driver installation at once;

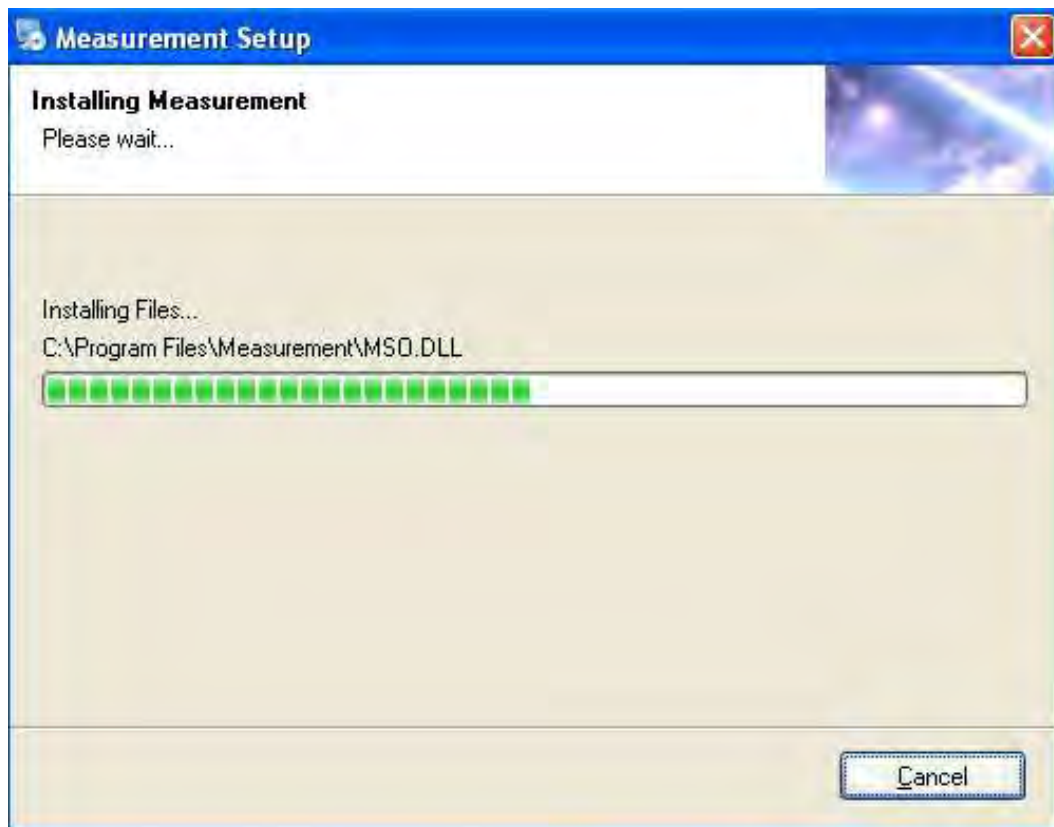
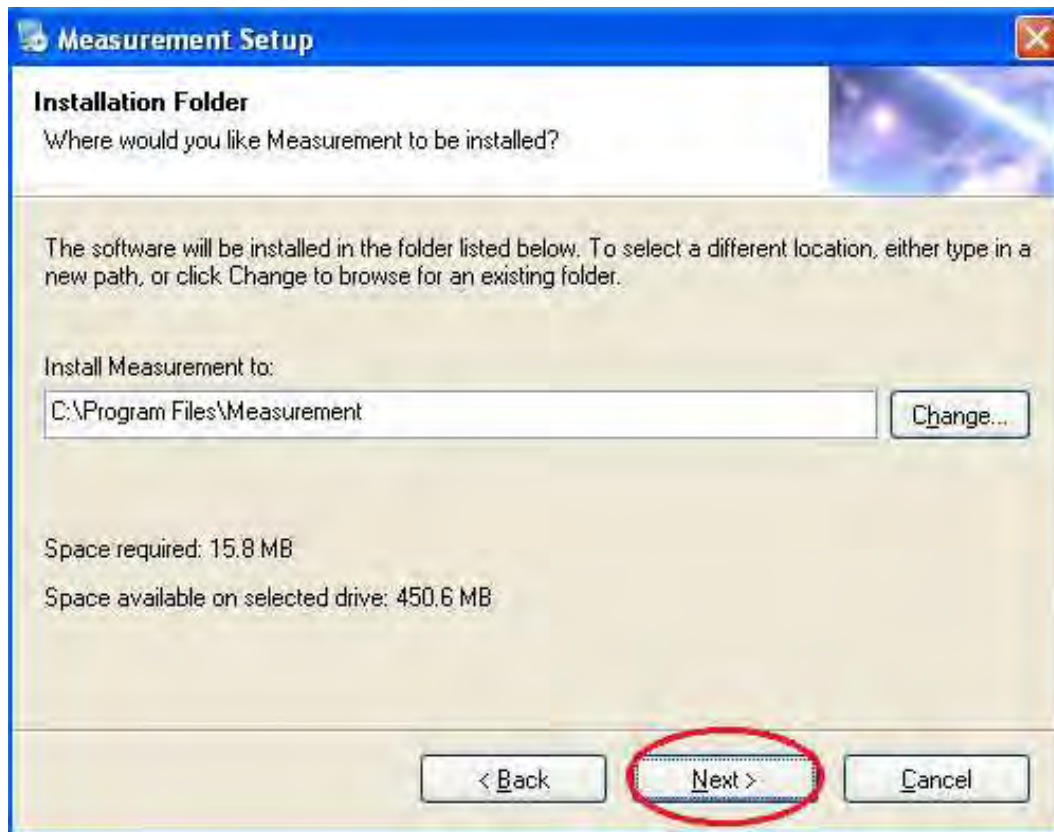
Installation may be blocked by the antivirus software, so let the antivirus software allow all processes, or close the antivirus before installing. If installation succeeds, you can see the icon  on the Toolbar, also the software desktop icon, double click to run it.

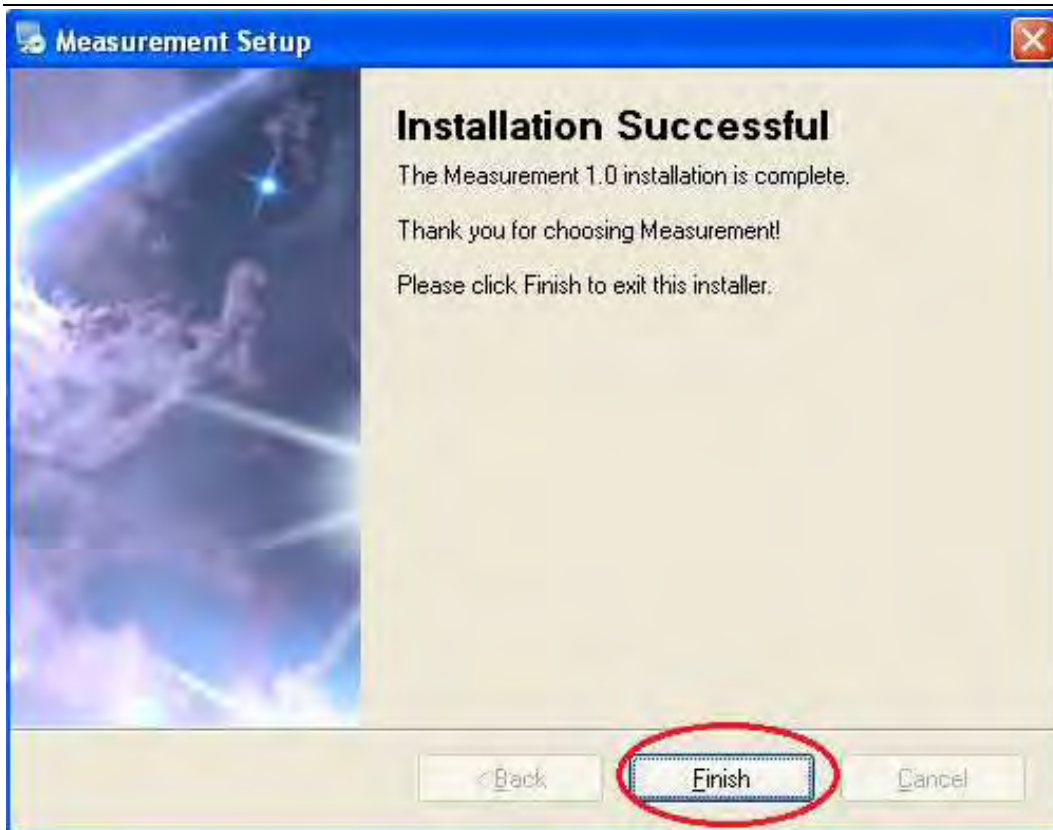


Now you can use the microscope. Long press the SNAP button on the microscope to take images, and the ZOOM button to have digital zoom function.

Measurement installation

Choose and install the Measurement



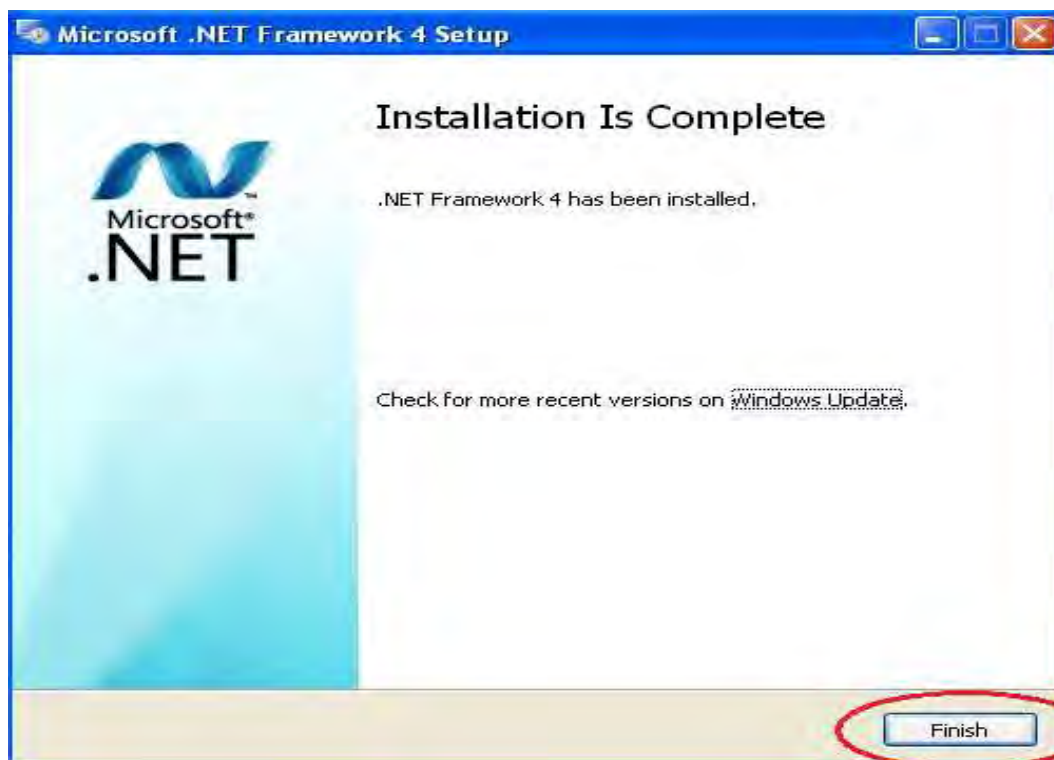
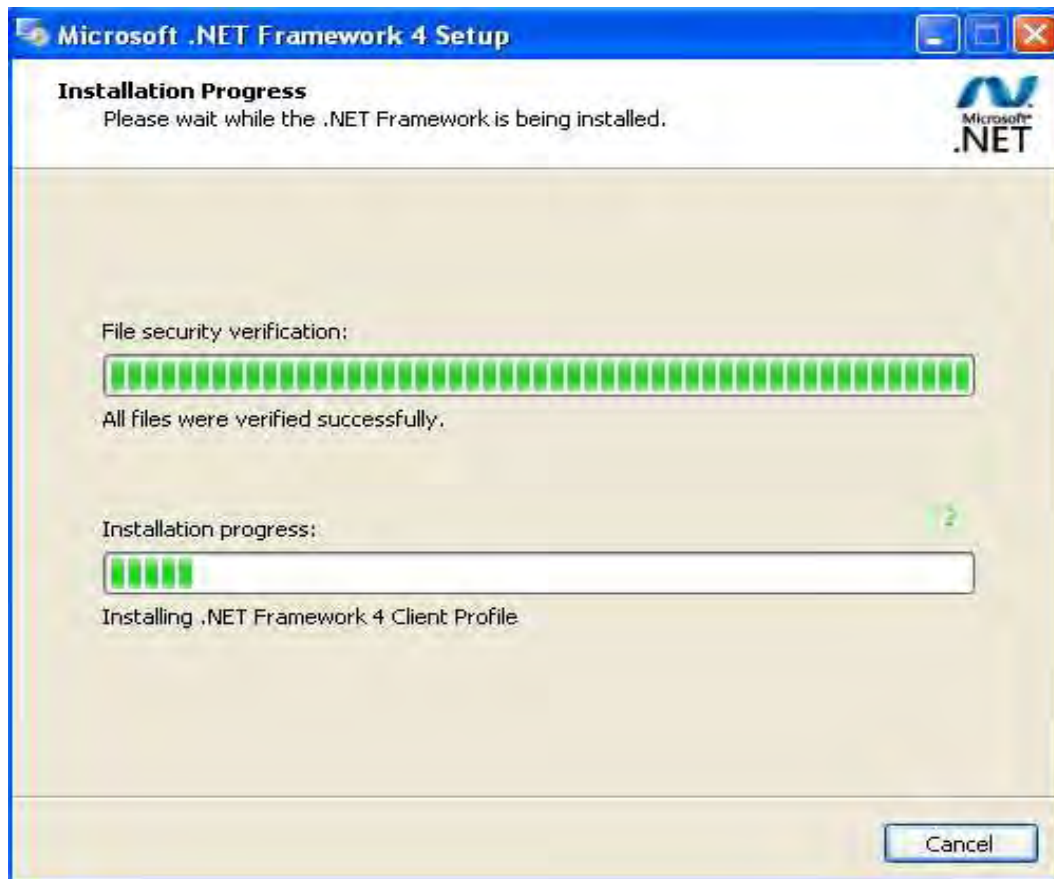


Click "Finish" and the installation completes.

Microsoft .NET Framework installation

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

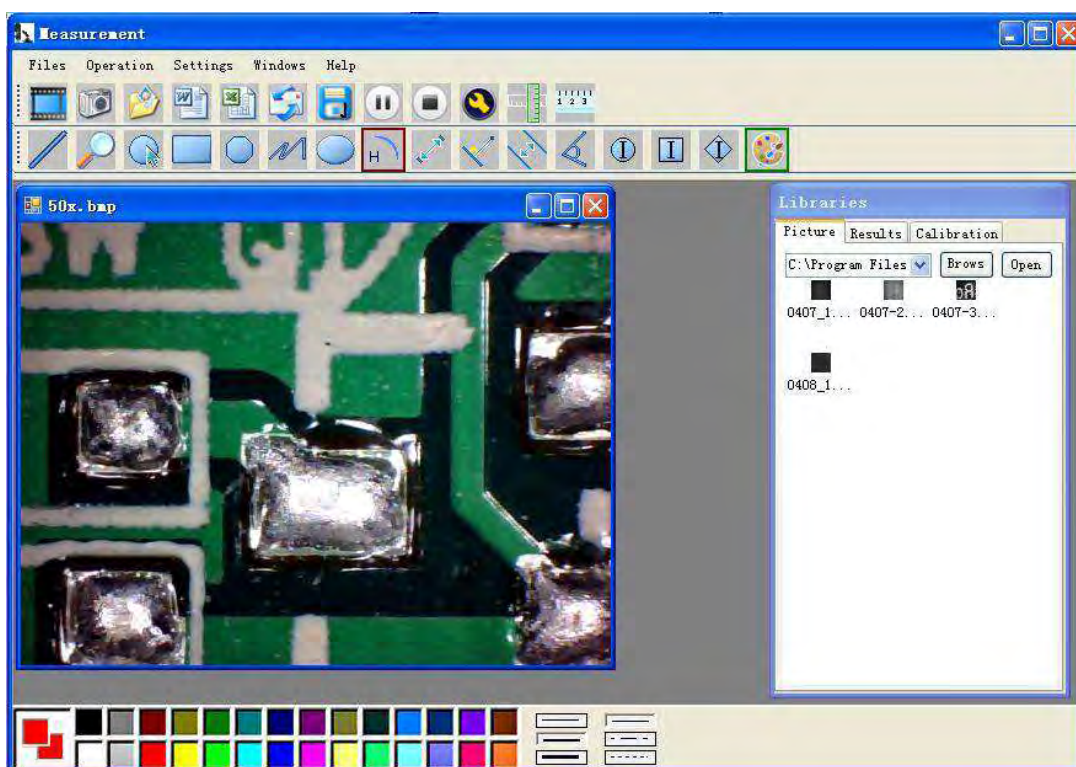




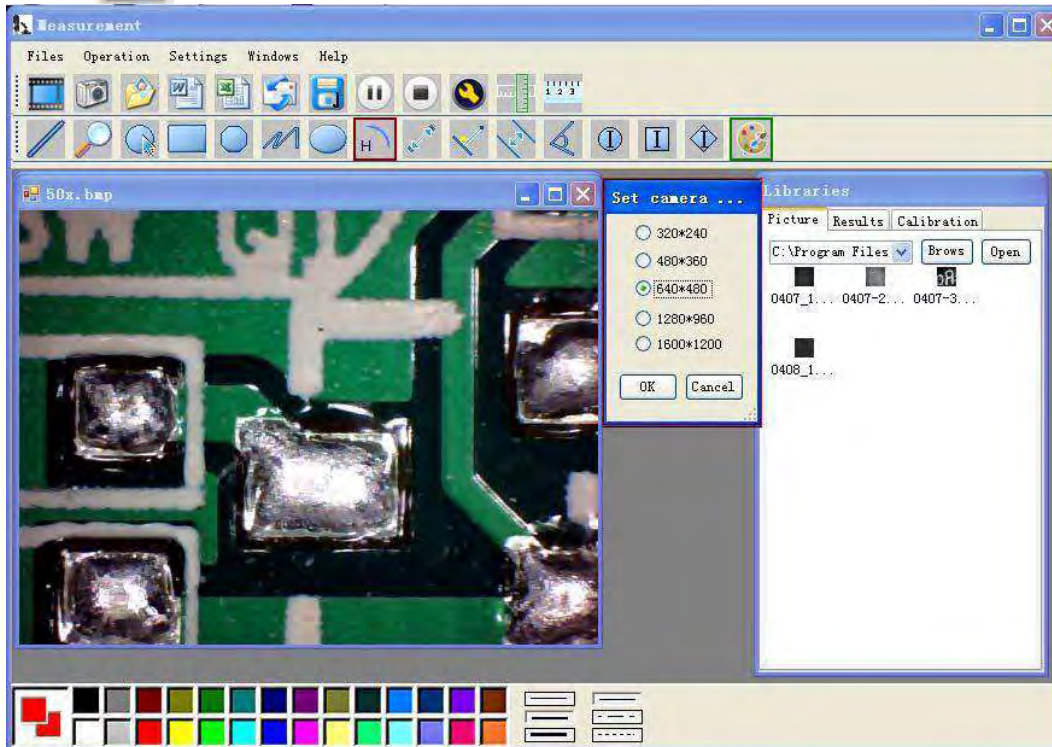
After the installation completes, double click  at computer desktop to start using the software.



Plug-in the devices, Display in operation window

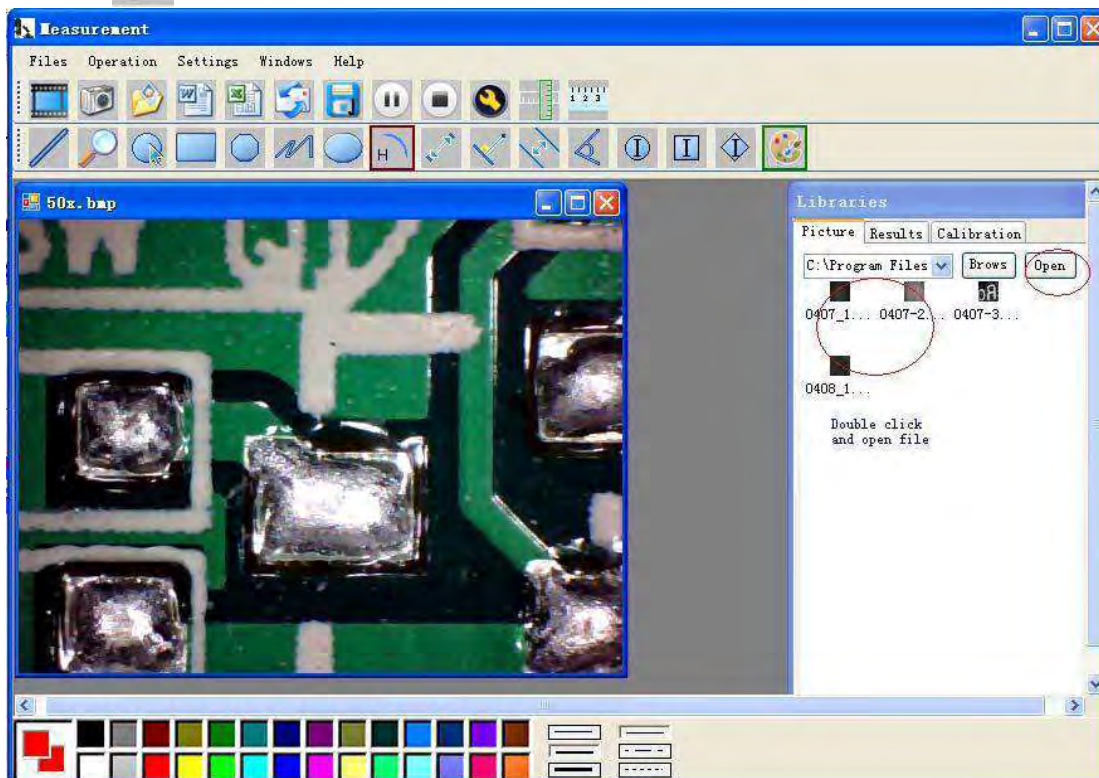


Click  open the operation system

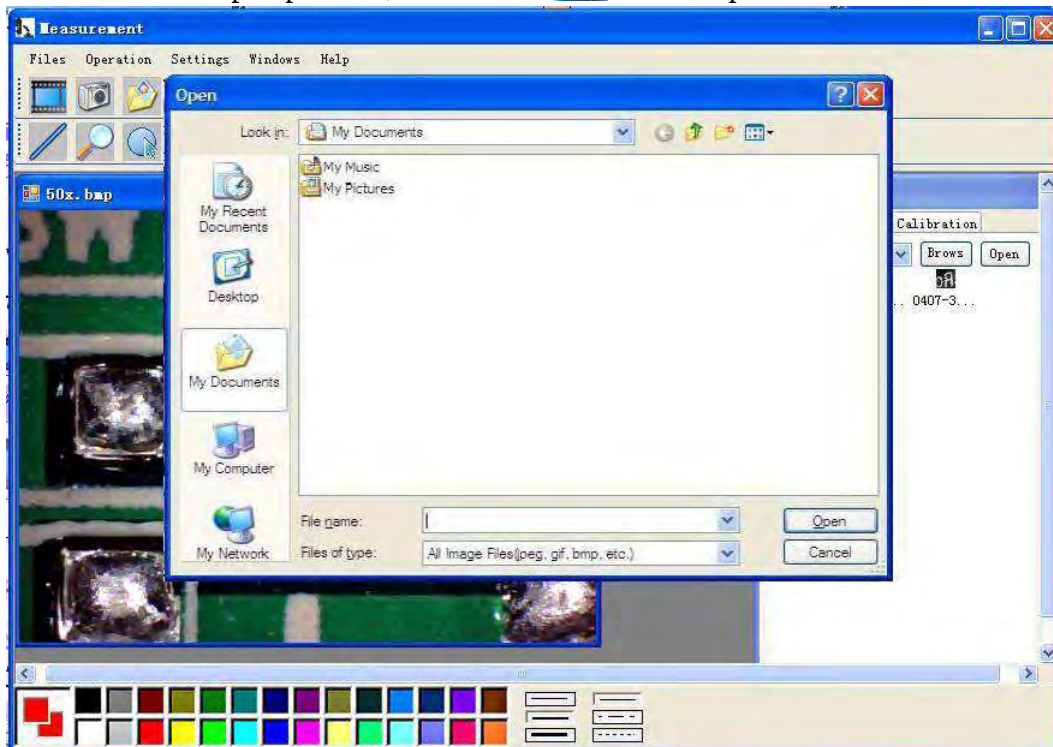


Choose the Image resolution from 320*240 to 1600*1200, default at VGA Mode 640*480

Click  To use measurement function.



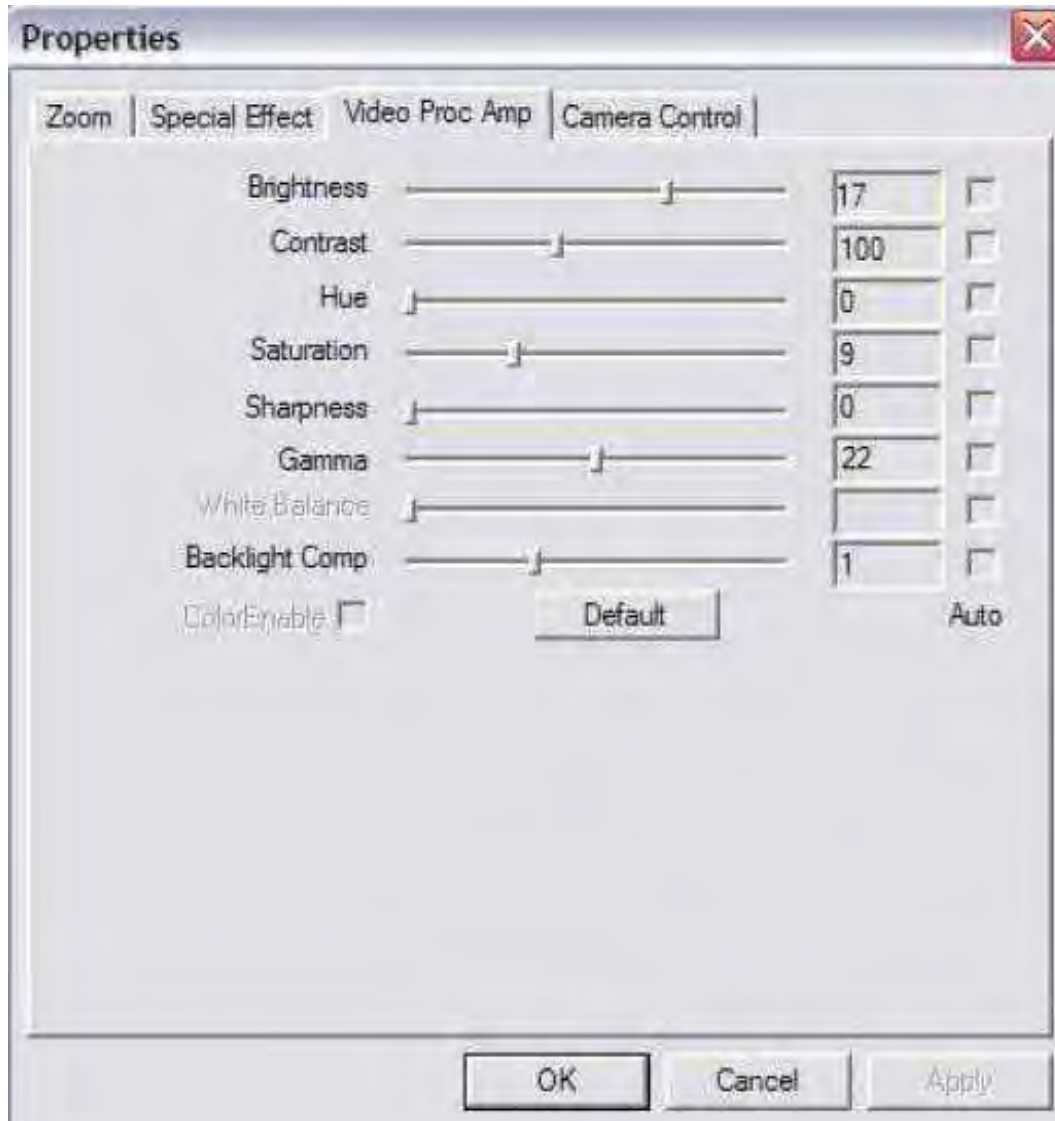
Click  to open pictures, and click  to save pictures



Video PLAY (Pause) ,STOP



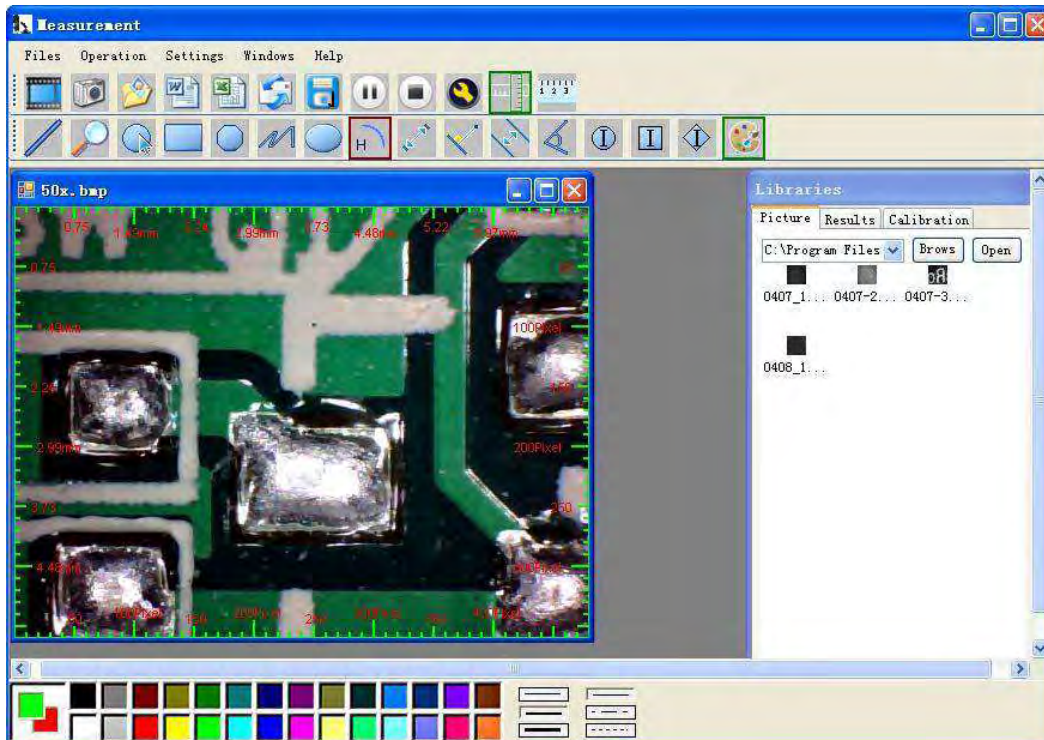
Image Parameter including Image setting and special effects



Magnifier

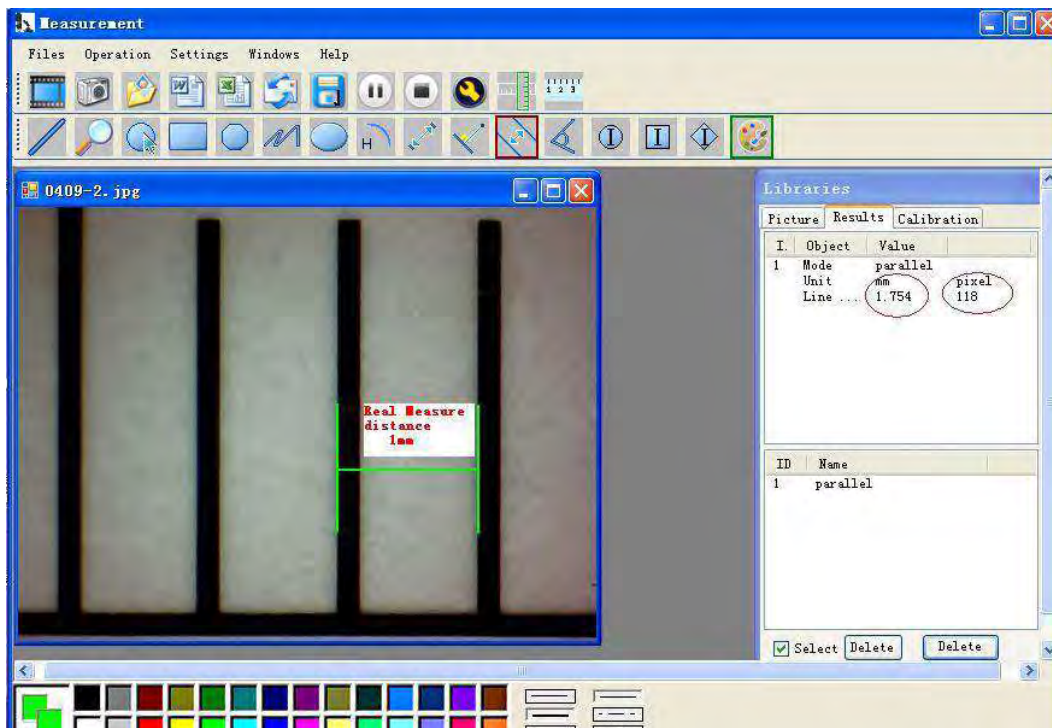


Click Ruler, as followings

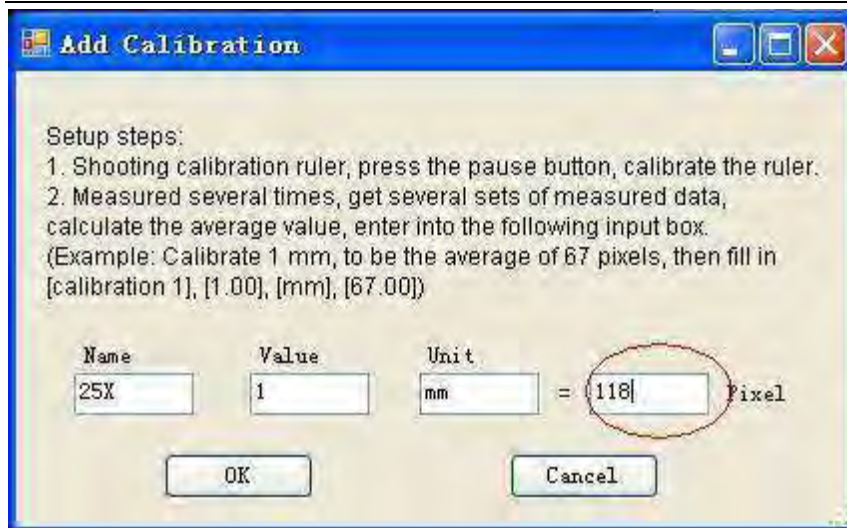


Click start calibration make sure certain accuracy.

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.



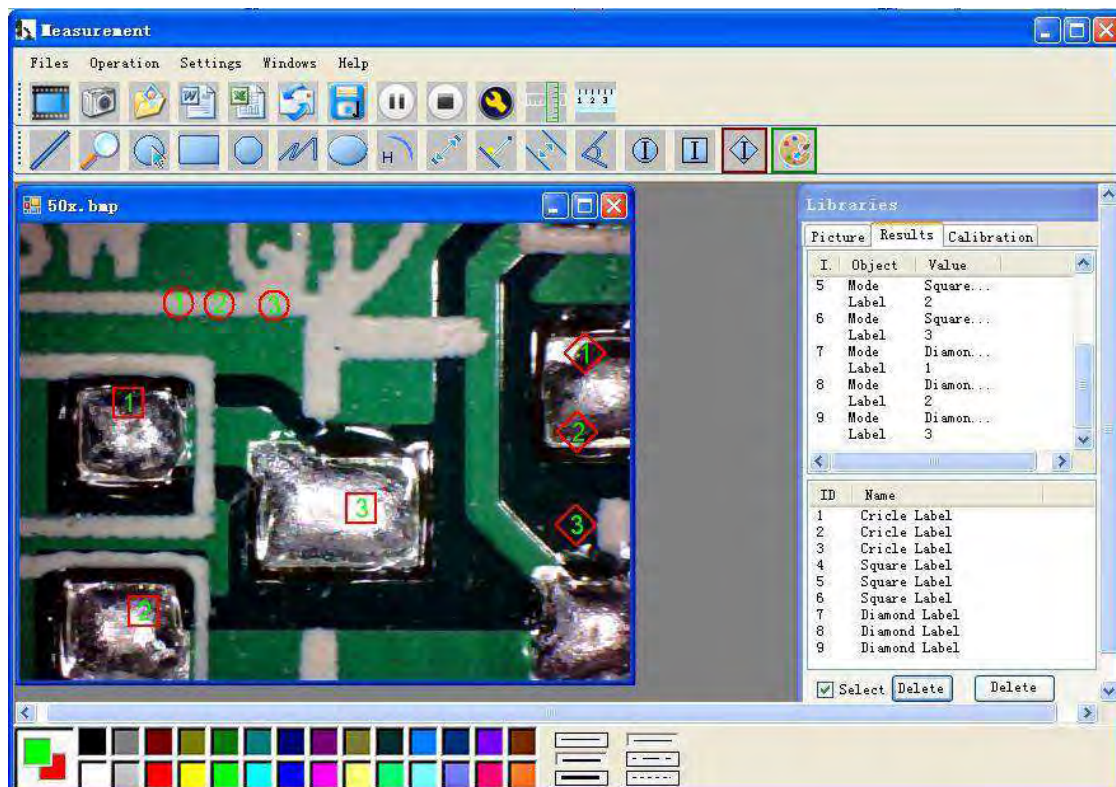
Key in the Measure data (Pixel), Unit, and Click' OK'



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

Measurement

Files Operation Settings Windows Help

50x. bmp

Radius 0.696mm
Radiant 0.927mm

3.821 mm

1.115 mm

Libraries

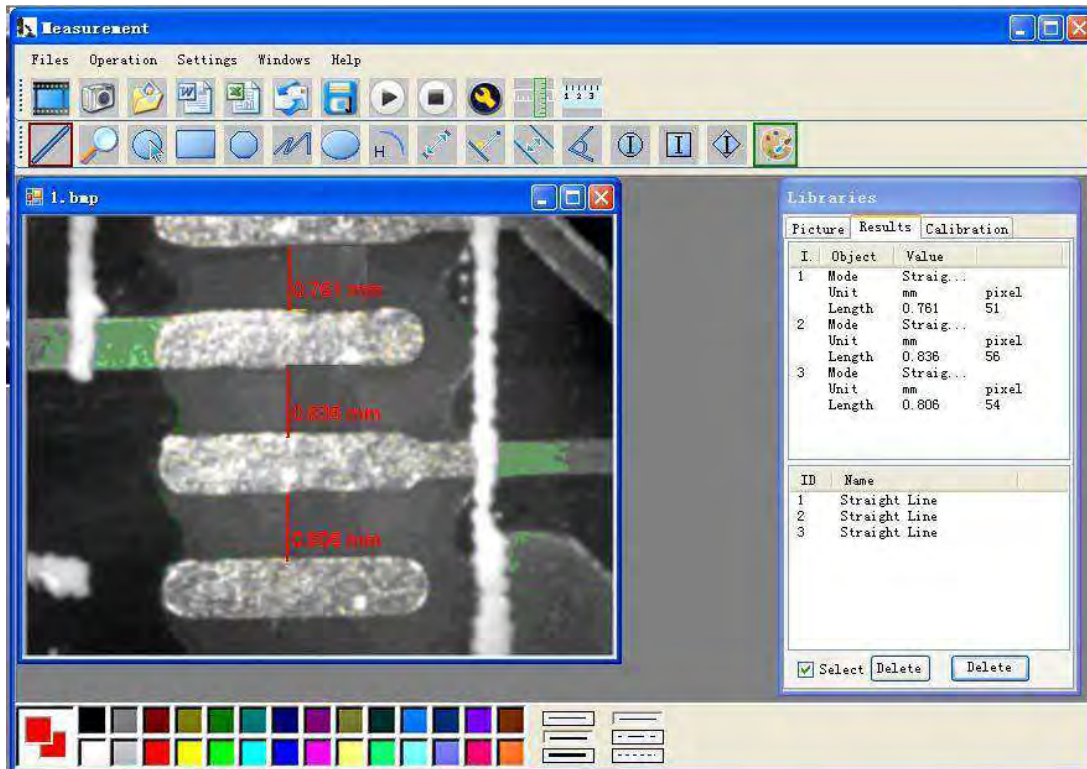
I	Object	Value
8	Mode	Square...
	Label	4
9	Mode	Diamond...
	Label	4
10	Mode	Ellipse
	Unit	mm pixel
	Longe...	1.164 78
	Short...	0.567 38
	Perim...	2.720 182
	Area	0.519 2327

ID	Name
2	Cyclometry
3	Rectangle
4	Polyline
5	Arc
6	parallel
7	Circle Label
8	Square Label
9	Diamond Label
10	Ellipse

Select Delete Delete

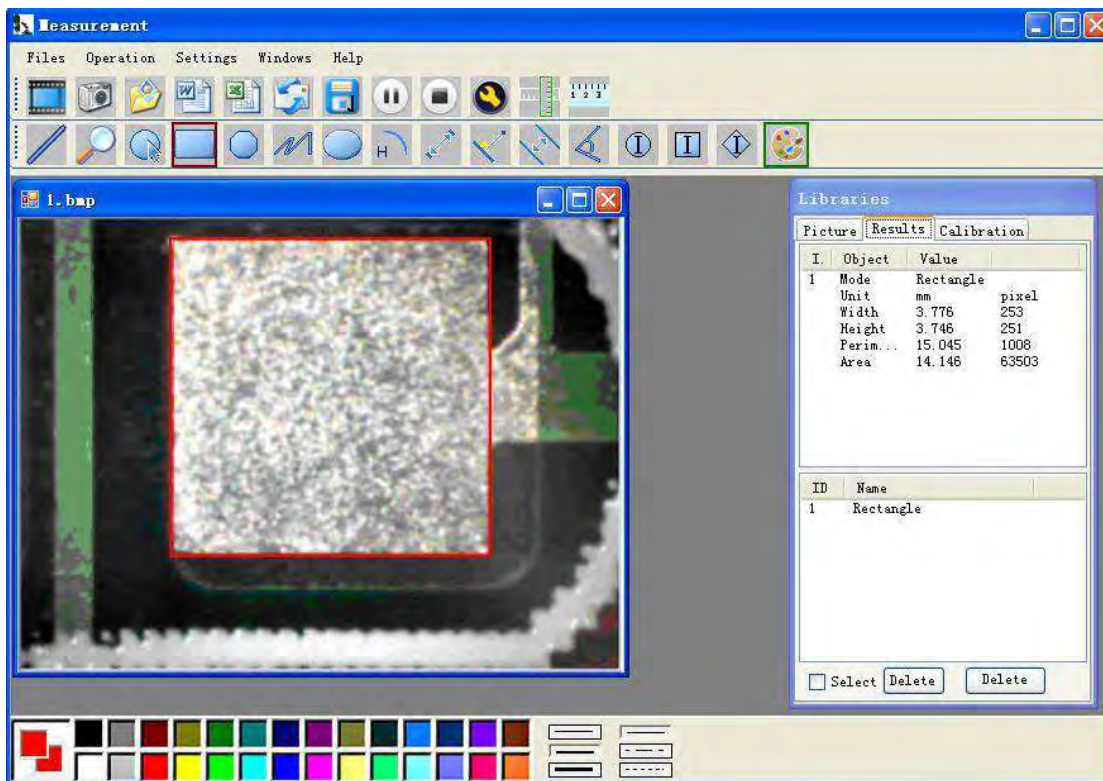
For example 1

Line measurement:

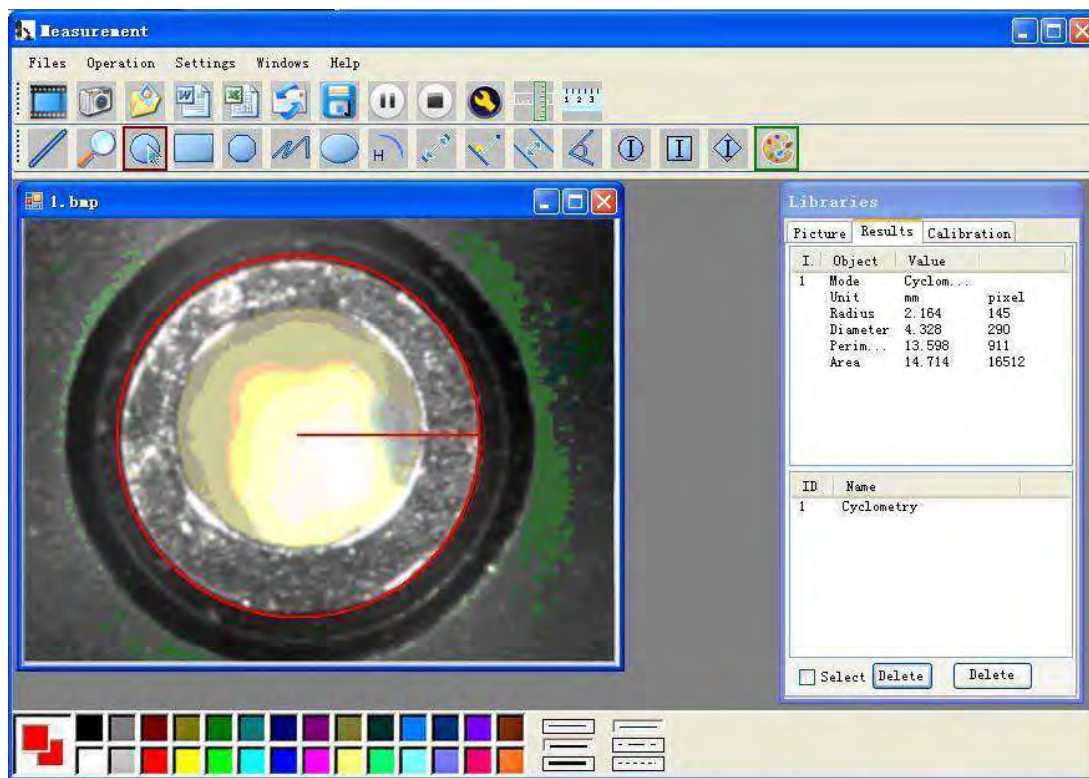


For example 2

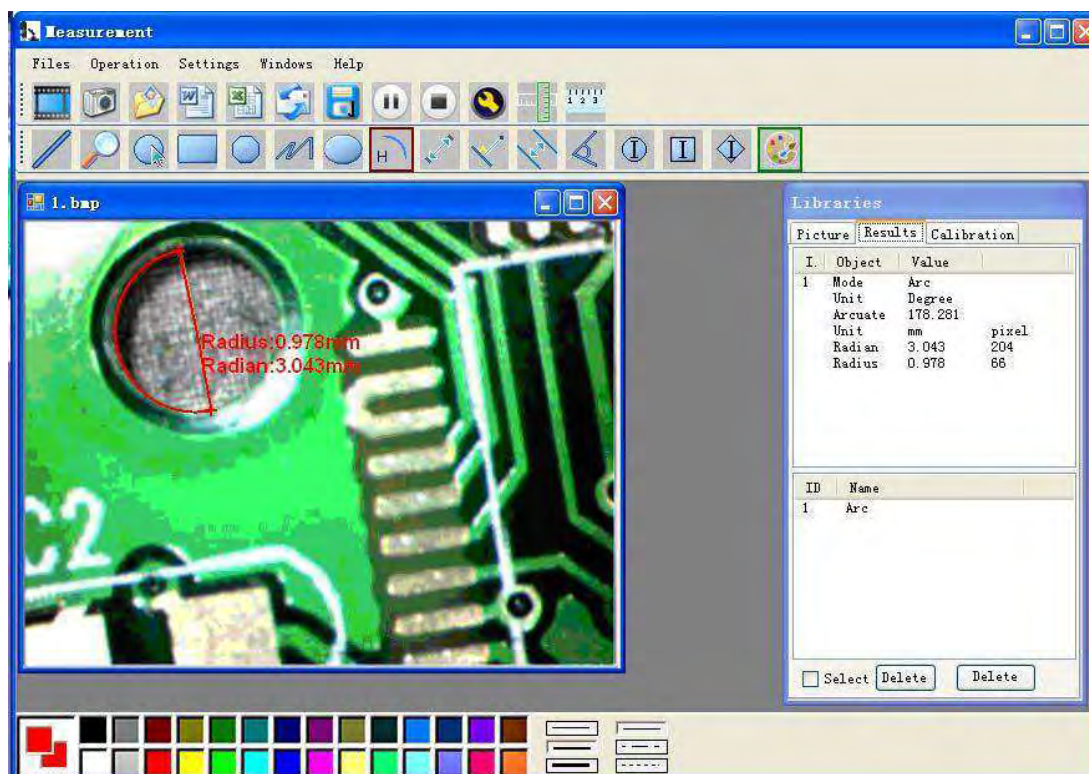
Rectangular measurements:



For example3
Ring measurements:



For example 4
Arc measurements:



This symbol on the product or in the instructions means that your electrical and electronic equipment should be disposed at the end of its life separately from your household waste.

There are separate collection systems for recycling in the EU.

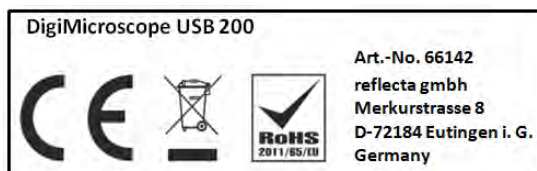
For more information, please contact the local authority or your retailer where you purchased the product.



reflecta DigiMicroscope USB 200

Guide d'utilisation

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Composants du microscope

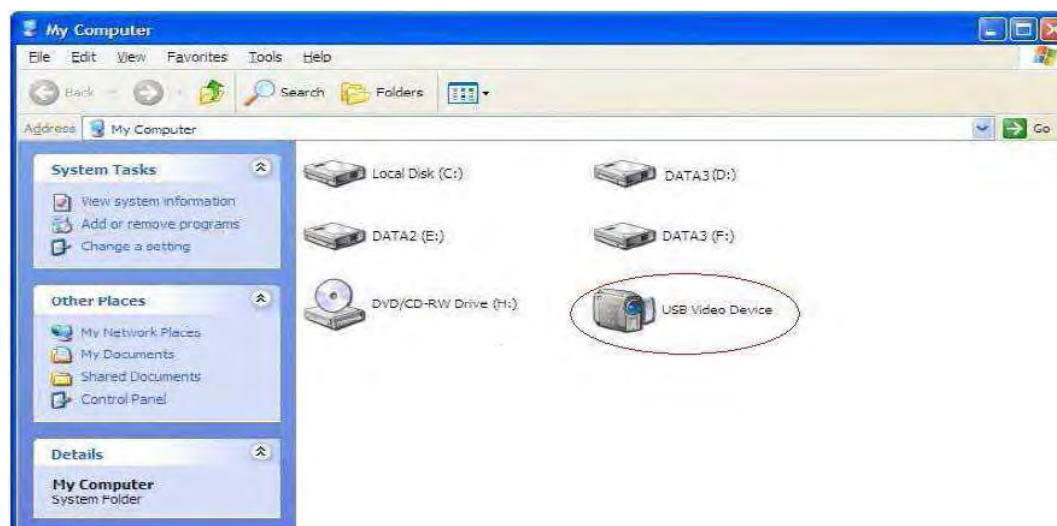


Consignes à respecter avant l' utilisation

1. Ne démontez pas le microscope numérique et ne modifiez pas les pièces internes, vous risquez de l'endommager.
2. Ne nettoyez pas le microscope avec des solvants organiques tels que l'alcool
3. Ne touchez pas l'objectif avec vos doigts.
4. Évitez toute utilisation à l'extérieur si possible.
5. Température de stockage, 0 °C ~ 40 °C, Humidité : 45% ~ 85%RH.
6. Si de l'eau est renversée sur l'appareil, le débrancher immédiatement du PC. Ne le démontez pas et n'utilisez pas un sèche-cheveux pour le sécher. Envoyez le microscope numérique à un centre de réparation si un liquide est renversé dessus.
7. Les données de Measurement sont pour référence uniquement.

Contenu de la livraison

- Microscope numérique avec interface USB
- Socle
- CD du logiciel
- Guide de démarrage rapide
- Règles de calibrage



Configuration matérielle requise

Windows XP, VISTA, WIN7, WIN8, WIN10 Pentium 1G, Celeron, AMD 1G & plus, 128Mo de mémoire, 150Mo d'espace disque dur, VGA16-bit & plus , CD-ROM, USB2.0 ou USB1.1.

Installation du pilote

Le microscope numérique fonctionne sans pilote, il est opérationnel immédiatement après sa connexion à un ordinateur équipé d'un système d'exploitation de version ultérieure à Win2000.

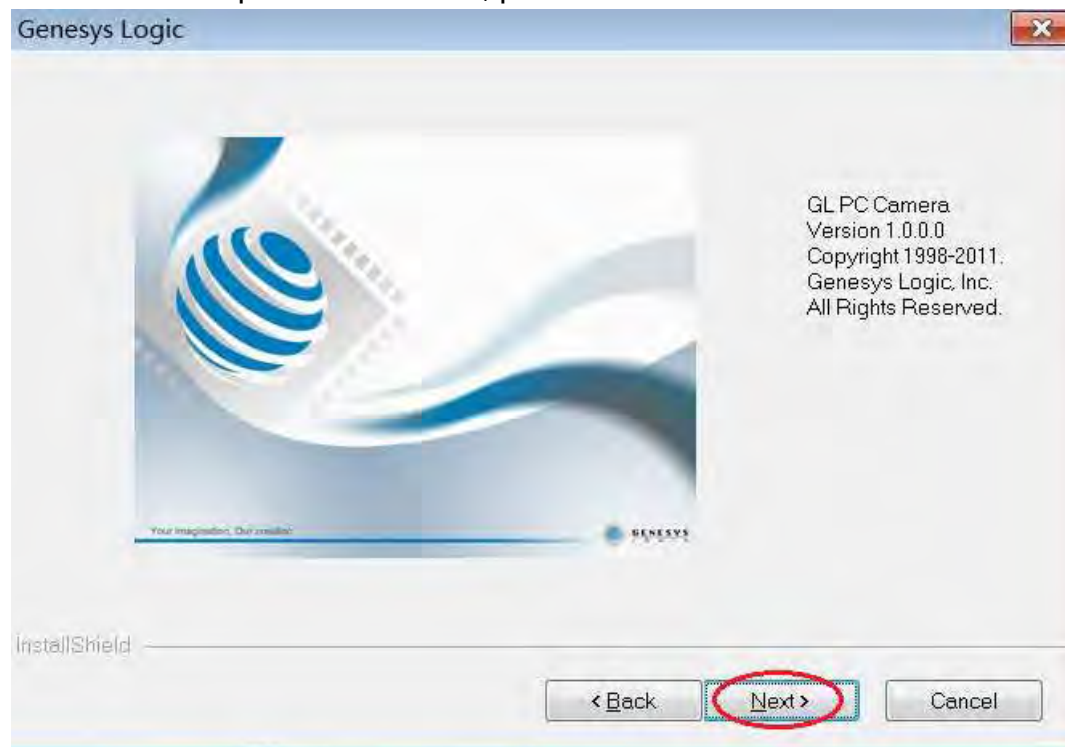
1. Connectez le microscope numérique portable à l'aide d'un câble USB 2.0 à votre ordinateur, double-cliquez sur l'icône «Poste de travail» du bureau pour ouvrir l'interface ci-dessous.
2. Double-cliquez sur l'icône du périphérique vidéo ci-dessus marqué en rouge sur votre ordinateur. Il sera prêt à l'emploi.

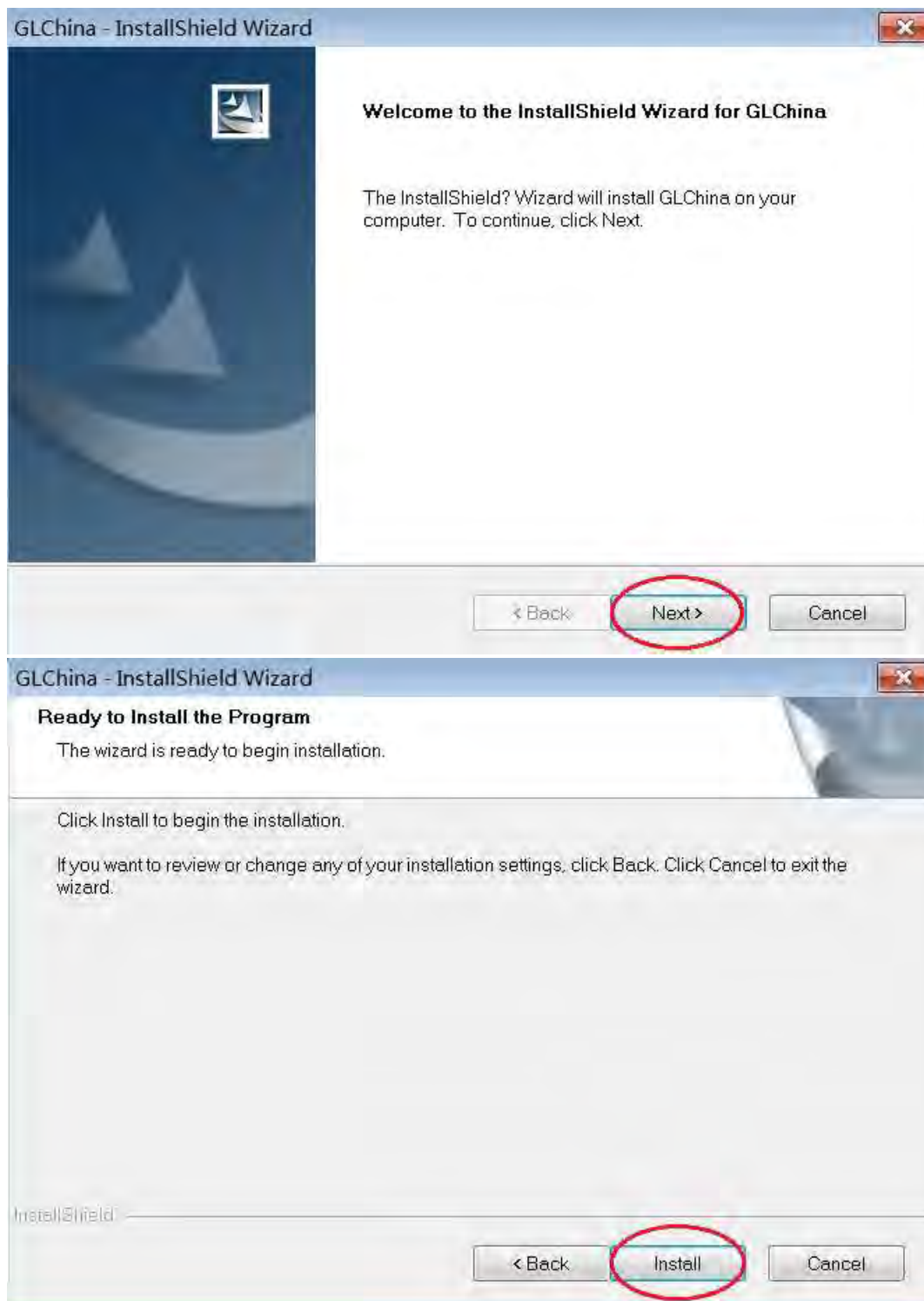
Si vous n'arrivez pas à trouver le périphérique vidéo, ou si votre ordinateur ne peut pas le reconnaître, suivez les étapes ci-dessous pour installer le pilote.

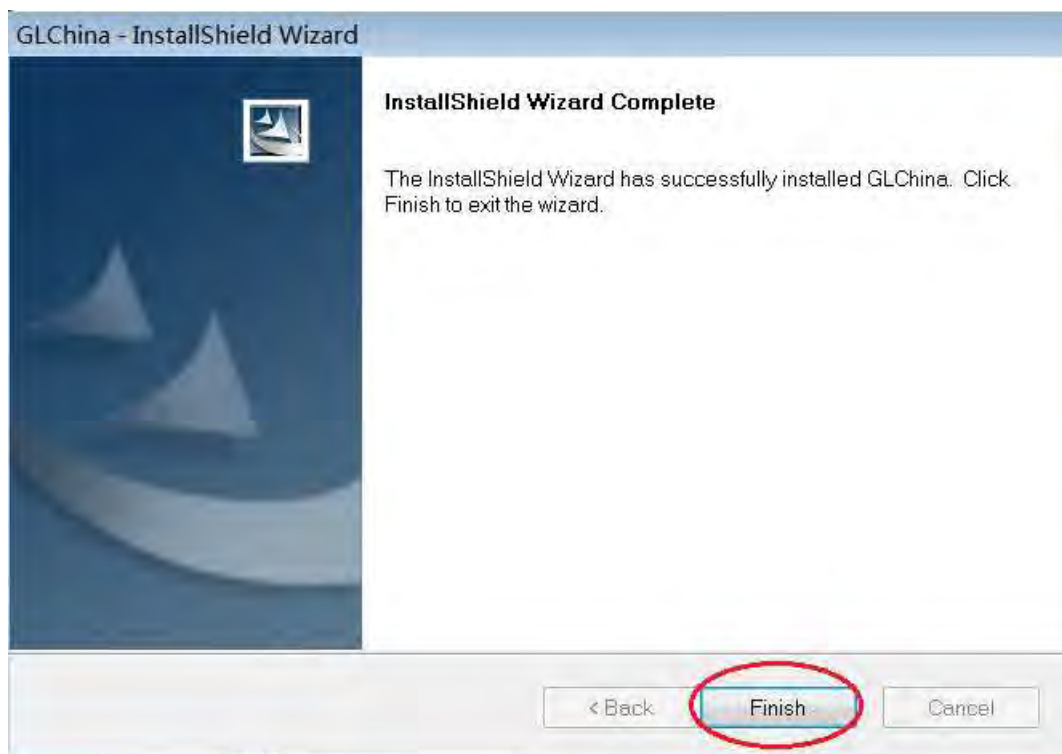
Insérez le CD joint, ouvrez «Poste de travail», et double cliquez sur le «DVD/CD Driver» pour ouvrir le dossier.

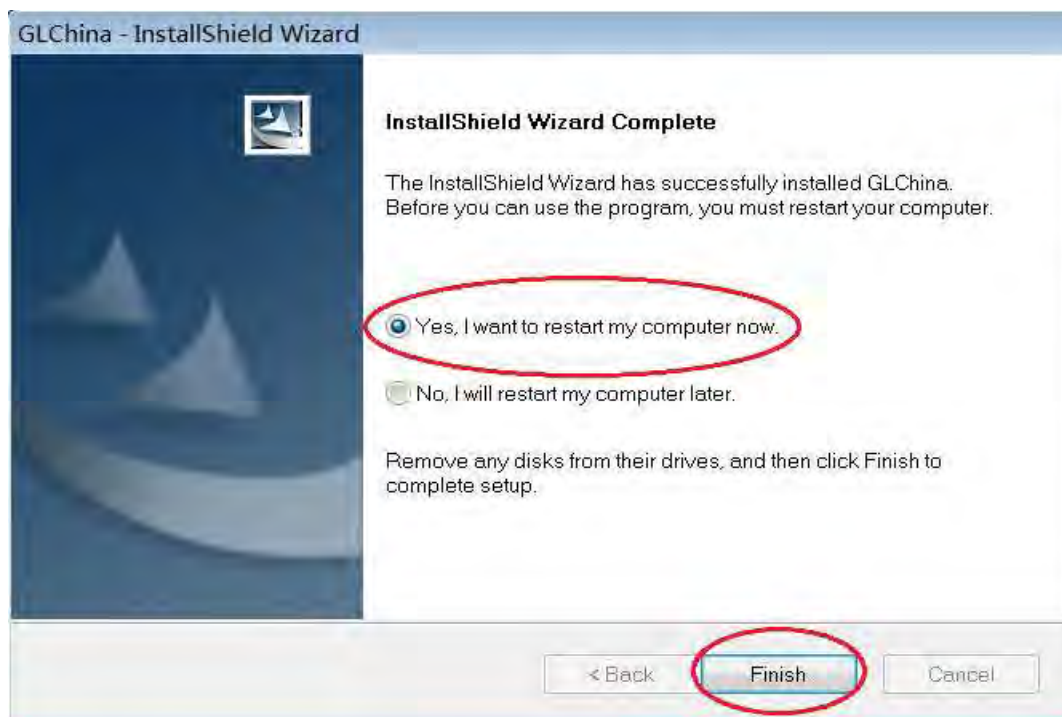
Installation du pilote

Sélectionnez le pilote et l'installer, puis redémarrez l'ordinateur





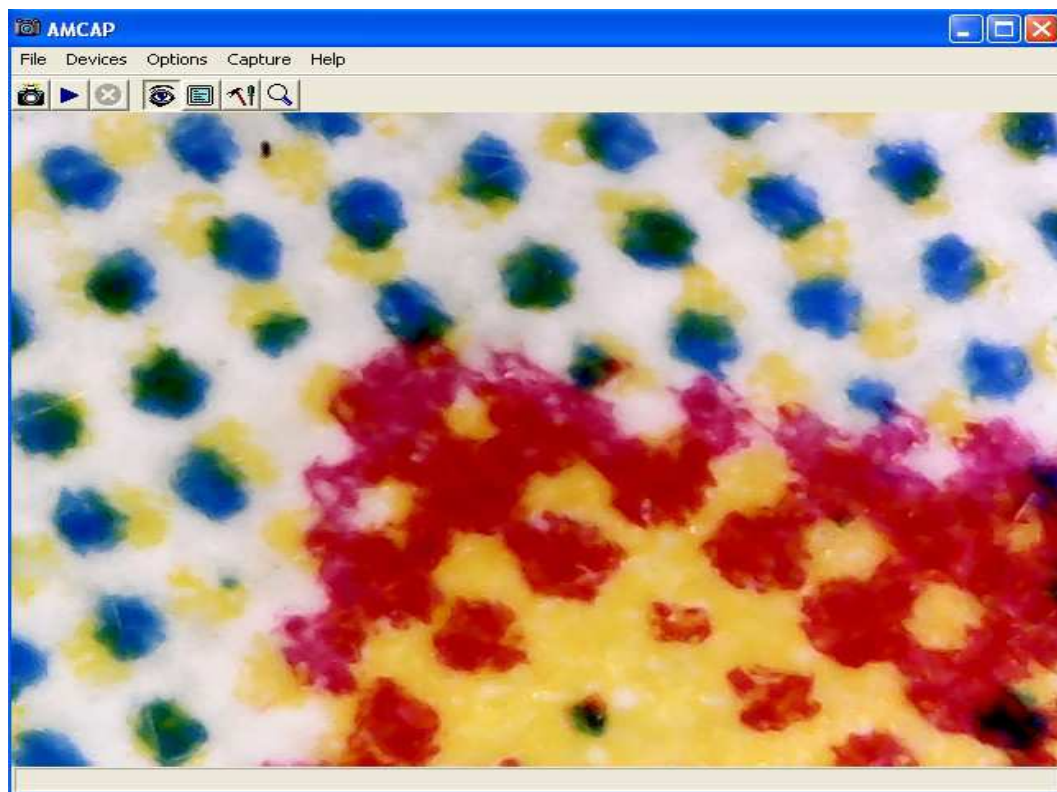




Redémarrez l'ordinateur après l'installation du pilote;

L'installation peut être bloquée par le logiciel antivirus, configurez le logiciel antivirus de manière à autoriser tous les processus, ou le désactiver avant l'installation. Si l'installation s'est terminée

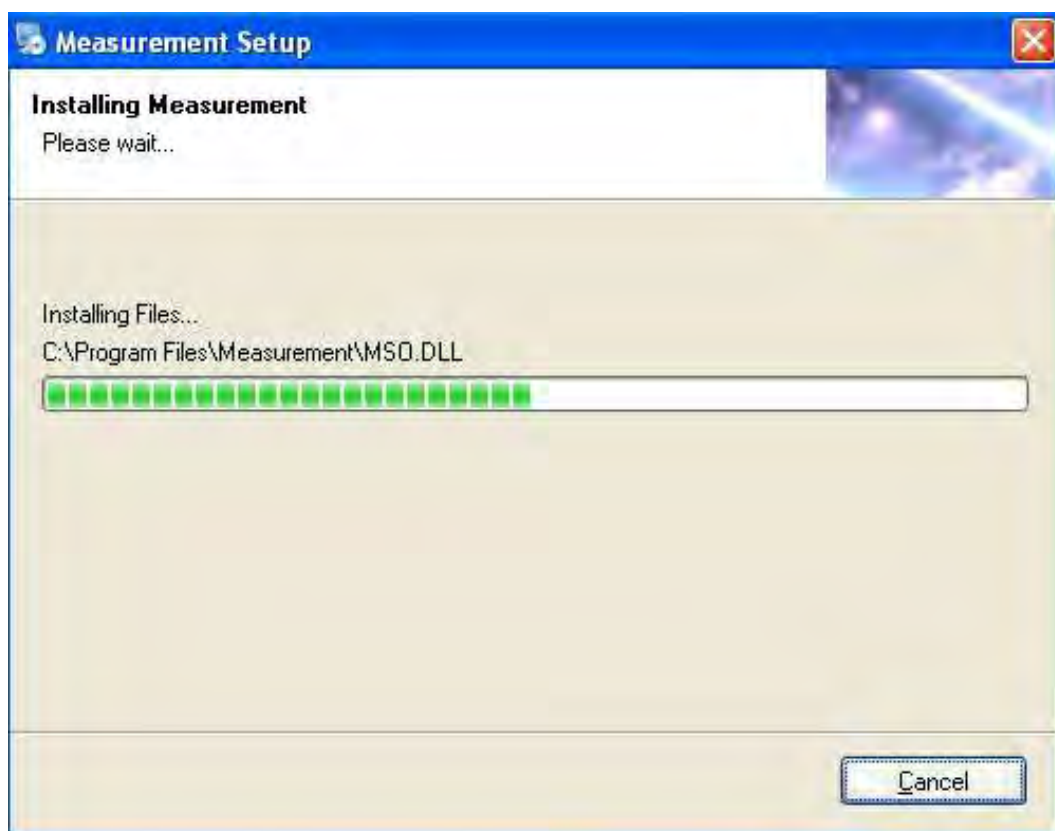
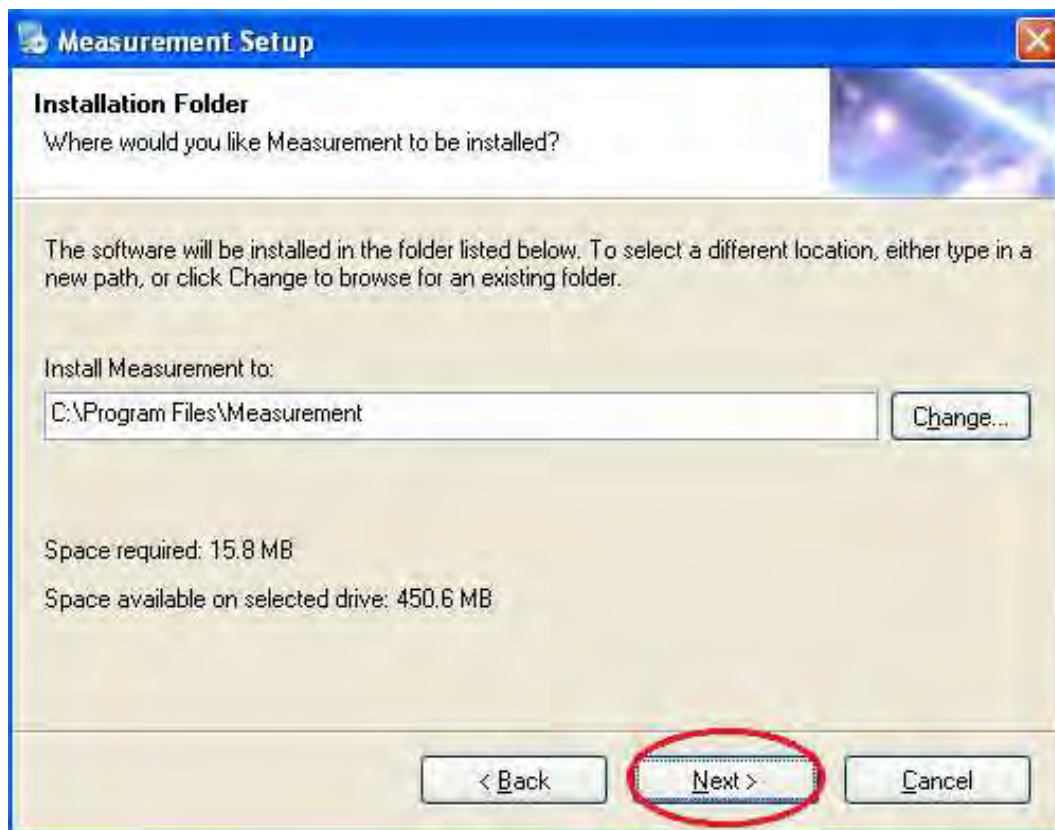
avec succès, vous pouvez voir l'icône  sur la barre d'outils et sur le bureau, double-cliquez dessus pour l'exécuter.

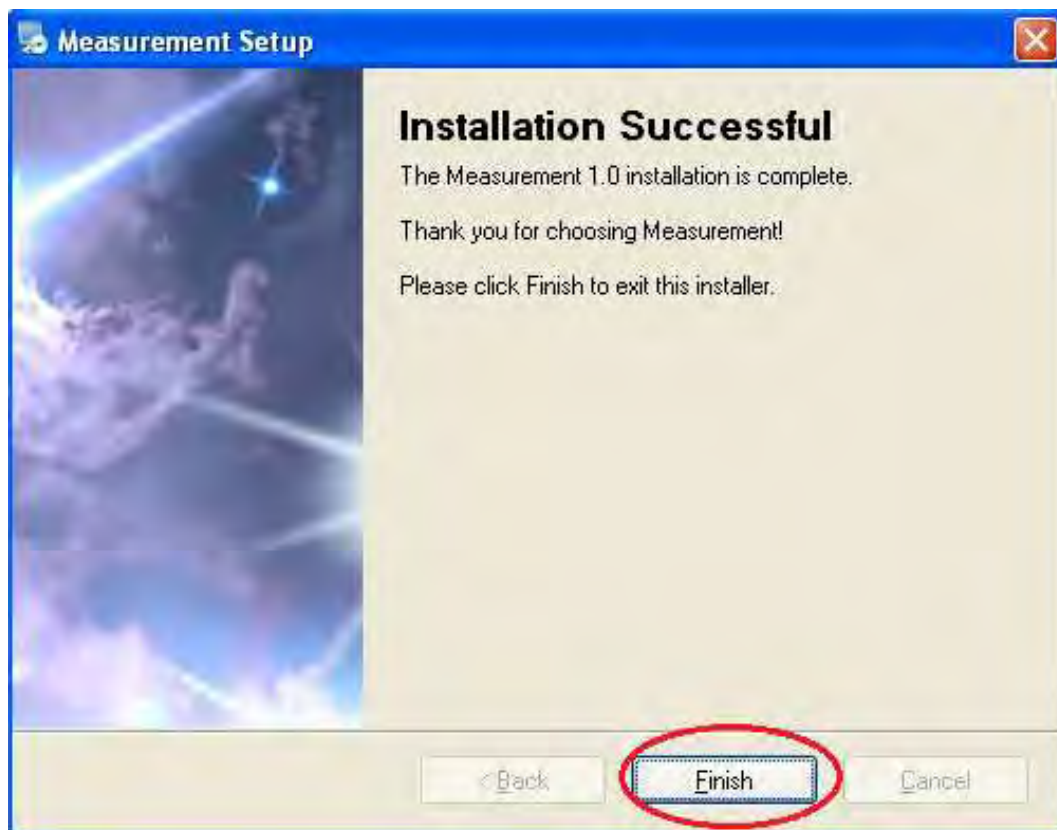


Vous pouvez alors utiliser le microscope. Maintenez appuyée la touche SNAP du microscope pour prendre des photos, et sur la touche ZOOM pour effectuer des zooms numériques.

Installation de Measurement

Sélectionnez Measurement et l'installer

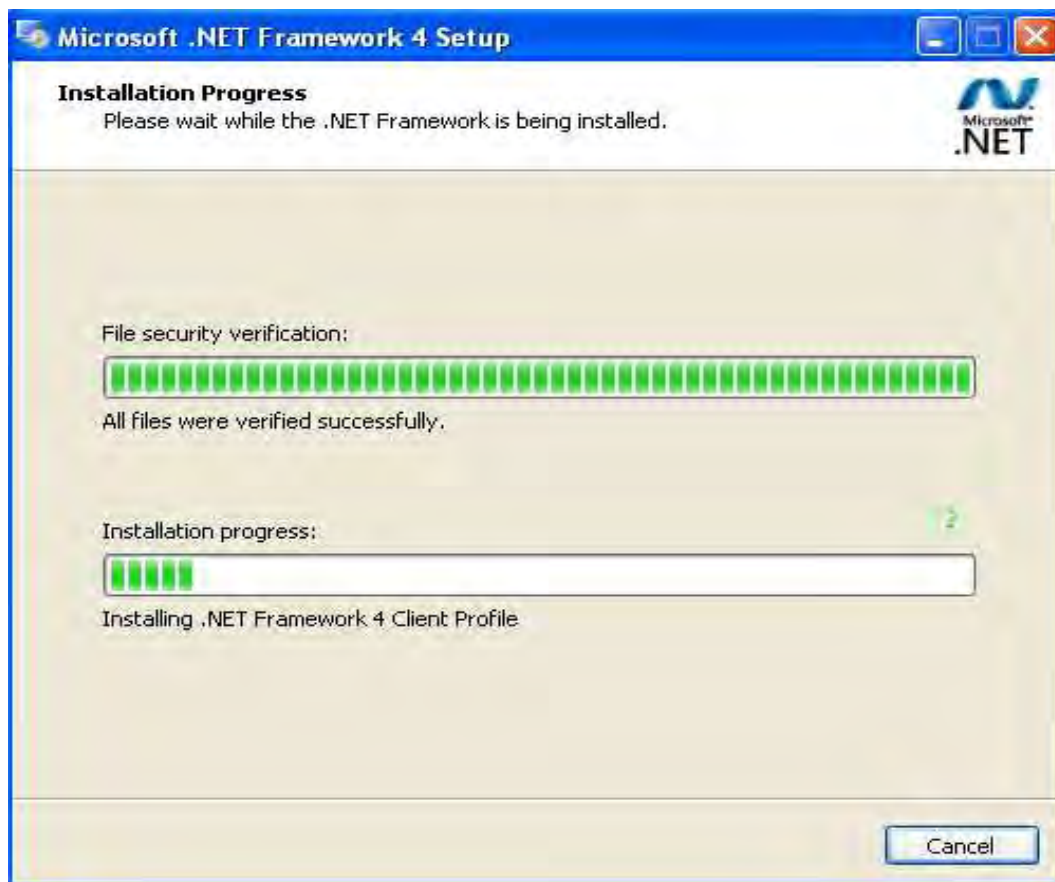


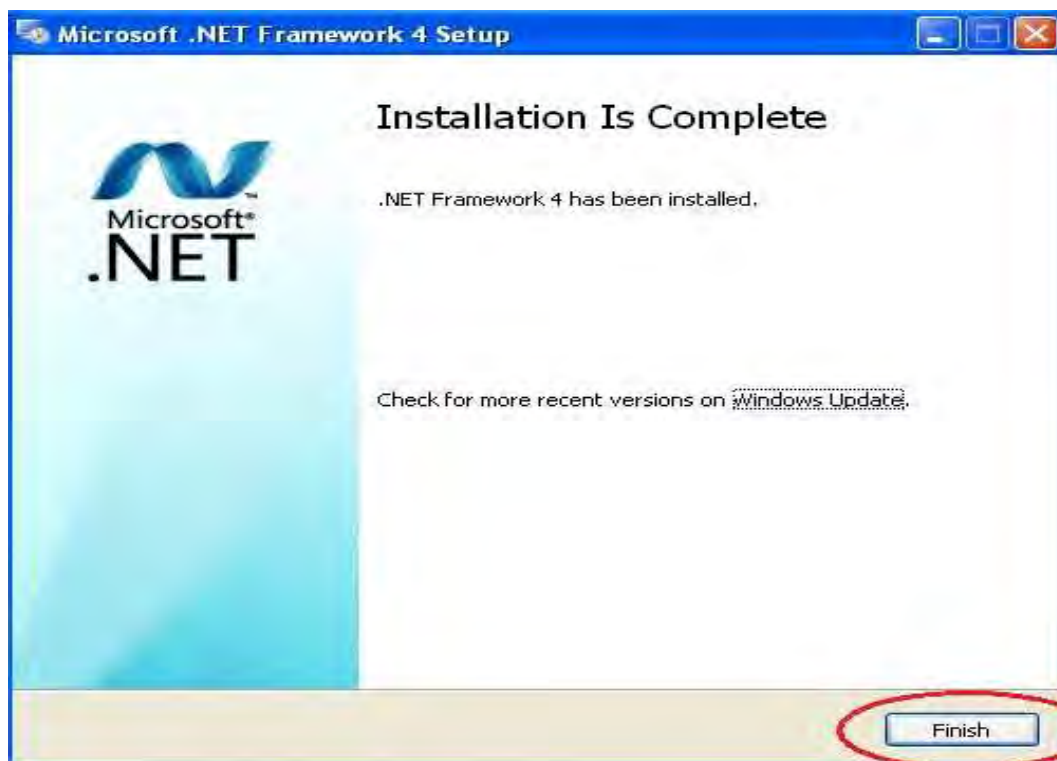


Cliquez sur «Finish» pour terminer l'installation.

Installation de Microsoft .NET Framework

Si le PC est équipé de Windows XP ou une version antérieure, .Net Framework 4.0 est nécessaire. Il faut l'installer.

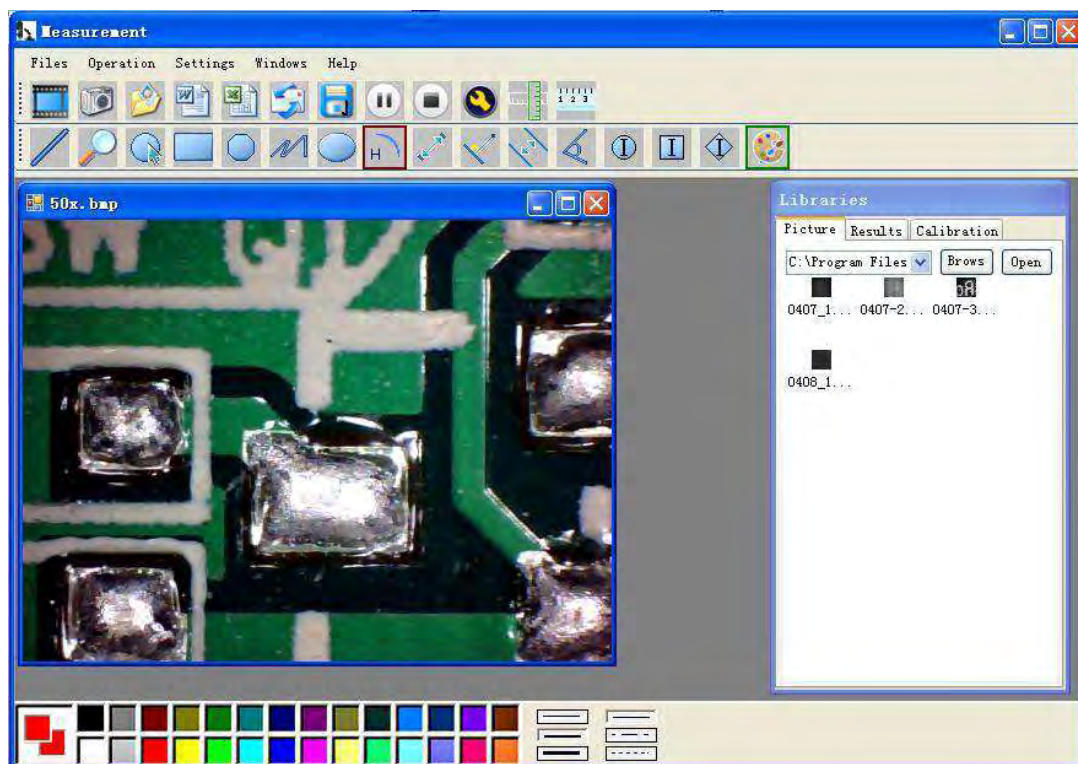




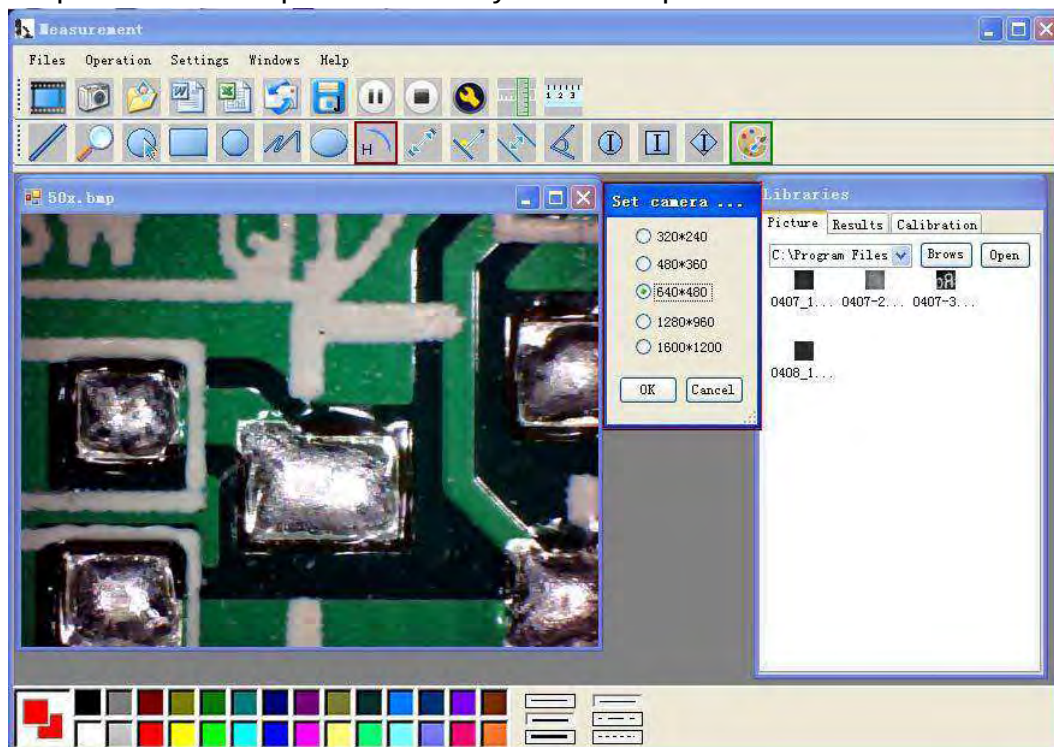
Une fois l'installation terminée, double-cliquez sur l'icône  du bureau de l'ordinateur pour lancer le logiciel.



Branchez l'appareil, une fenêtre d'affichage apparaît

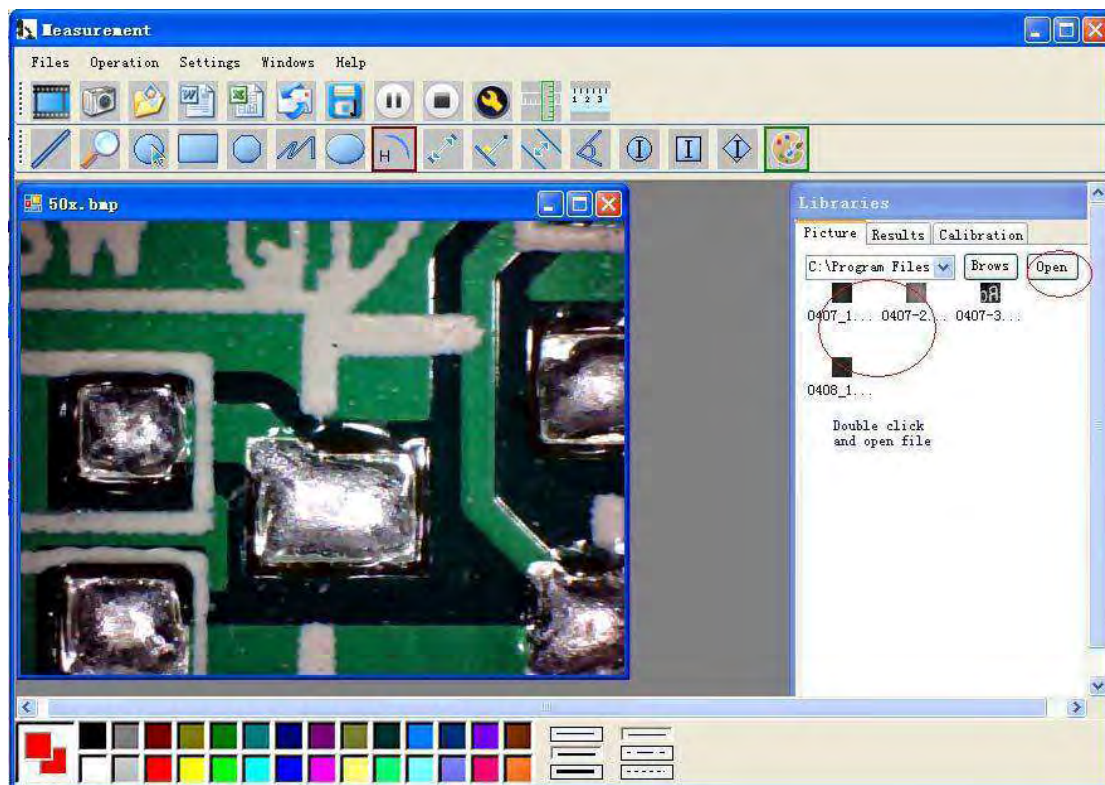


Cliquez sur pour ouvrir le système d'exploitation

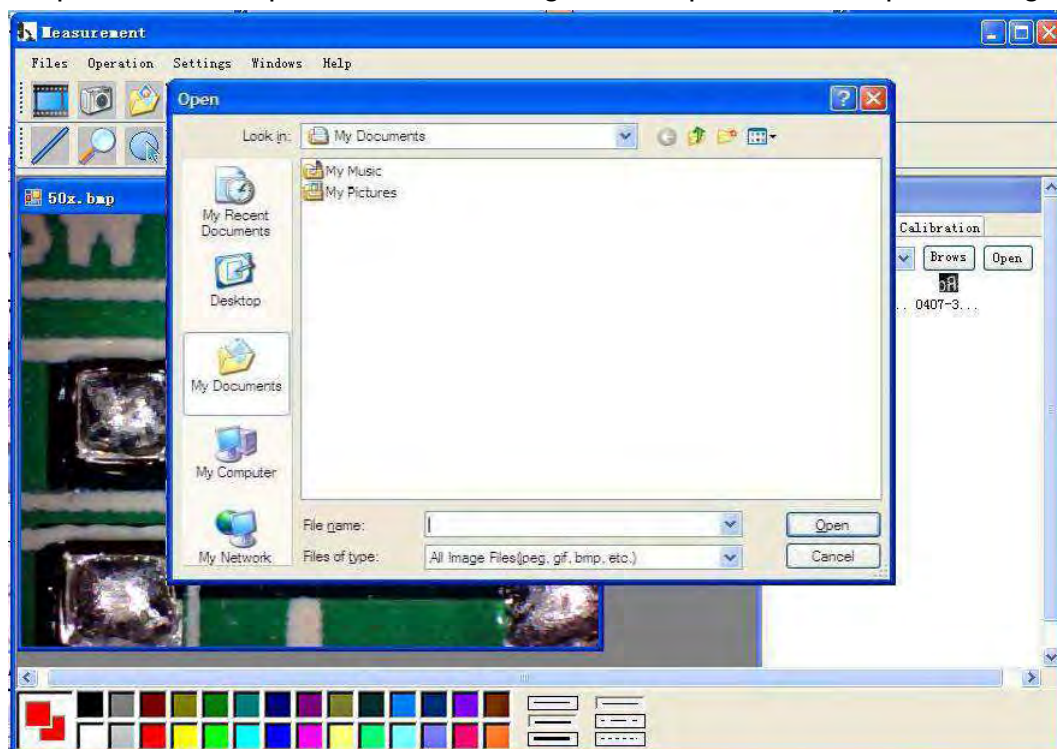


Choisissez une résolution d'image de 320*240 à 1600*1200, résolution VGA par défaut de 640*480

Cliquez sur  pour utiliser la fonction de mesure.



Cliquez sur  pour ouvrir des images, et cliquez sur  pour enregistrer des images

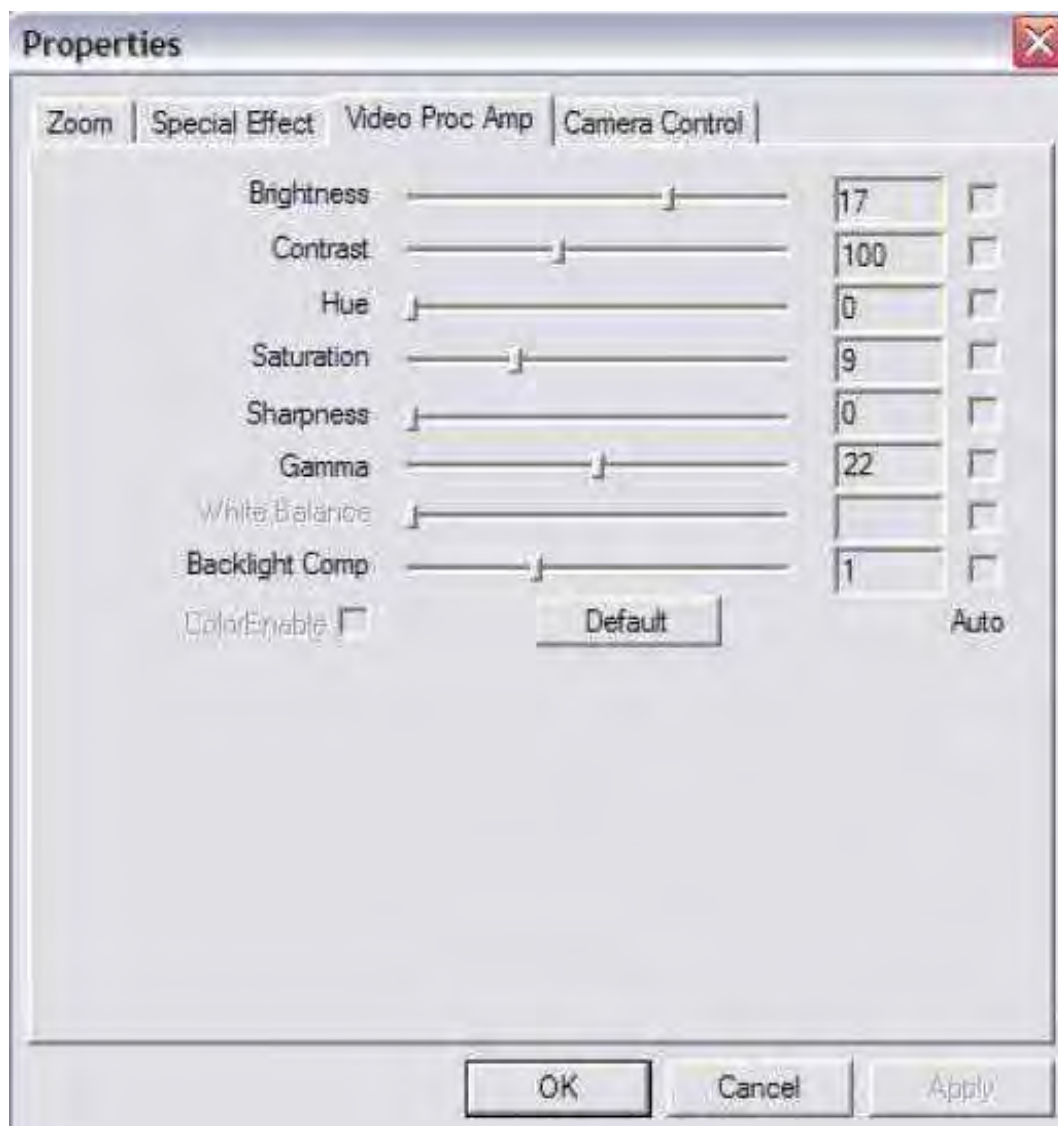




Lecture/Pause/Stop vidéo



Les paramètres d'image comprennent la définition de l'image et les effets spéciaux

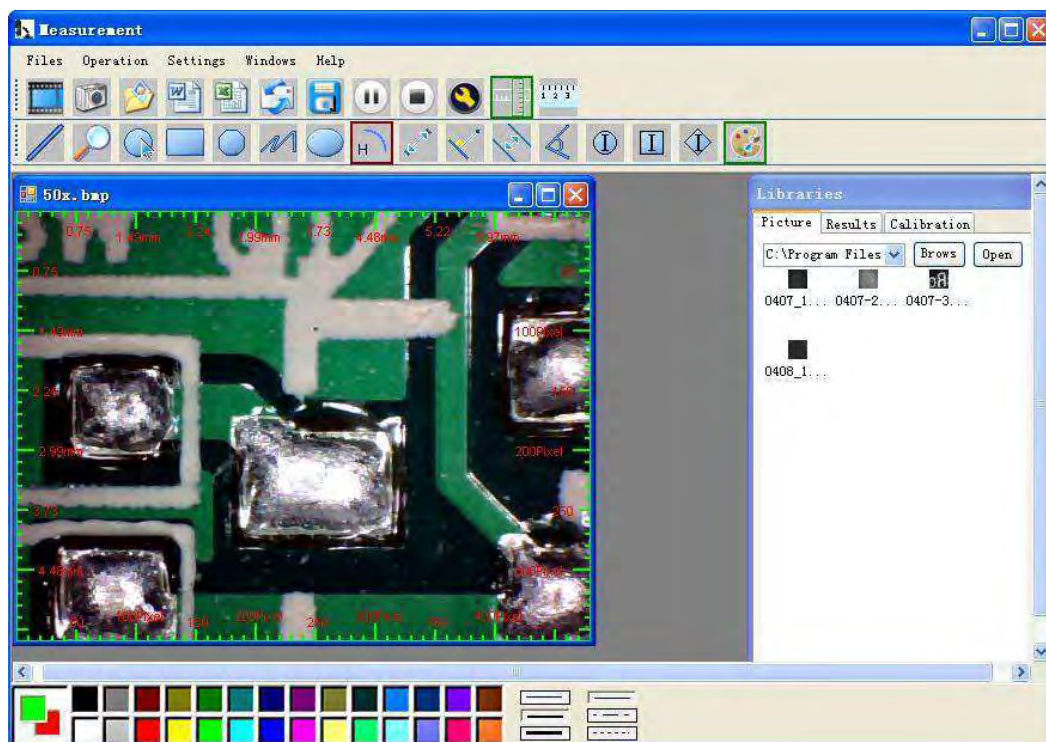


Loupe

Cliquez sur

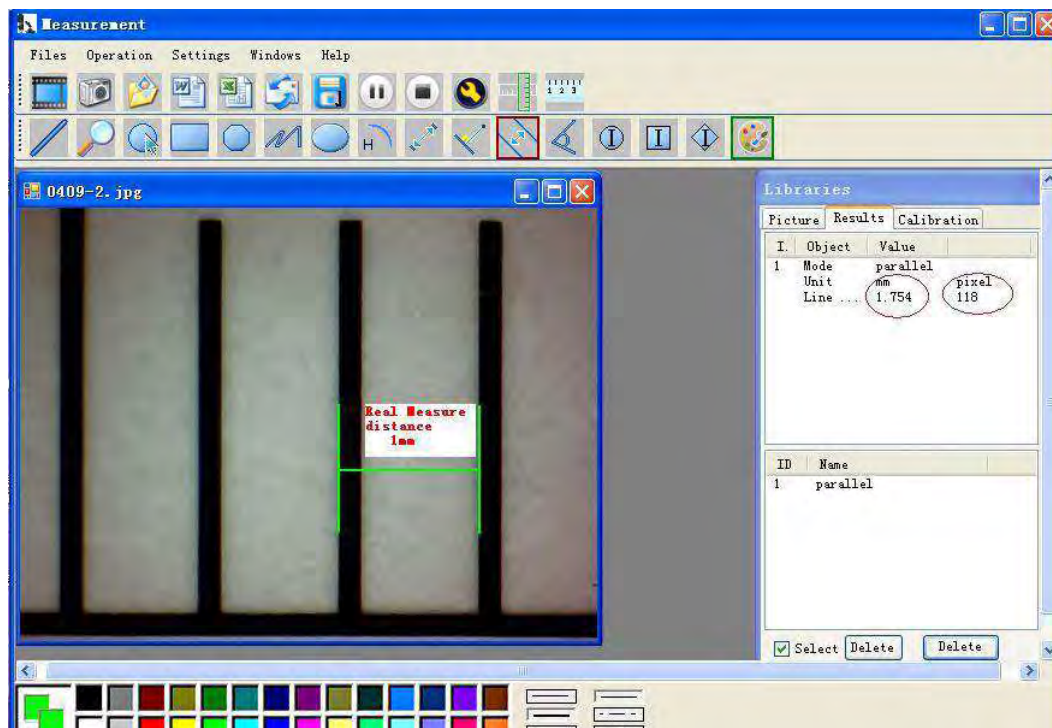


la règle, comme suit

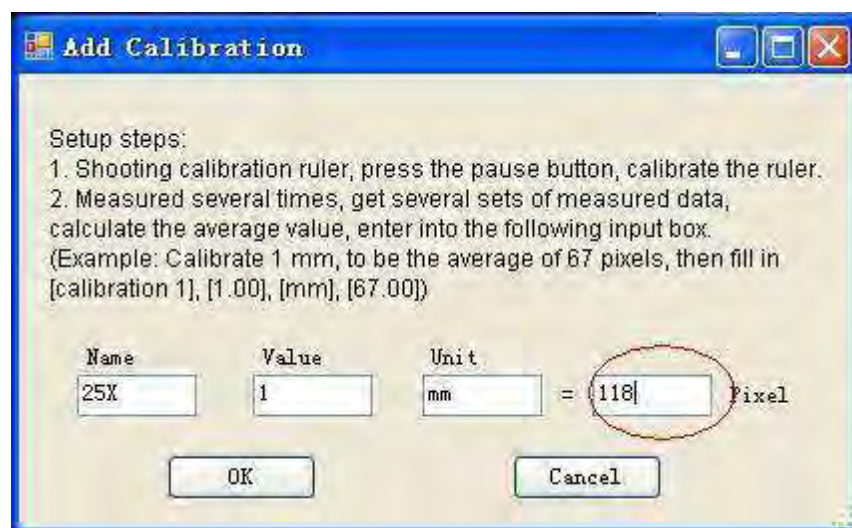


Cliquez sur  pour lancer le calibrage et obtenir plus de précision.

D'après notre expérience la précision des measurement peut être à 99%. La tolérance des mesures est surtout due à la distorsion de l'œil humain et à la non focalisation. Plus on fait de pratique plus les mesures deviennent précises.



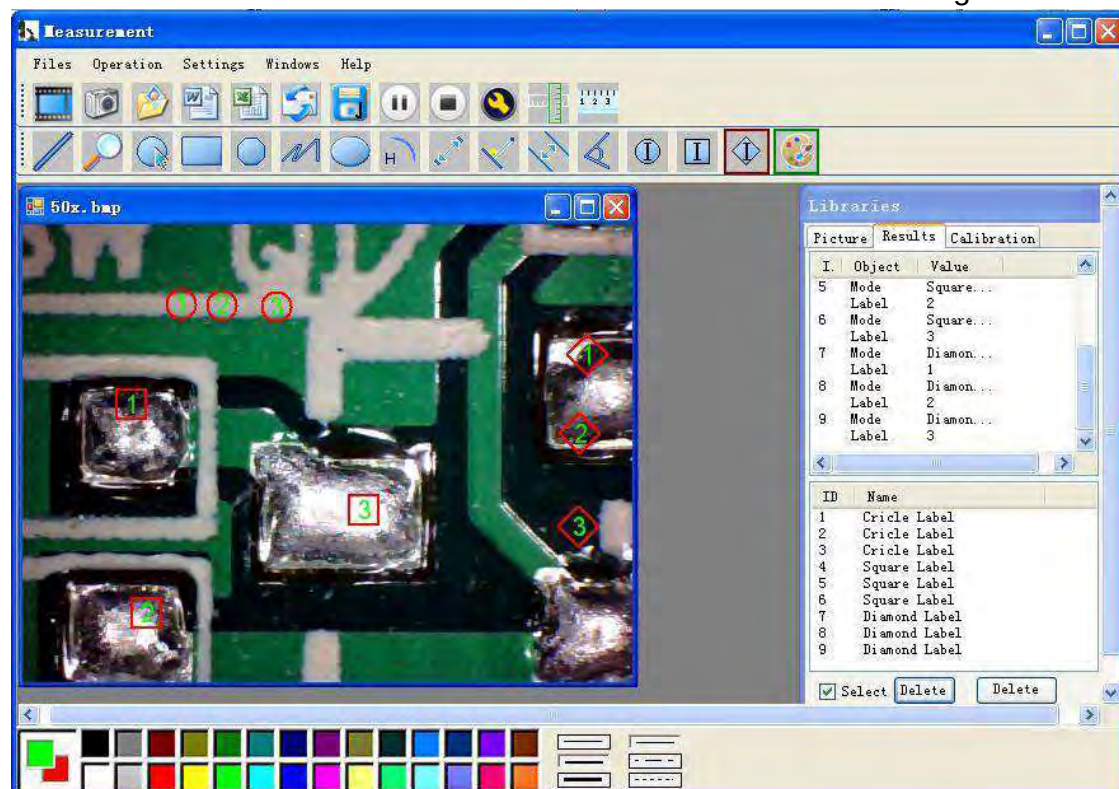
Entrez les données de mesure (en Pixel), l'unité, puis cliquez sur «OK»



Avertissement : Il faut refaire le calibrage une fois le facteur de grossissement changé.



Choix des couleurs des caractères d'affichage



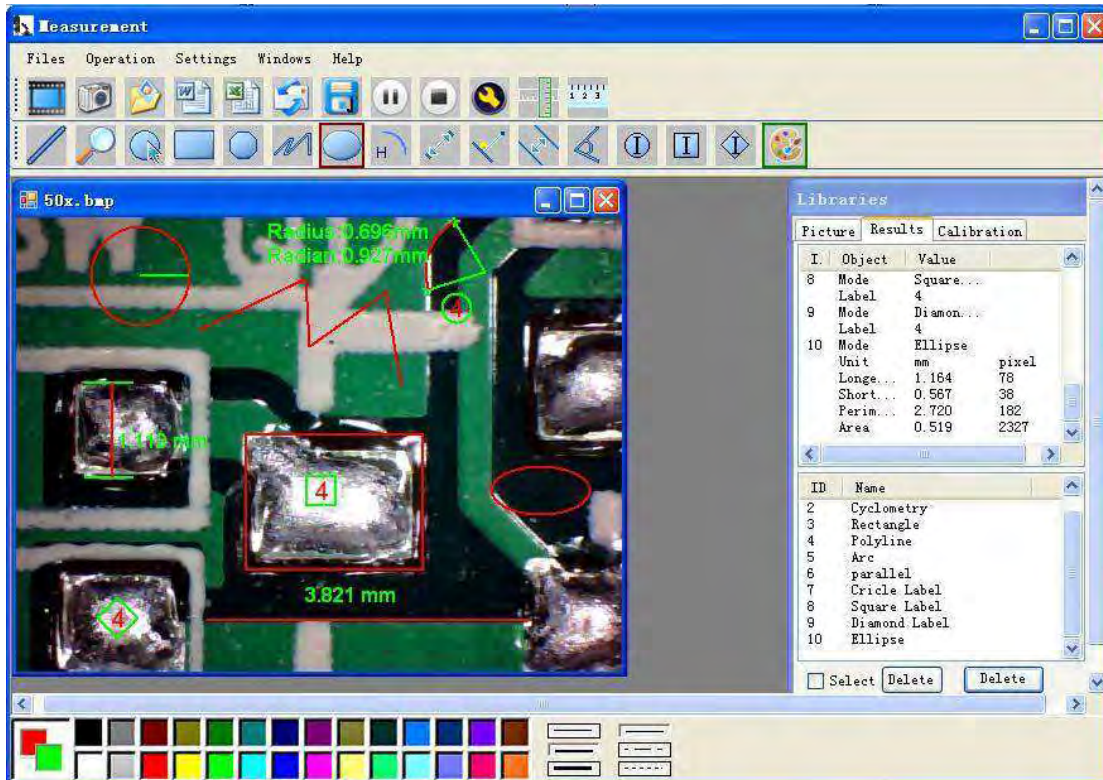
Cliquez sur pour exporter en format Word ou Excel.

Exemple : Données de mesure sous fichier Word



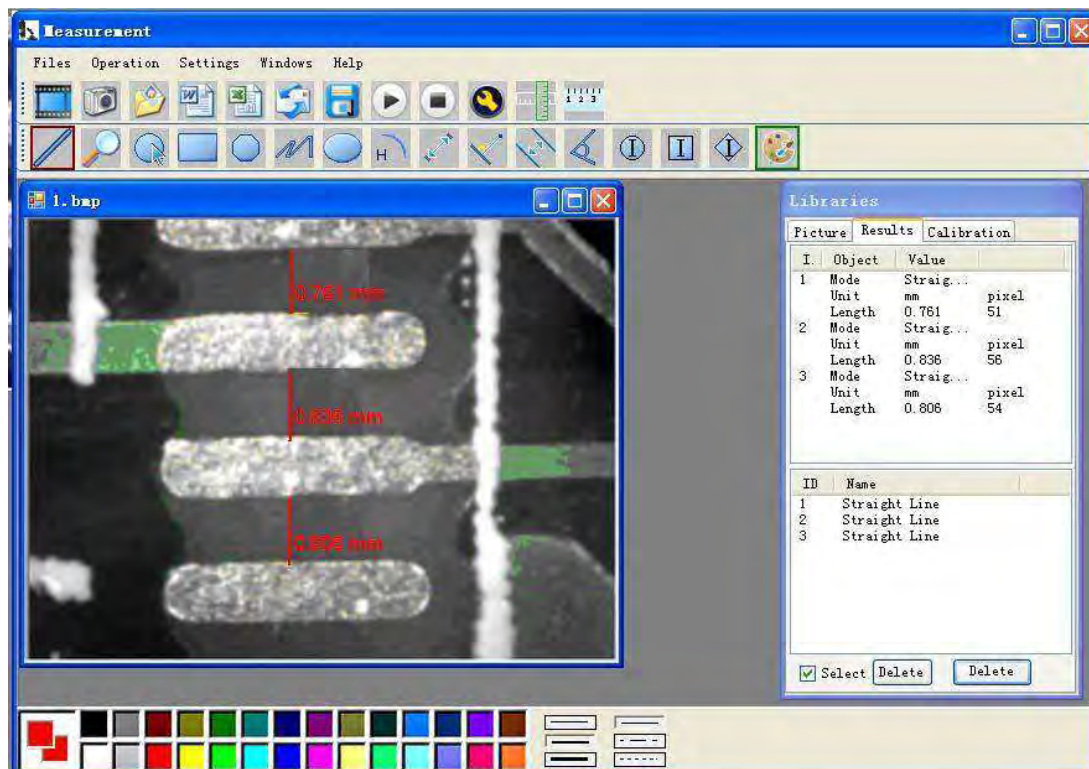
De gauche à droite :

Droite, cercle, carré, polygone, ligne, ovale, arc, distance point à point, distance point à ligne, ligne parallèle, angle



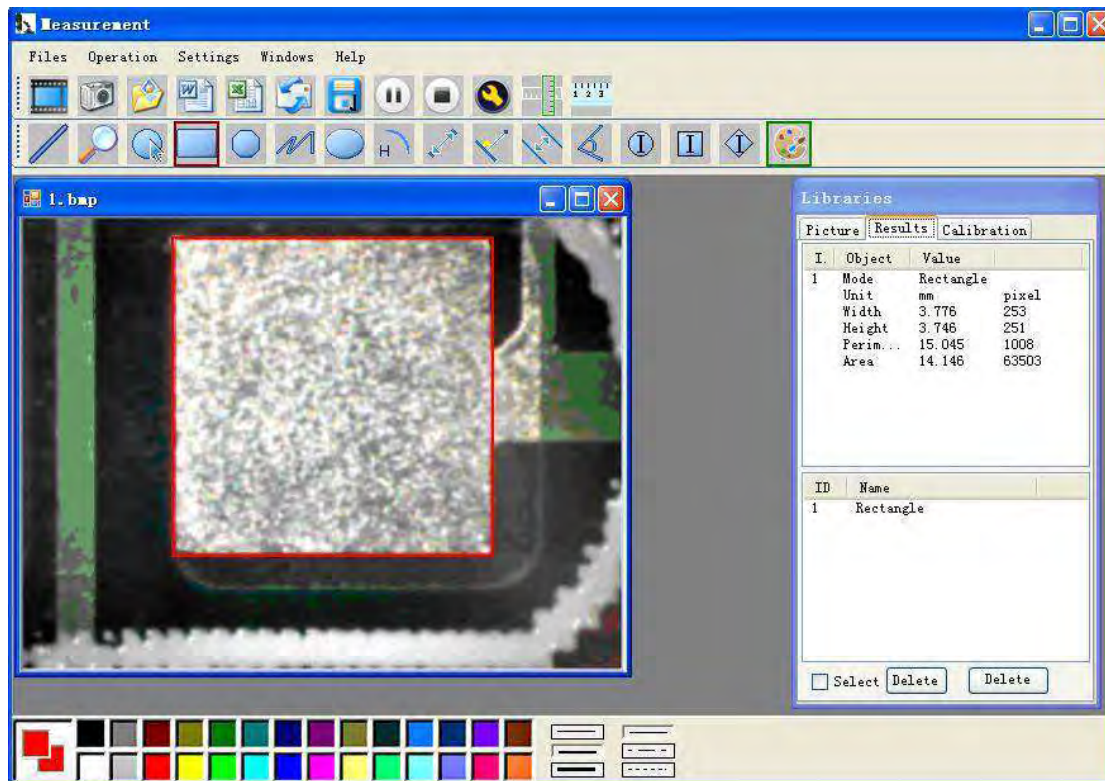
Exemple 1

Mesure de ligne :



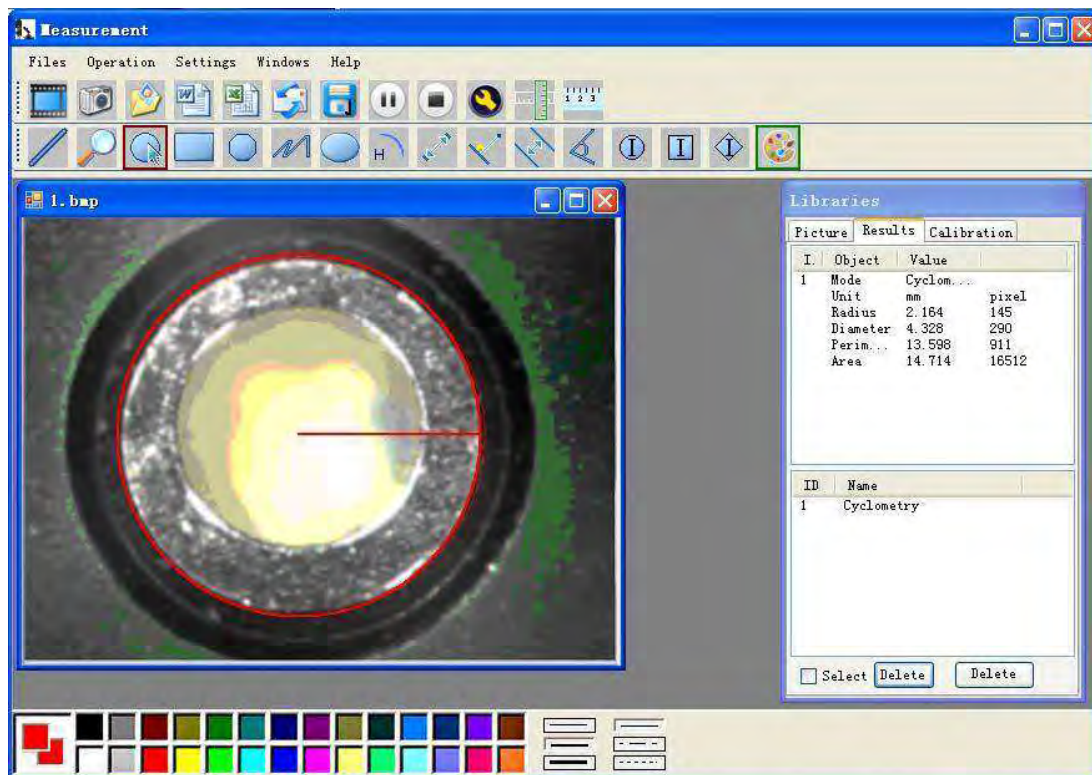
Exemple 2

Mesure de rectangle :



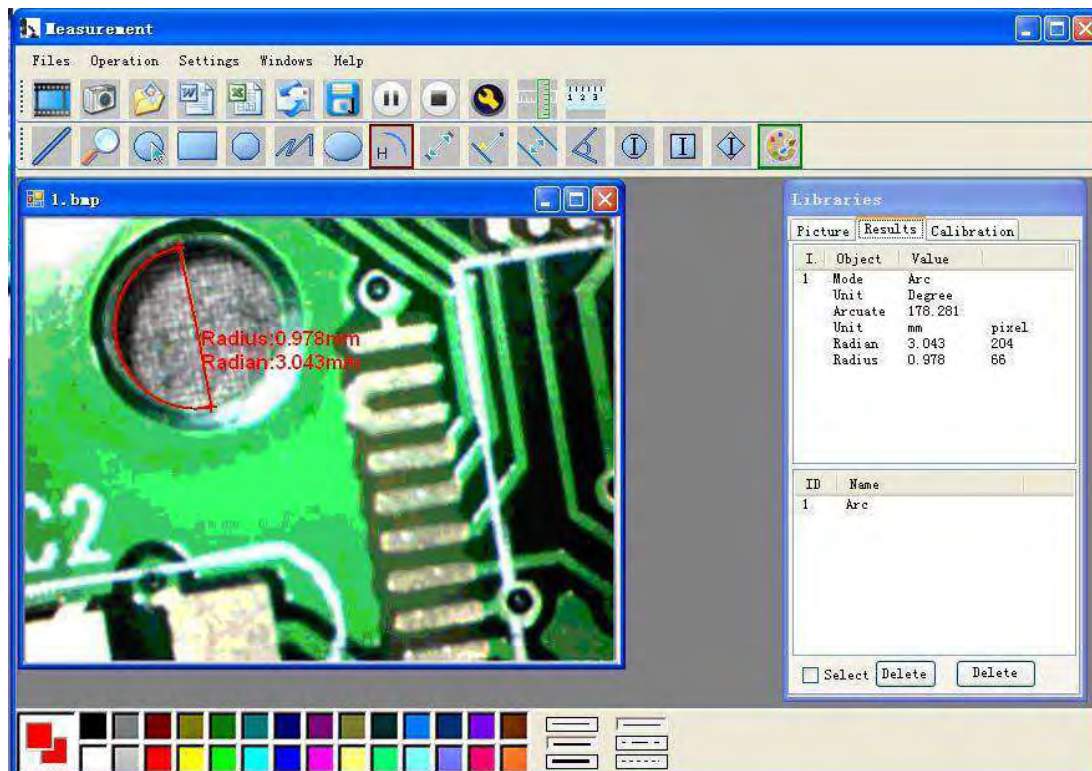
Exemple 3

Mesure de cercle :



Exemple 4

Mesure d'arc :



Ce symbole, marqué sur le produit ou dans le guide d'instructions, indique que vous ne devez pas vous débarrasser de votre appareil électrique ou électronique avec vos autres ordures ménagères.

Dans l'Union Européenne, il y a des systèmes de collecte séparée pour le recyclage.

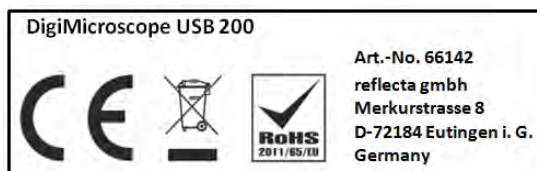
Pour plus d'informations, prenez contact avec les autorités locales compétentes ou avec le revendeur de votre appareil.



reflecta DigiMicroscope USB 200

Bedienungsanleitung

www.reflecta.de



Bestandteile des DigiMicroscope USB 200

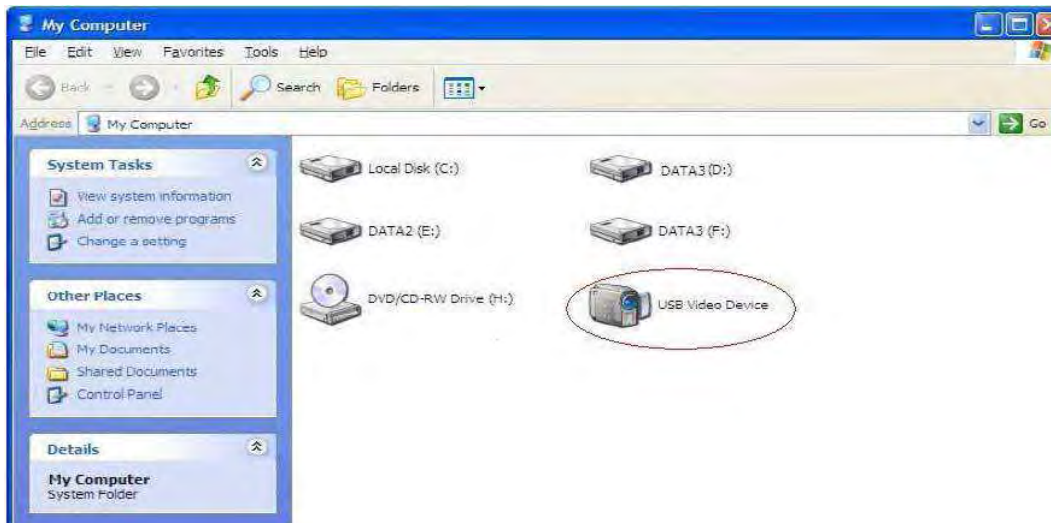


Hinweise vor der Benutzung

1. Nehmen Sie das digitale Mikroskop nicht auseinander und ändern Sie keine internen Teile. Dies kann zu Beschädigungen führen.
2. Reinigen Sie das Mikroskop nicht mit Alkohol oder organischen Lösungsmitteln
3. Berühren Sie das Objektiv nicht mit den Fingern.
4. Vermeiden Sie nach Möglichkeit die Verwendung im Freien.
5. Aufbewahrungstemperatur, 0 °C - 40 °C, Luftfeuchtigkeit: 45% - 85% rel. Luftfeuchtigkeit.
6. Sollte das Produkt nass werden, trennen Sie sofort die Verbindung zum PC. Das Produkt nicht zerlegen oder mit einem Föhn trocknen. Senden Sie das Produkt zum Reparaturzentrum, wenn das digitale Mikroskop durch Feuchtigkeit oder andere Elemente beschädigt wurde.
7. „Measurement“ nur zu Referenzzwecken.

Lieferumfang

- Digitales Mikroskop mit USB-Schnittstelle
- Fuß
- Software-CD
- Kurzanleitung
- Kalibrierungslineal



Hardware Systemanforderungen

Windows XP, VISTA, WIN7, WIN8, WIN10 Pentium 1G, Celeron, AMD 1G & höher, 128MB Speicher, 150MB Festplattenspeicher, 16-Bit & höher VGA, CD-ROM, USB2.0 oder USB1.1.

Treiberinstallation

Das DigiMicroscope USB 200 ist ein Produkt, das keinen Treiber benötigt. Es kann sofort betrieben werden, nachdem es an einen Computer mit einem Betriebssystem ab Windows 2000 angeschlossen wird.

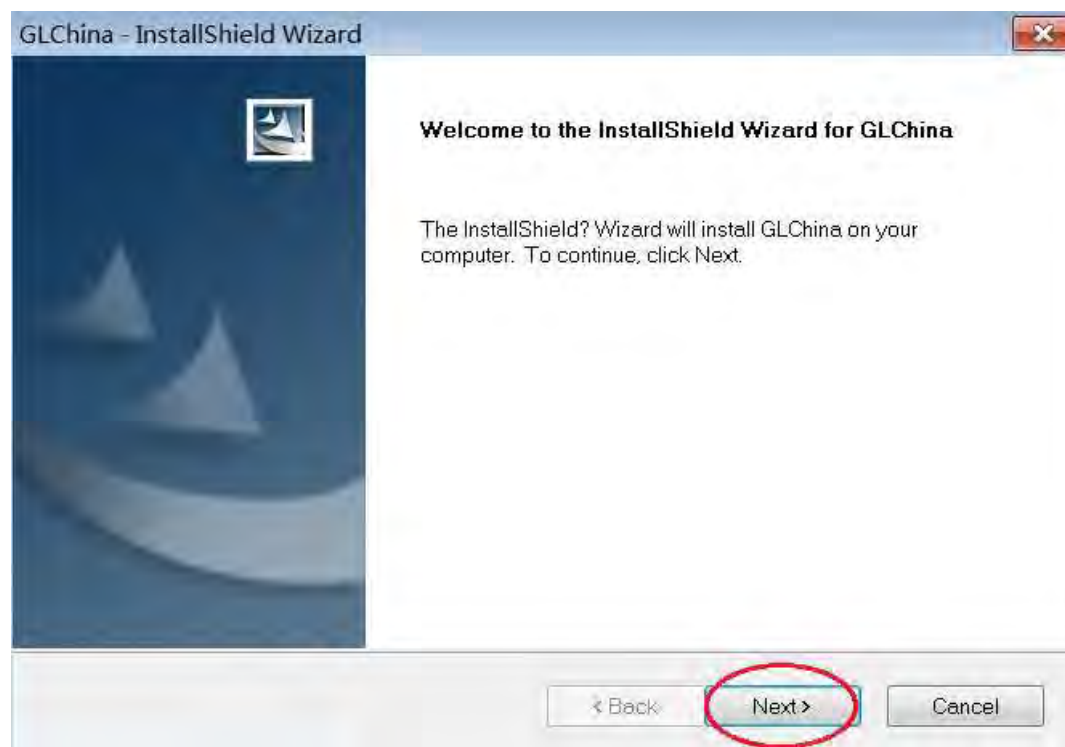
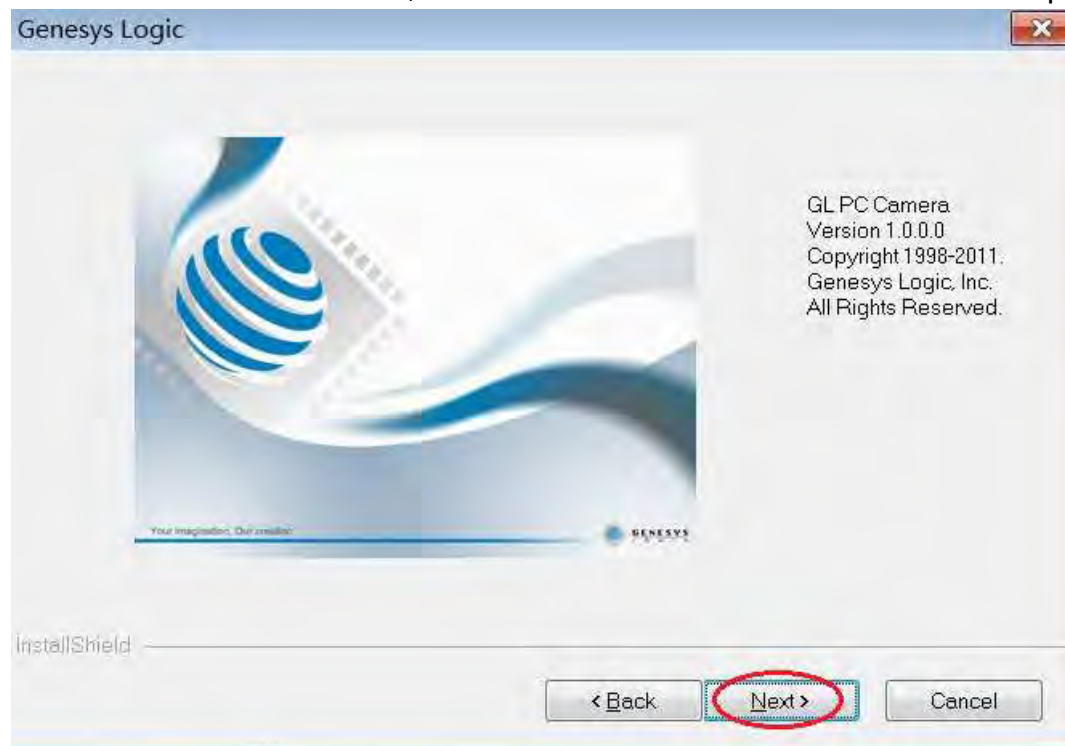
1. Schließen Sie das tragbare digitale Mikroskop mit einem USB 2.0-Kabel an Ihrem Computer an. Führen Sie einen Doppelklick auf das Symbol „Arbeitsplatz“ auf Ihrem Desktop aus und die unten abgebildete Oberfläche wird angezeigt.
2. Führen Sie einen Doppelklick auf das Symbol des Videogerätes (wie oben rot markiert) auf Ihrem Computer aus. Das Gerät kann nun verwendet werden.

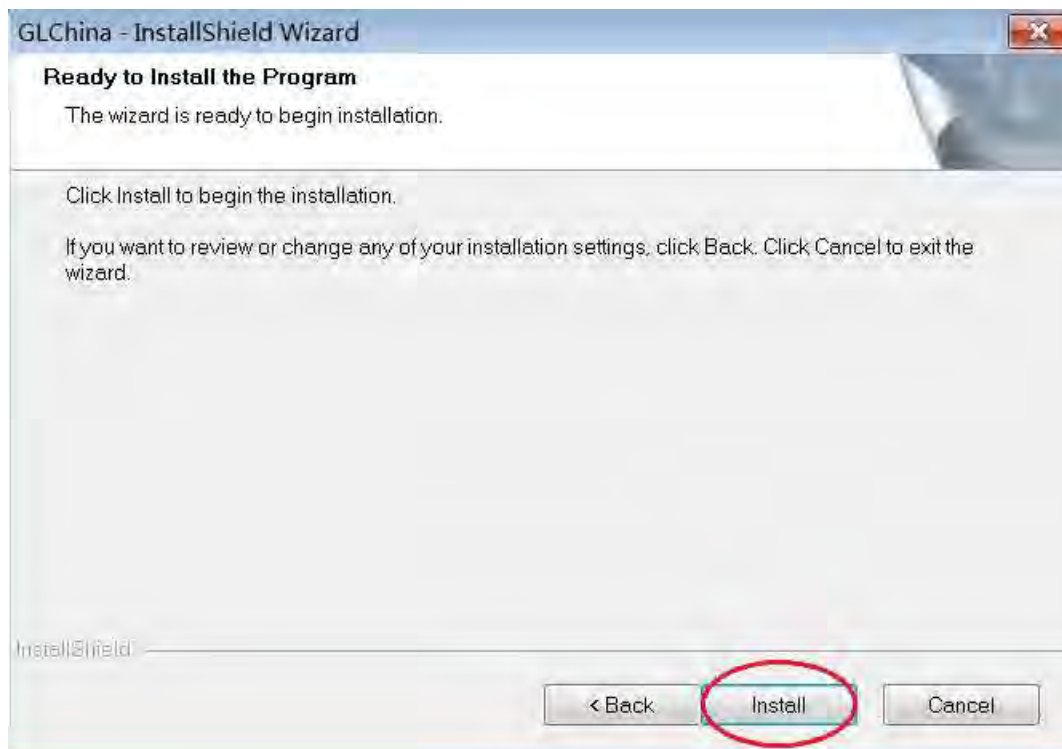
Wenn Sie das Videogerät nicht finden können oder Ihr Computer es nicht erkennt, befolgen Sie bitte die nachfolgenden Schritte zur Installation des Treibers.

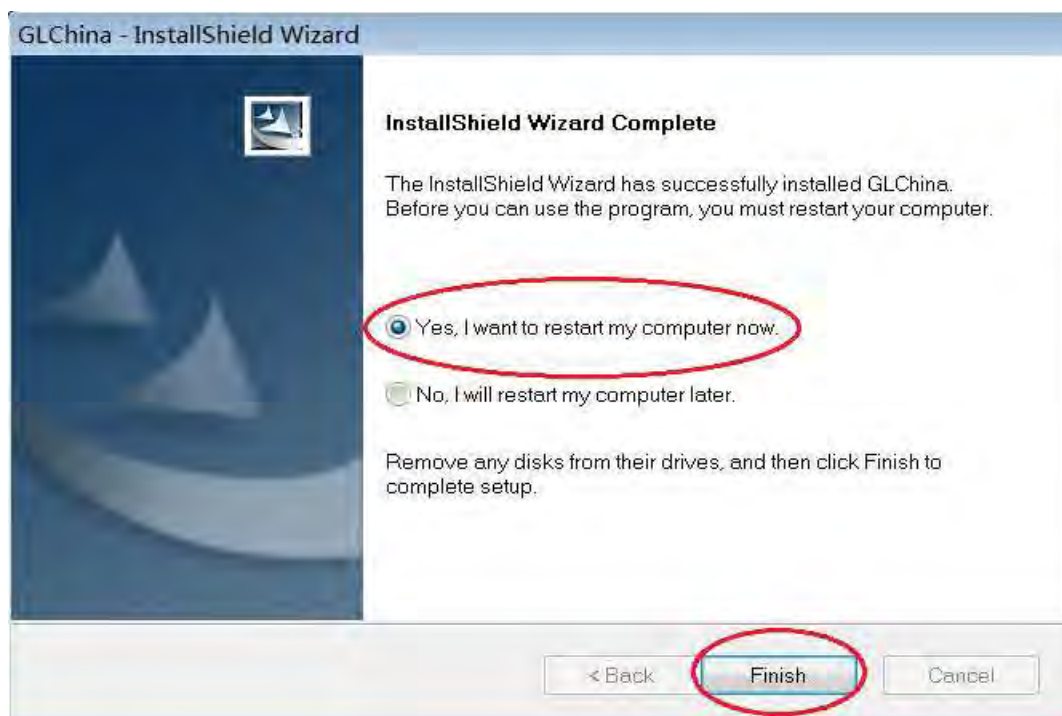
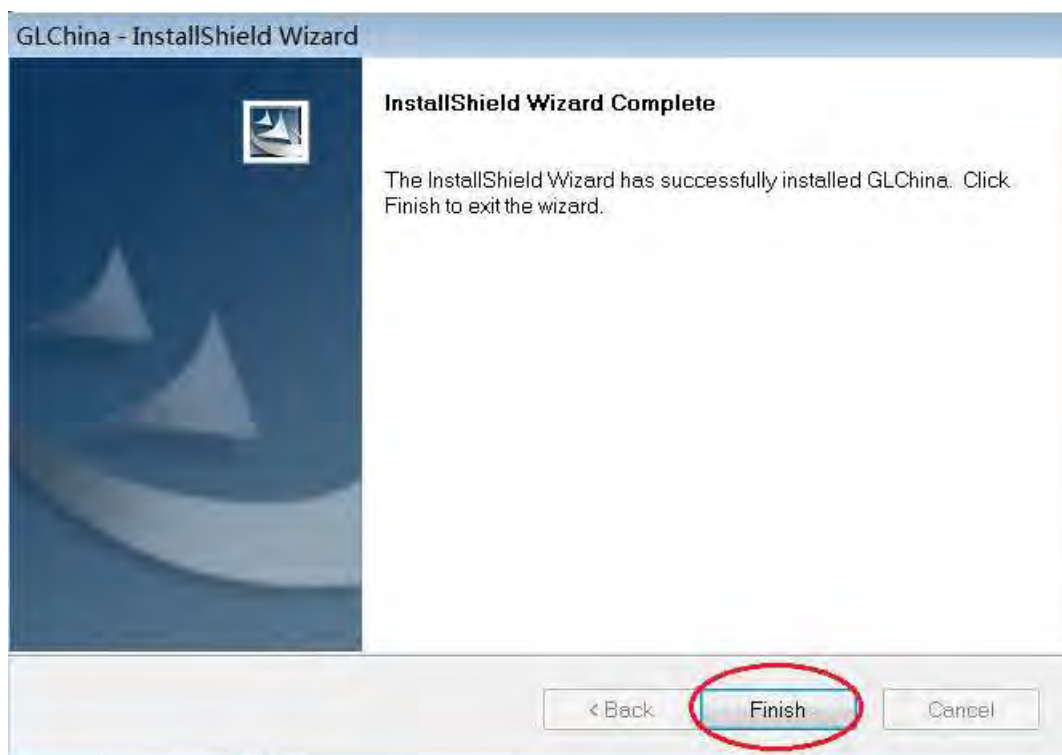
Legen Sie die beigelegte CD in das Laufwerk ein, öffnen Sie „Arbeitsplatz“ und führen einen Doppelklick auf „DVD/CD Driver“ aus, um die CD zu öffnen.

Treiberinstallation

Wählen Sie den Treiber aus, installieren Sie ihn und starten Sie den Computer neu







Starten Sie den Computer sofort nach der Treiberinstallation neu.

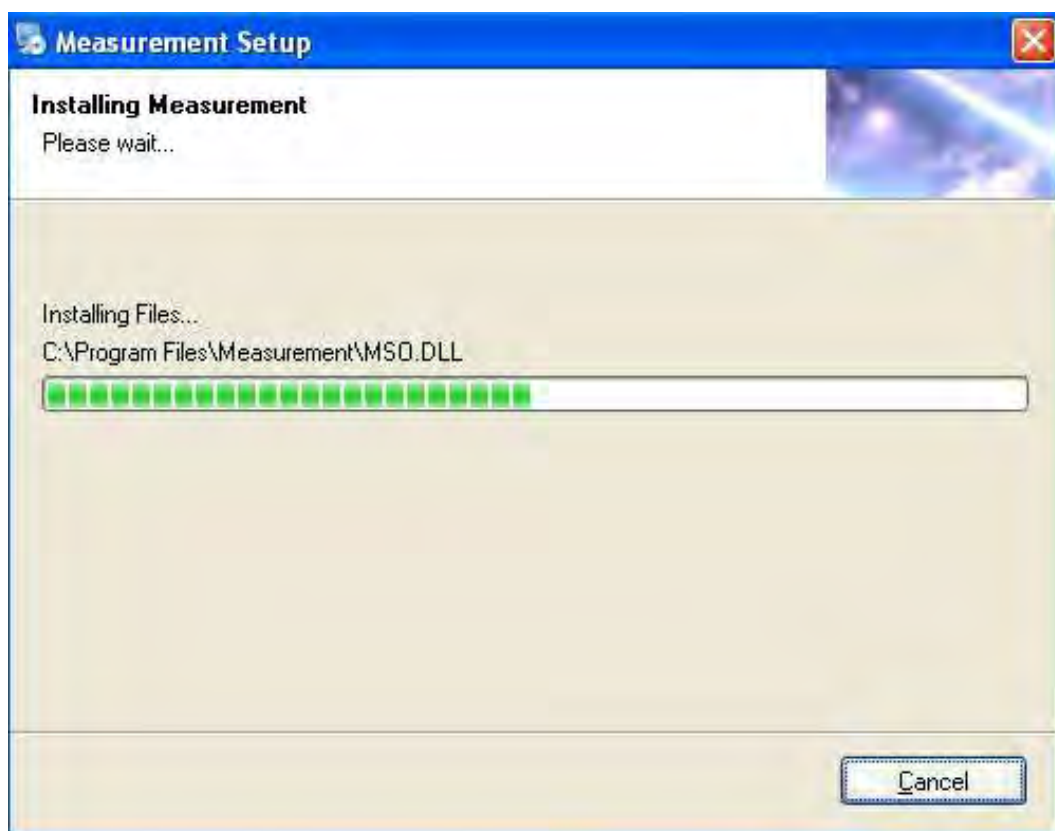
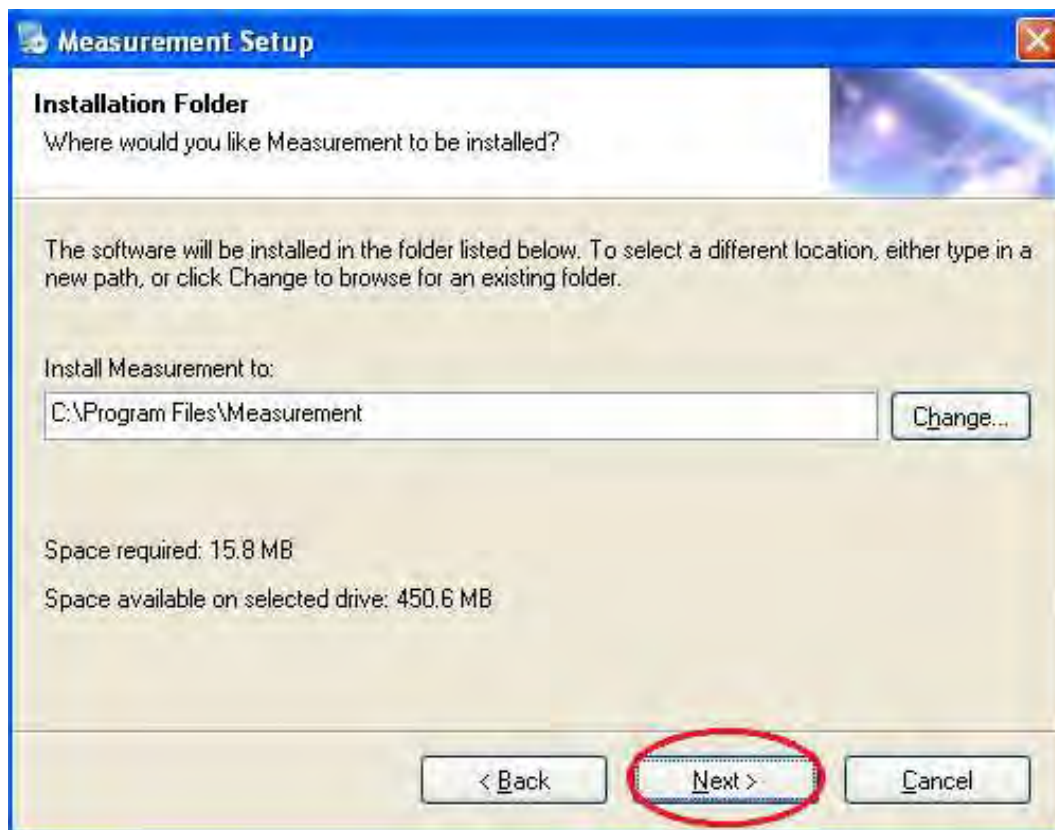
Die Installation kann durch die Antivirensoftware blockiert werden. Die Antivirensoftware muss alle Prozesse erlauben oder Sie müssen die Antivirensoftware schließen, bevor Sie mit der Installation beginnen. Wenn die Installation erfolgreich war, können Sie sowohl das Symbol  in der Werkzeugleiste sehen als auch das Desktop-Softwaresymbol. Führen Sie einen Doppelklick darauf aus, um das Programm auszuführen.

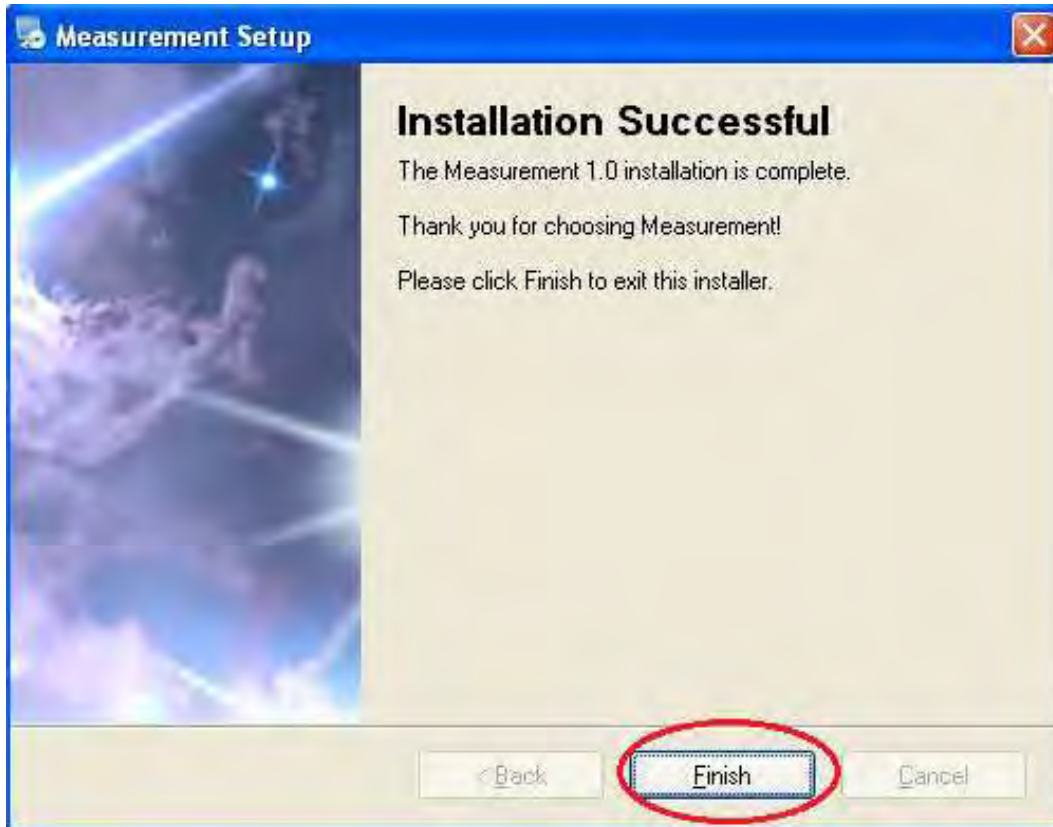


Sie können das DigiMicroscope USB 200 nun verwenden. Ein langer Druck der Taste „SNAP“ an dem Mikroskop zeichnet ein Bild auf, und die Taste „ZOOM“ ermöglicht die digitale Vergrößerungsfunktion.

Installation von „Measurement“

Wählen Sie „Measurement“ und installieren Sie es.

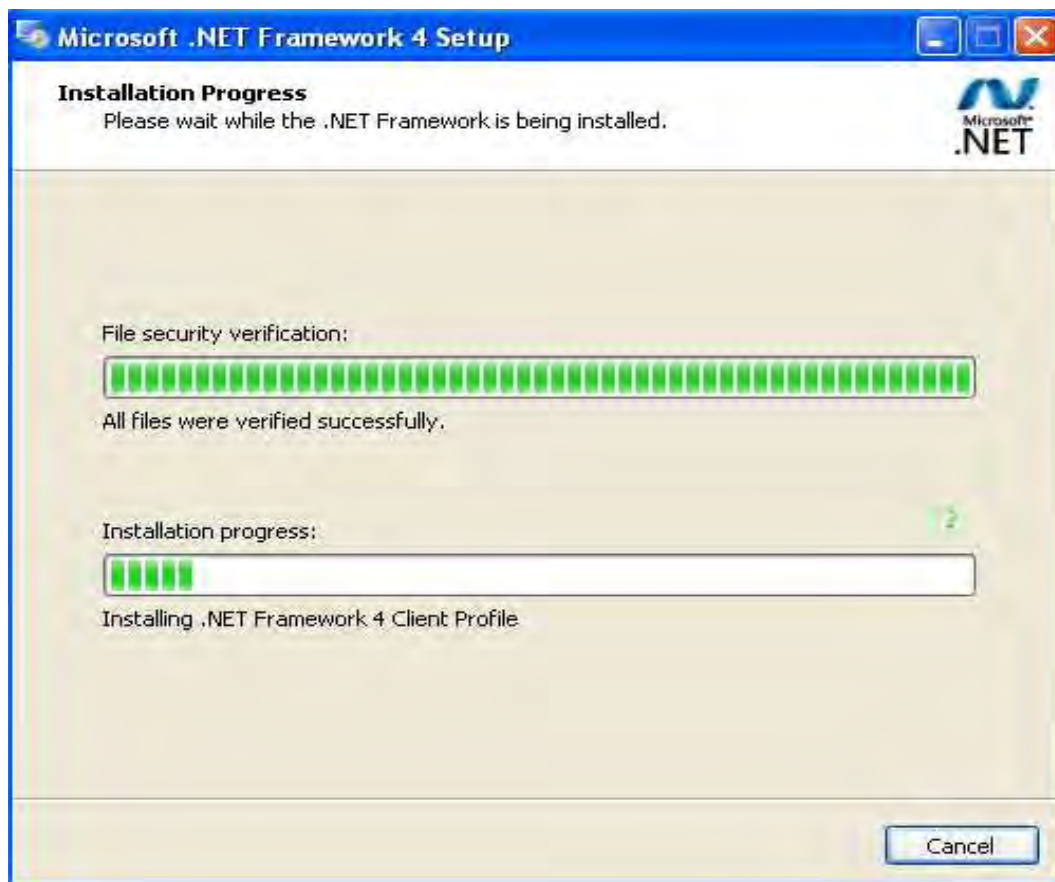


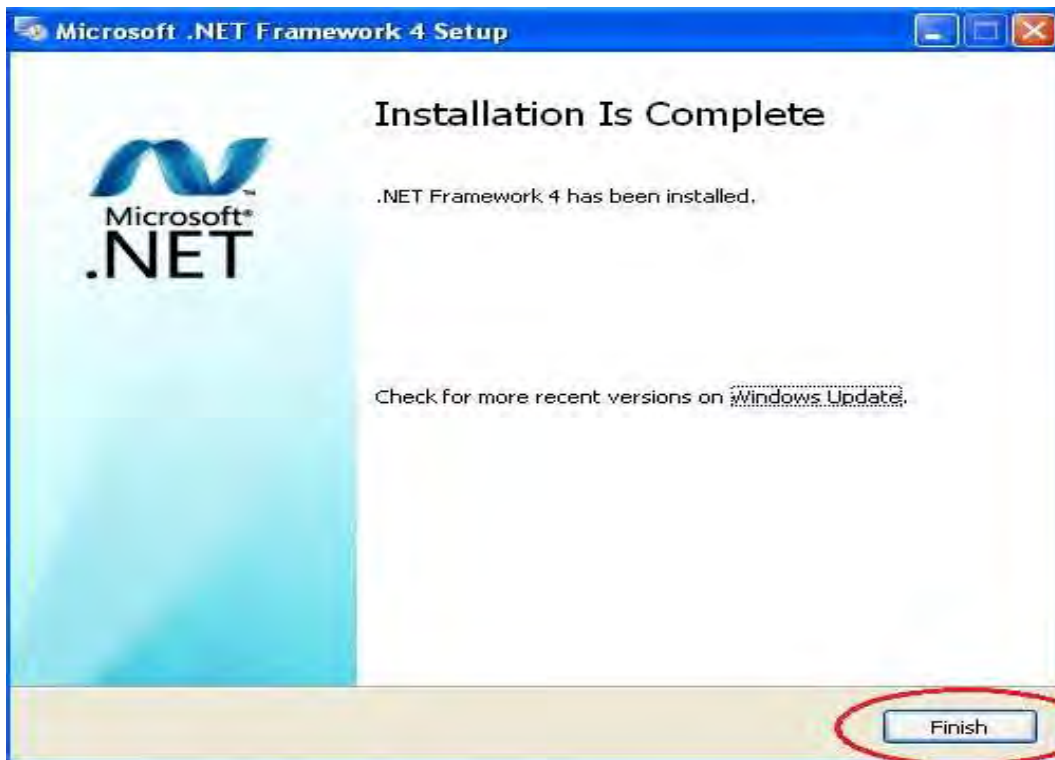


Klicken Sie auf „Finish“ und die Installation wird abgeschlossen.

Installation von Microsoft .NET Framework

Wenn der PC das Betriebssystem Windows XP oder eine ältere Version hat, wird .Net Framework 4.0 benötigt. Installieren Sie es bitte.

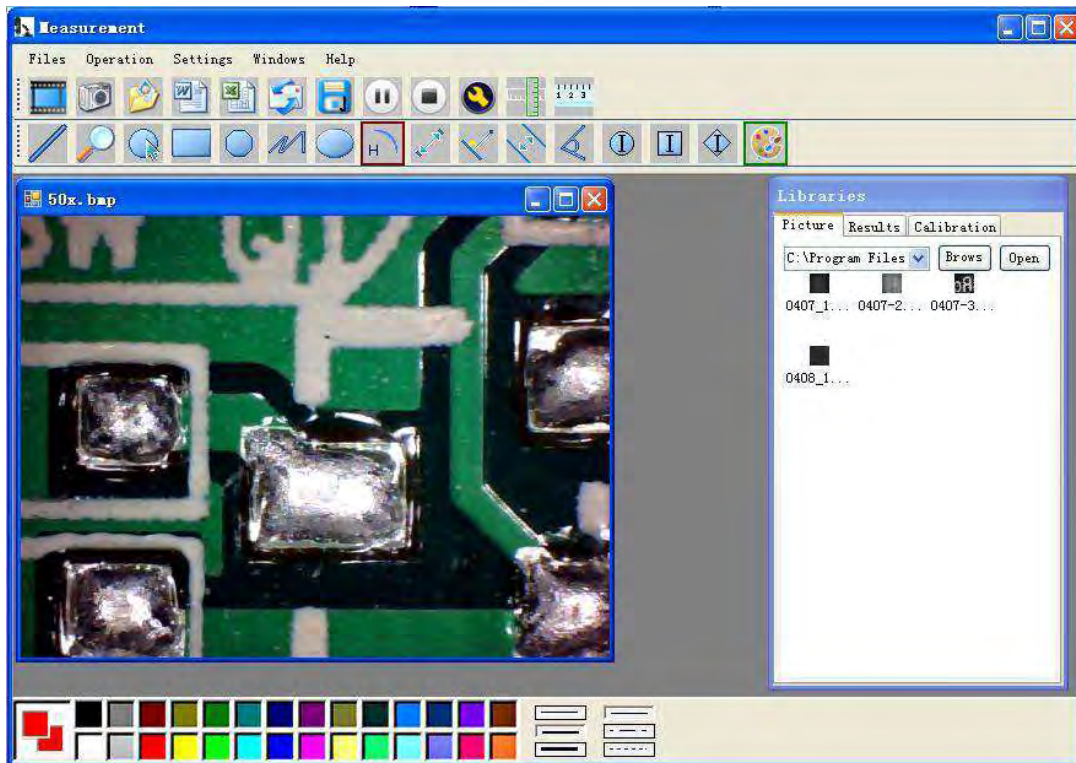




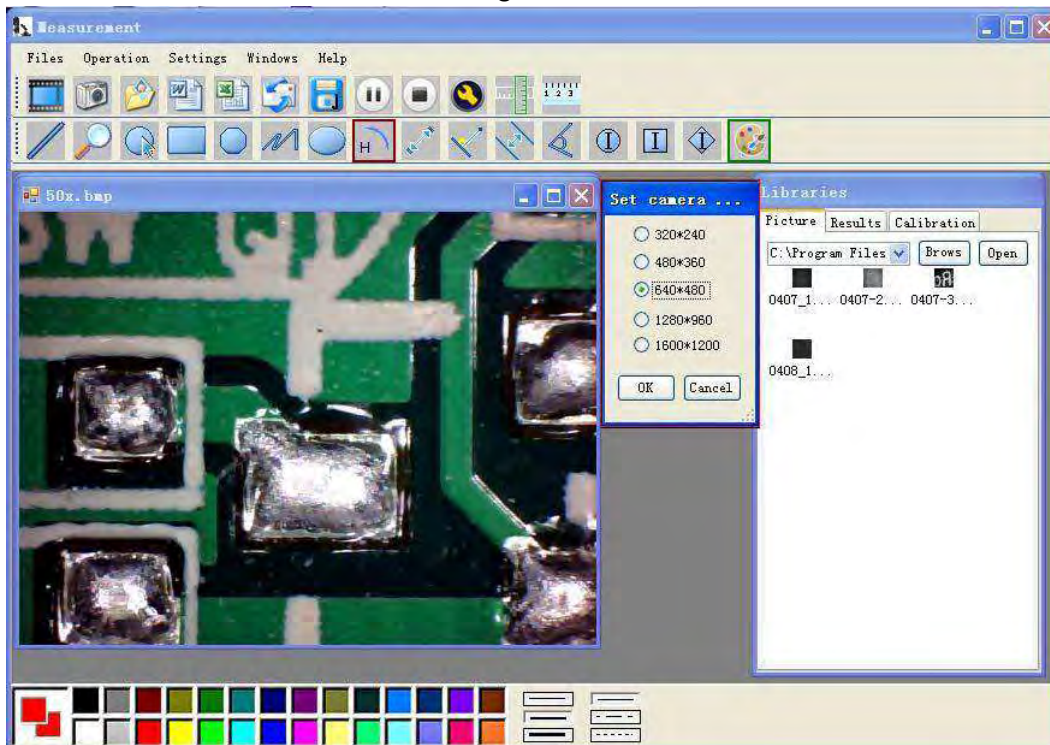
Nachdem die Installation abgeschlossen ist, führen Sie einen Doppelklick auf  auf Ihrem Computer-Desktop aus, um die Software zu verwenden.



Schließen Sie nun das DigiMicroscope USB200 an. Anzeige im Programmfenster wie folgt:

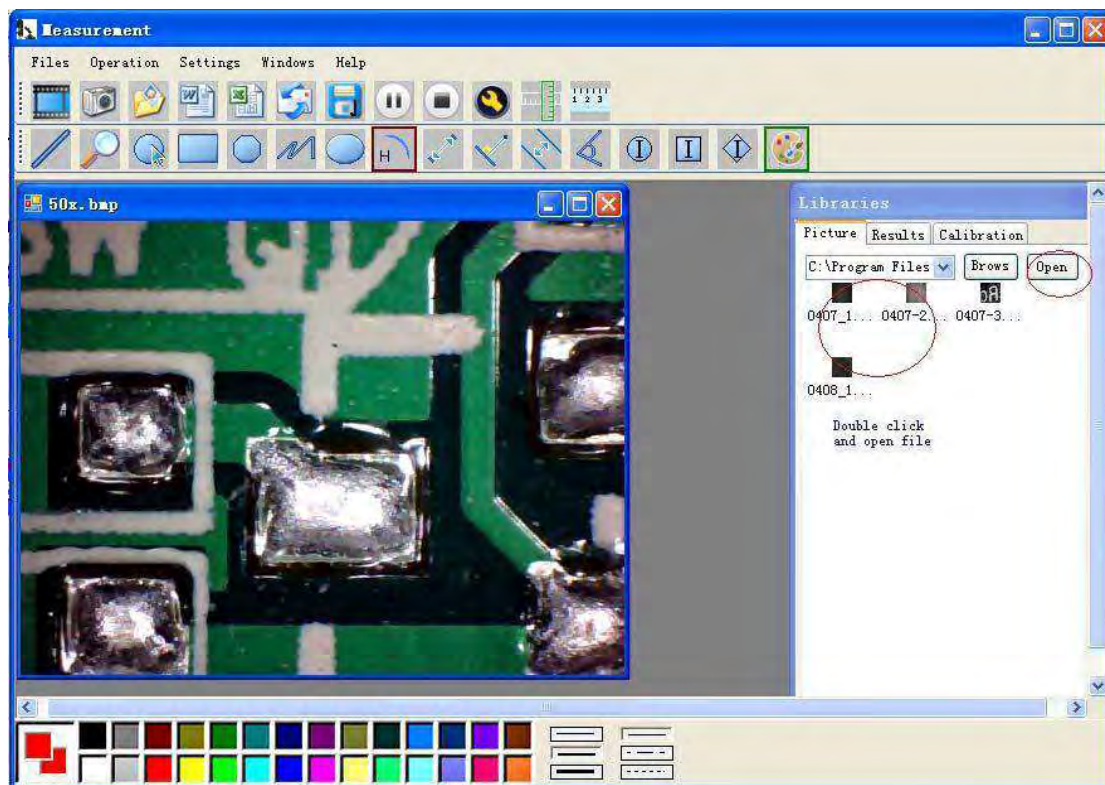


Klicken Sie auf , um das Programm zu öffnen

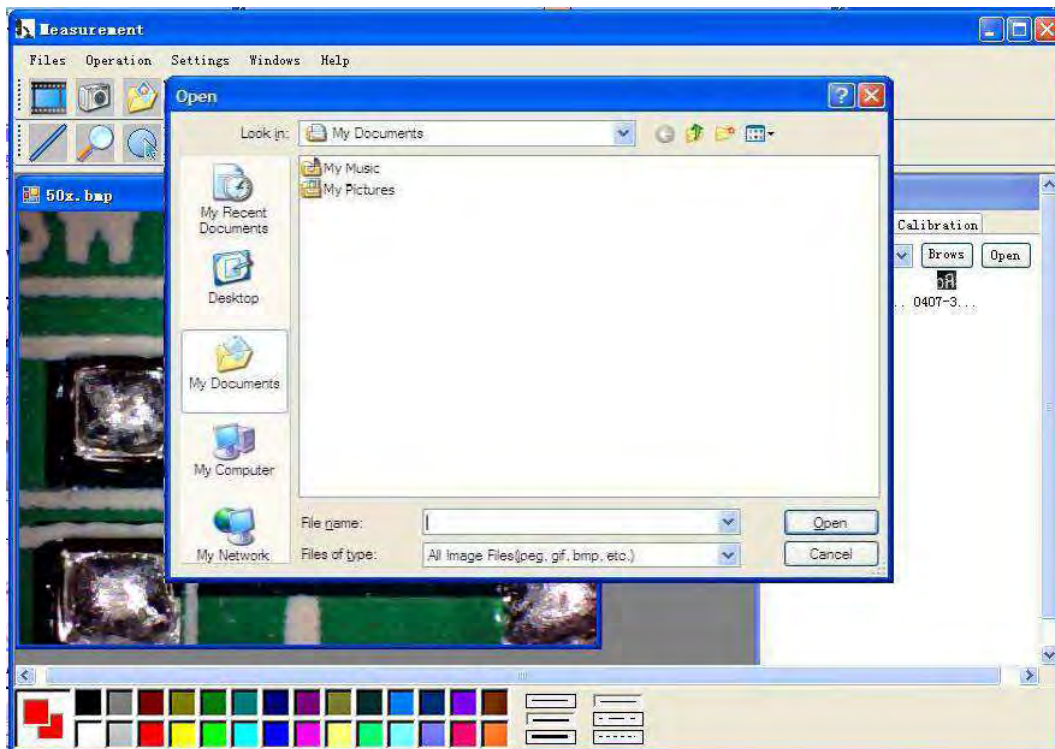


Wählen Sie die Bildauflösung von 320*240 bis 1600*1200 aus. Der Standard VGA-Modus ist 640*480.

Klicken Sie auf , um die Messfunktion zu benutzen.



Klicken Sie auf , um ein neues Bild zu öffnen und klicken Sie auf , um Bilder zu speichern



Video Wiedergabe/Pause, Stopp



Bild-Parameter einschließlich Bildeinstellung und Sondereffekte

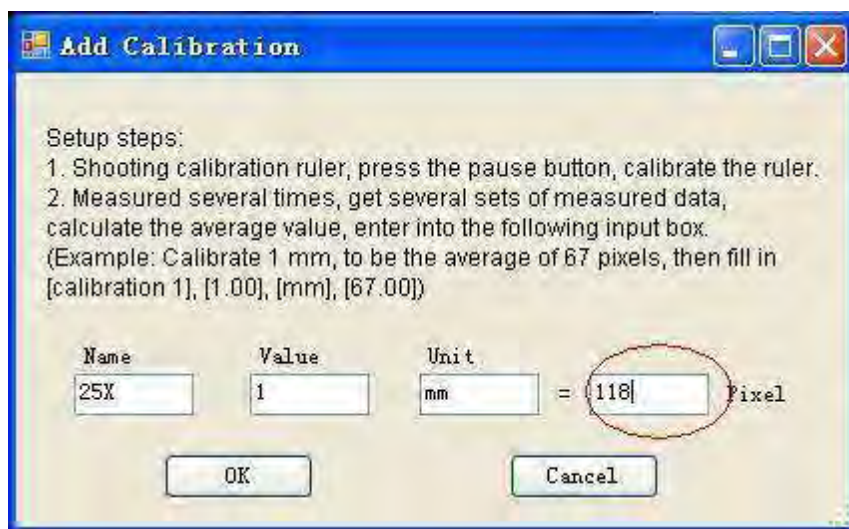


Lupe



Klicken Sie auf Lineal, wie folgt

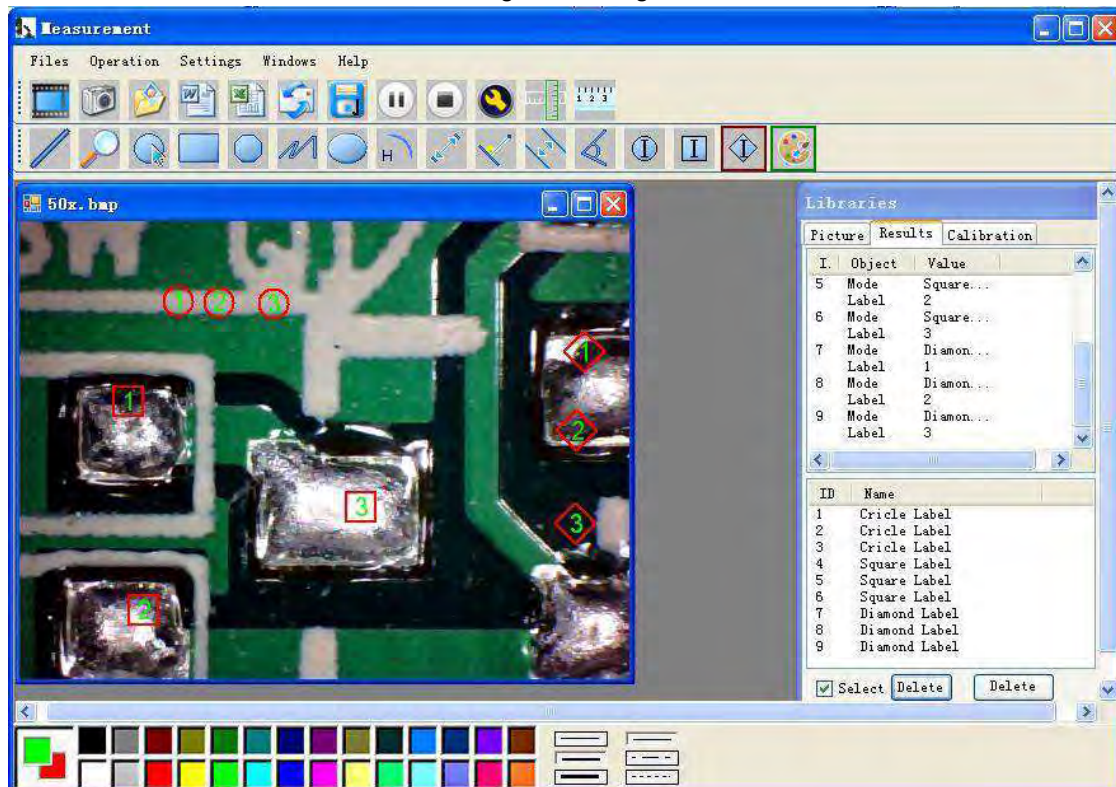
Geben Sie die Messdaten (Pixel) und die Einheit ein und klicken Sie auf „OK“



Warnung: Bitte führen Sie eine neue Kalibrierung durch, wenn sich das Vergrößerungsverhältnis ändert.



Farbeinstellung der Anzeigezeichen



Klicken Sie für den Export in Word- oder Excel-Format auf .
Beispiel: Messdaten unter Word-Datei



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

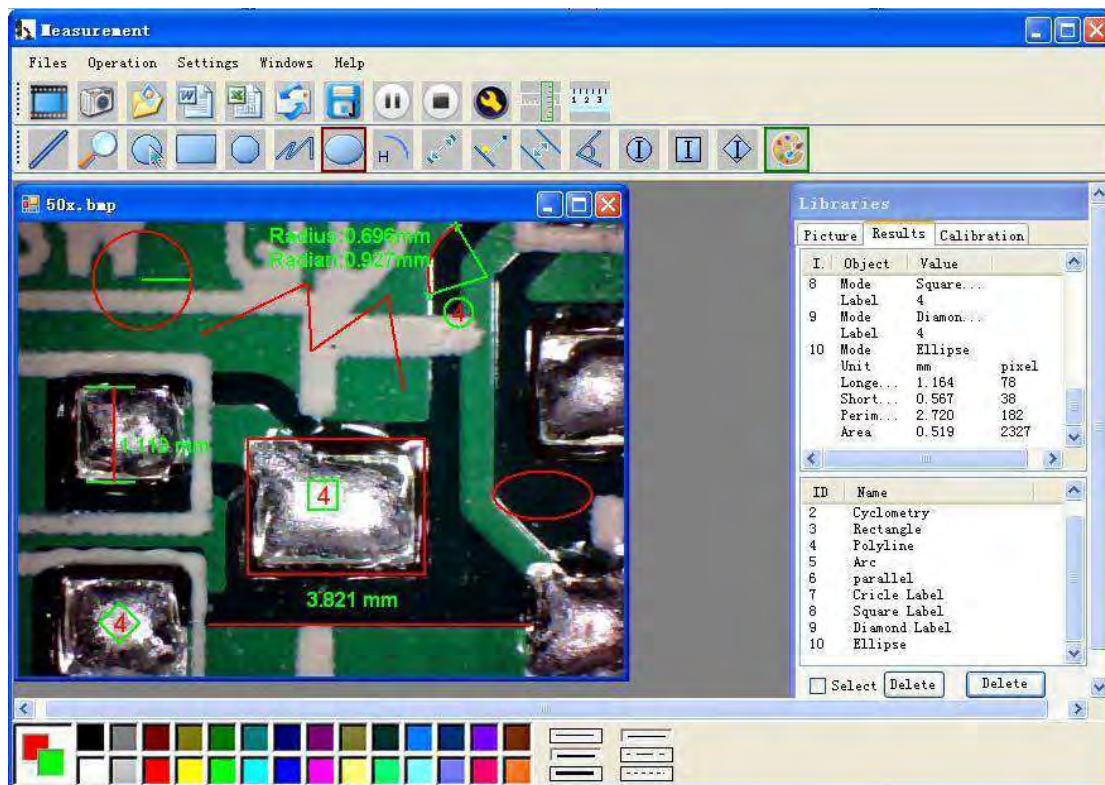
Picture:



Von links nach rechts:

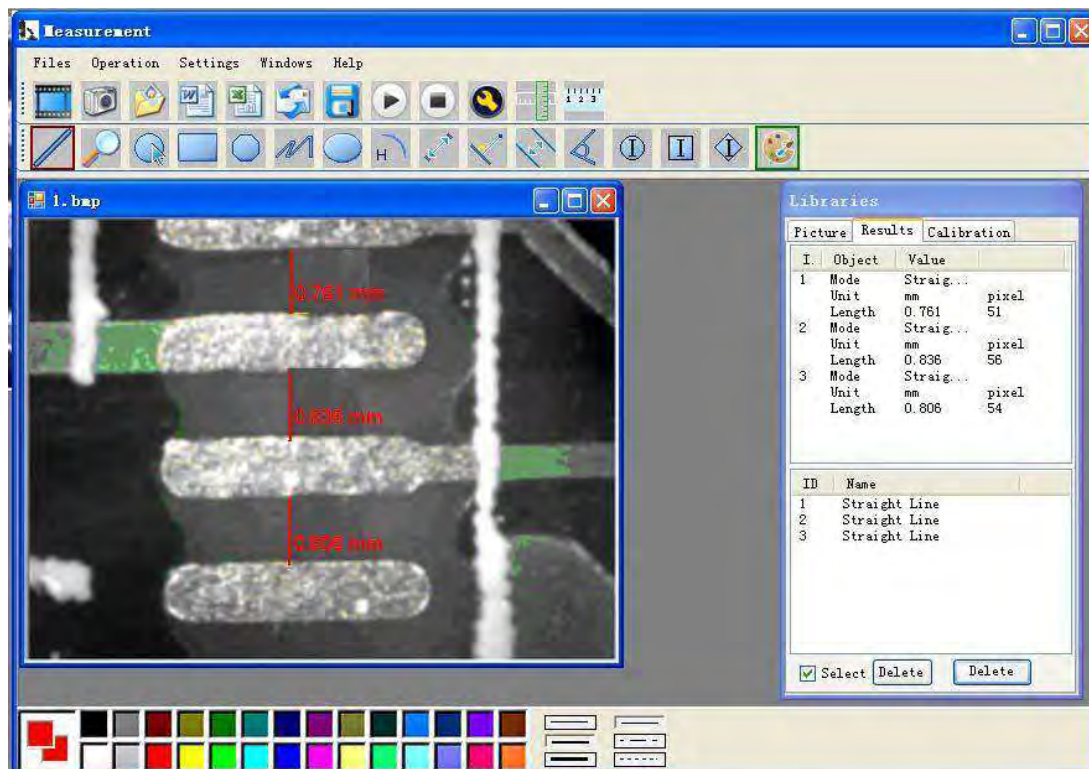


Linie, Kreis, Rechteck, Polygon, Set-Linienlänge, Oval, Bogen, Punkt-zu-Punkt-Abstand, Punkt-zu-Linie Abstand, Parallele Linie, Winkel



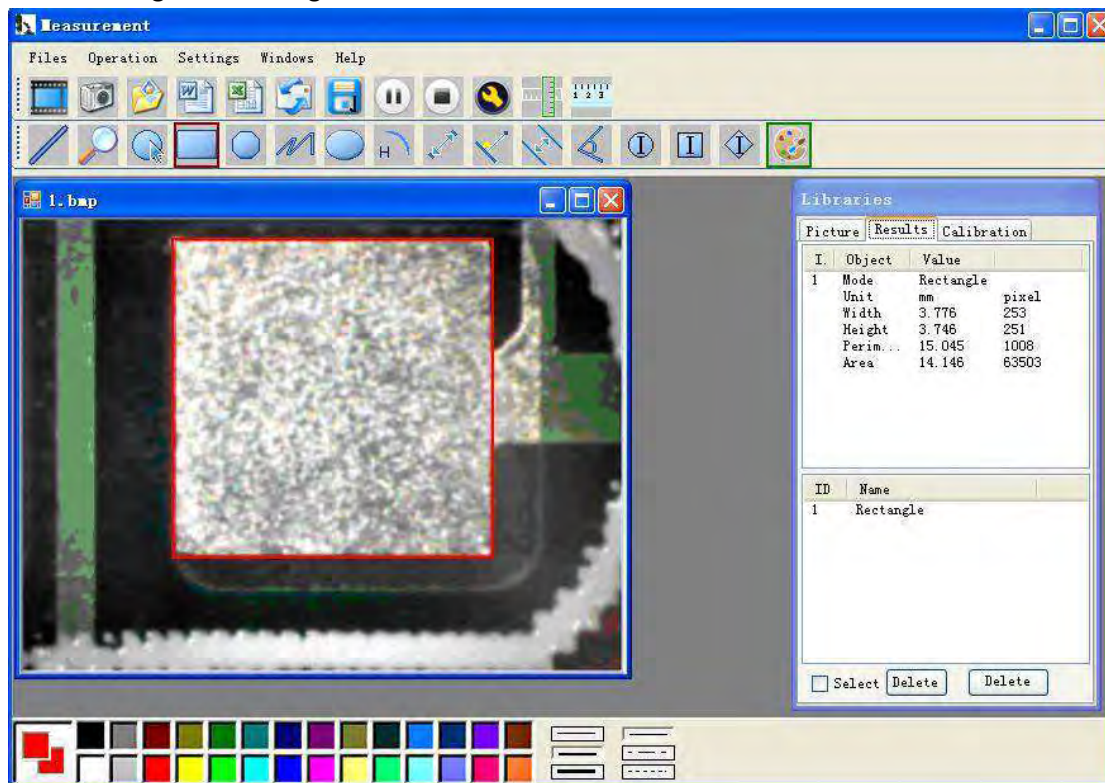
Beispiel 1

Linienmessung:



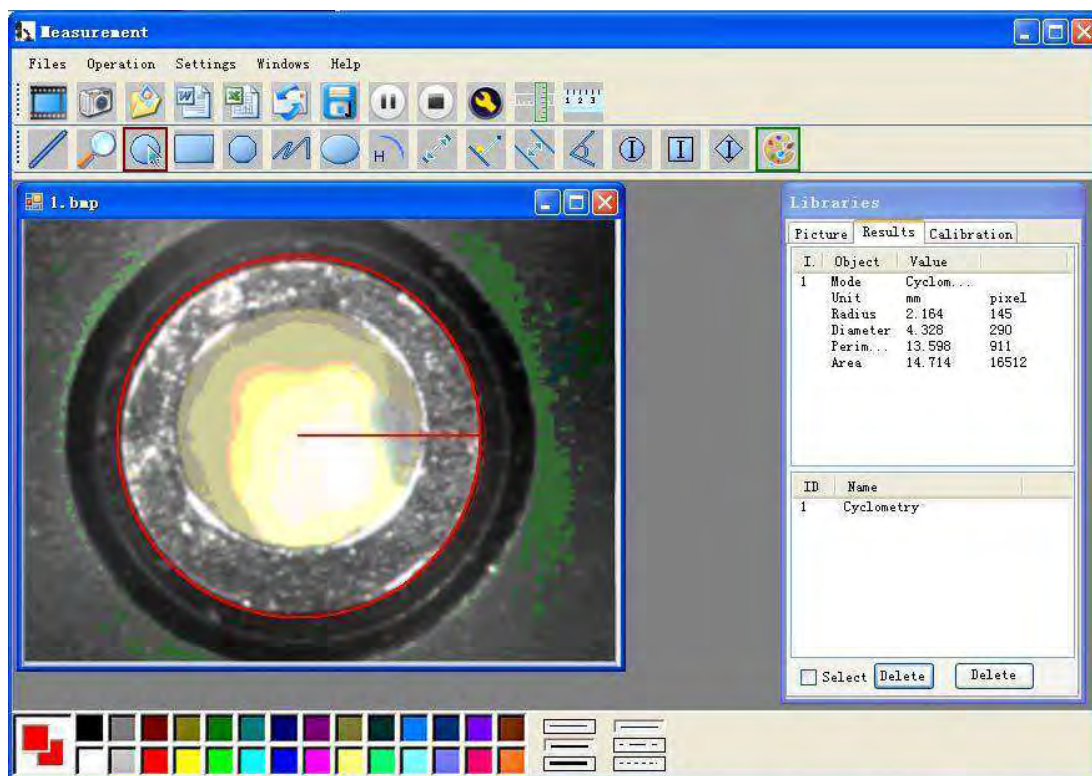
Beispiel 2

Rechteckige Messungen:



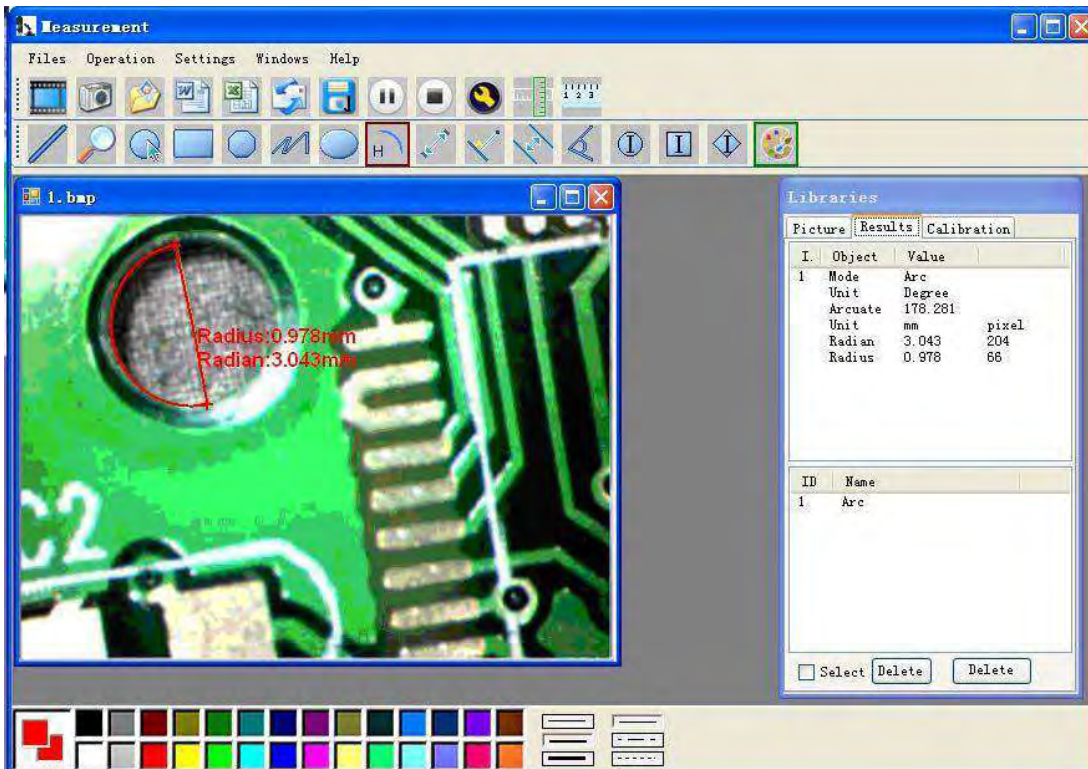
Beispiel 3

Kreismessungen:



Beispiel 4

Bogenmessungen:



Dieses Symbol auf dem Gerät oder in der Bedienungsanleitung bedeutet, dass das Gerät am Ende seiner Nutzungstauglichkeit getrennt vom Hausmüll entsorgt werden muss.

In der EU gibt es getrennte Sammelsysteme für Recycling.

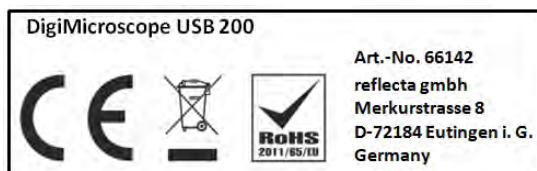
Für weitere Informationen wenden Sie sich bitte an Ihre Ortsverwaltung oder an Ihren Fachhändler.



reflecta DigiMicroscope USB 200

Manuale dell'utente

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Parti del microscopio

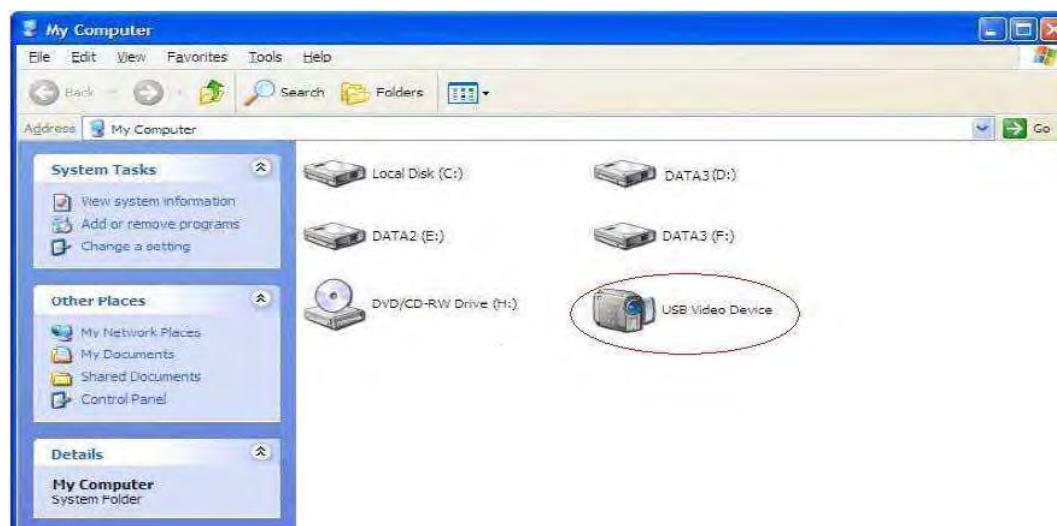


Note prima dell'uso

1. Non smontare il microscopio digitale o modificare le parti interne, ciò può causare danni.
2. Pulire il microscopio con solventi organici a base di alcol
3. Non toccare la lente con le dita.
4. Se possibile, evitare l'uso all'aperto.
5. Temperatura di conservazione, 0 °C ~ 40 °C, Umidità: 45%RH ~ 85RH%.
6. Nel caso in cui il prodotto dovesse diventare umido, rimuovere immediatamente il collegamento con il PC. E non smontare o asciugare con un asciugacapelli. Inviare al centro assistenza se il microscopio digitale è stato alterato da liquidi o altri elementi.
7. I dati di misurazione sono solo per riferimento.

Dotazione

- Microscopio digitale con interfaccia USB
- Supporto
- CD software
- Guida rapida
- Righello di calibratura



Requisiti di sistema hardware

Windows XP, VISTA, WIN7, WIN8, WIN10 Pentium 1G, Celeron, AMD 1G e superiore, 128MB di memoria, spazio di memoria disco rigido 150MB, VGA 16 bit e superiore, CD-ROM, USB2.0 o USB1.1.

Come installare il driver

Il microscopio digitale è un prodotto driver gratuito, può essere utilizzato immediatamente dopo la connessione al computer con sistema operativo di versione superiore a win2000.

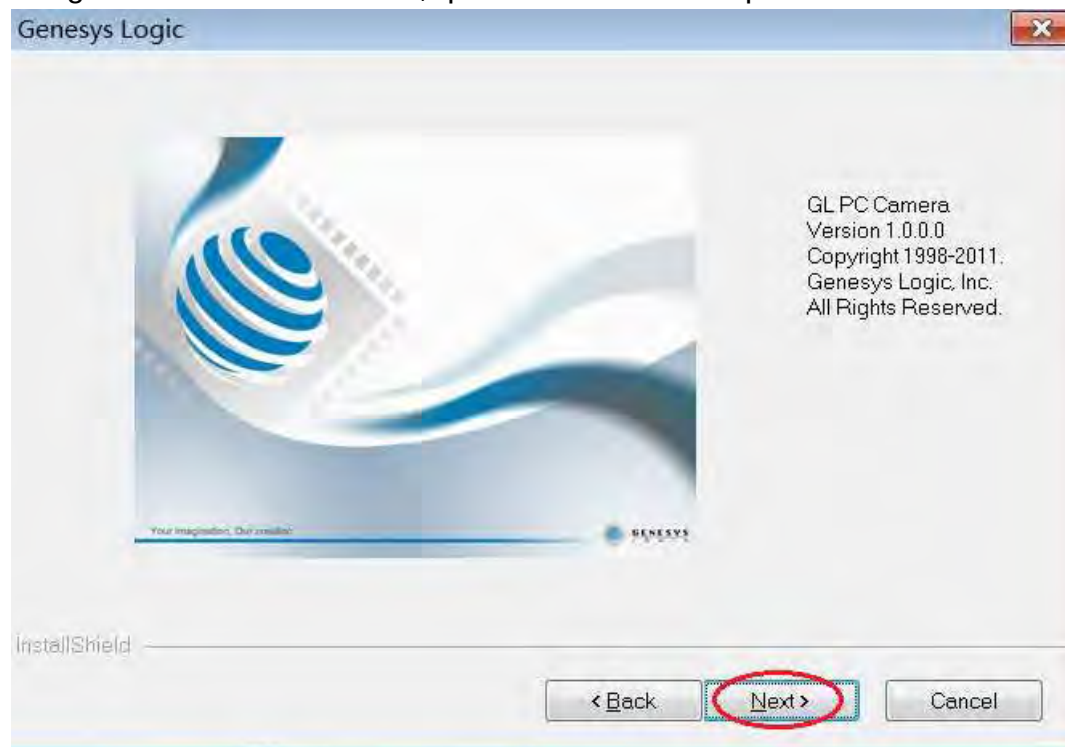
1. Collegare il microscopio digitale portatile mediante il cavo USB2.0 al proprio computer, fare doppio clic sull'icona "Risorse del computer" sul desktop, appare l'interfaccia seguente.
2. Fare doppio clic sull'icona del dispositivo video contrassegnata in rosso sul proprio computer. Ora è pronto per l'uso.

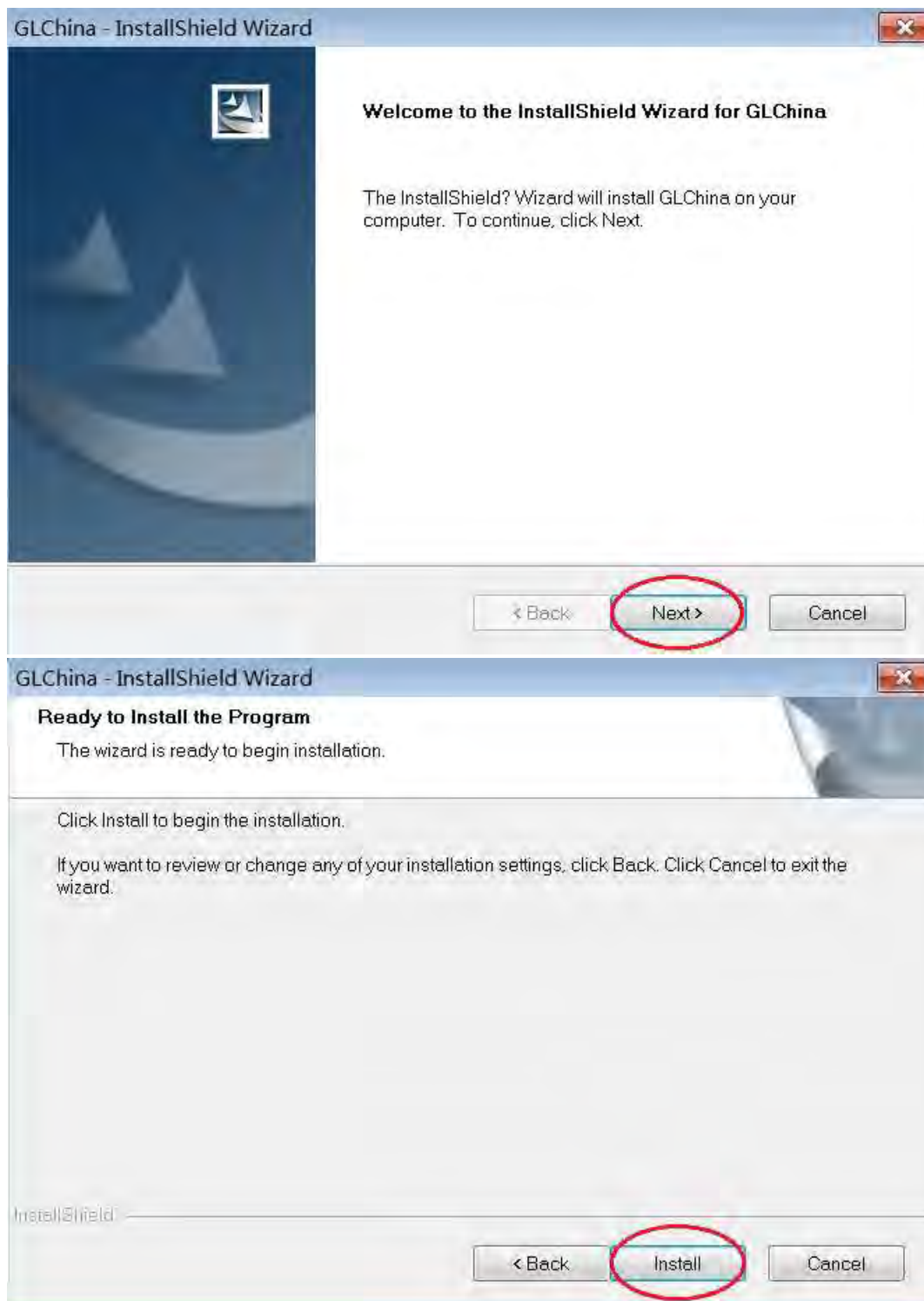
Se non si trova il dispositivo Video o se il proprio computer non può riconoscerlo, seguire i passi seguenti per installare il driver.

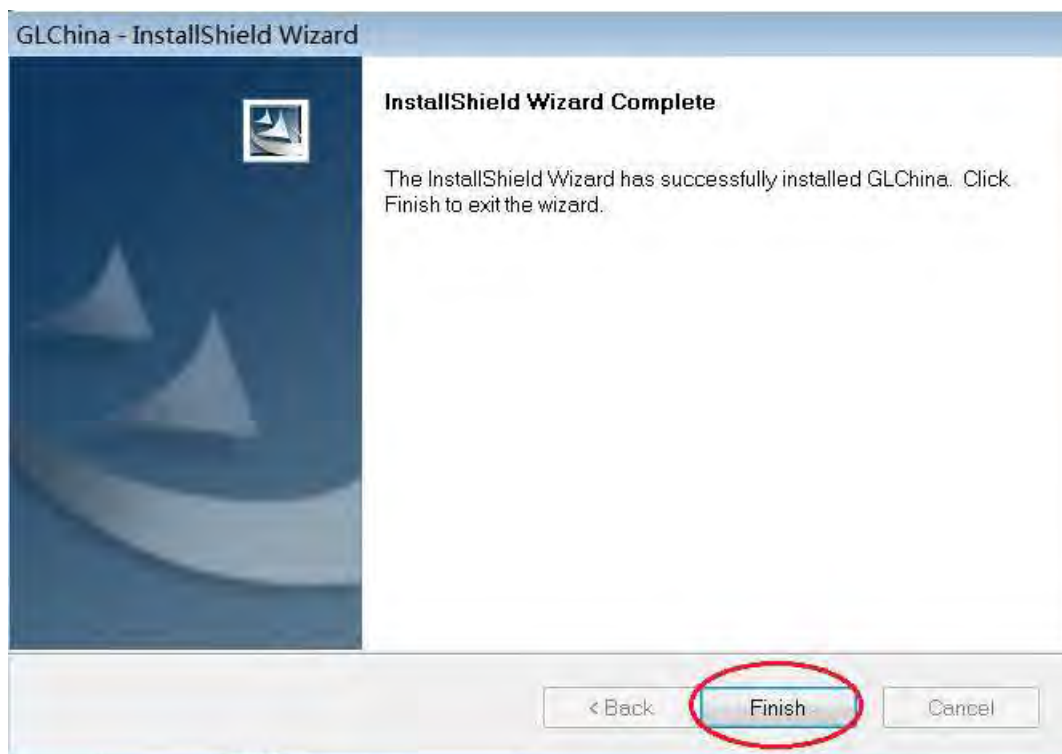
Inserire il CD fornito, aprire “Risorse del computer”, e fare doppio clic su “DVD/CD Driver” per aprire il CD.

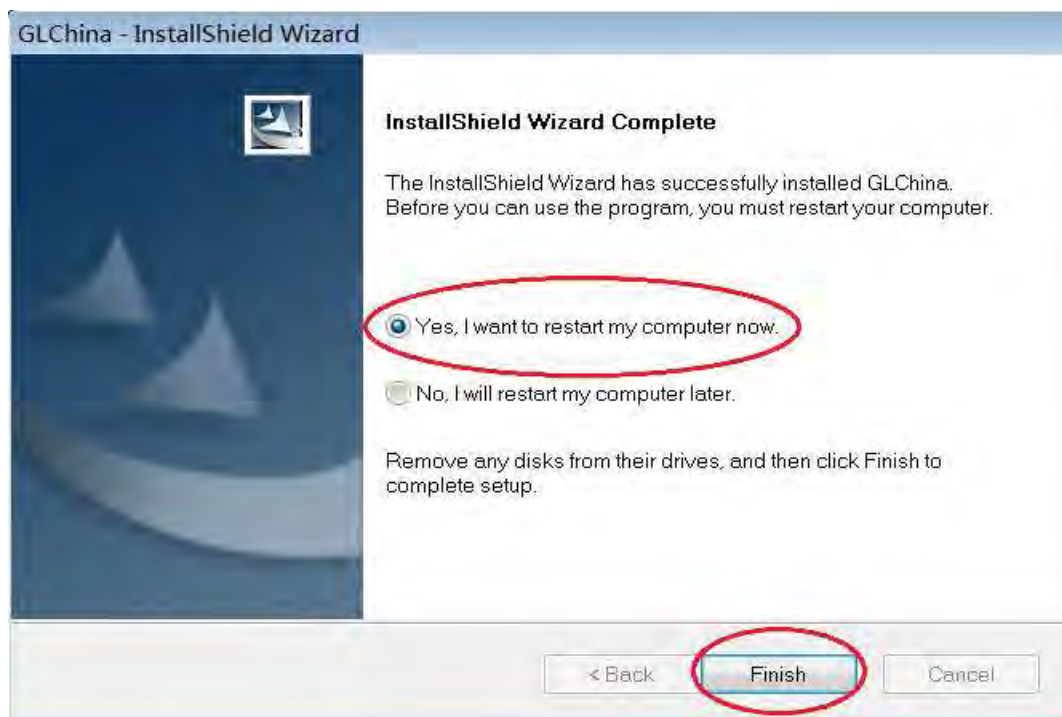
Installazione del driver

Scegliere e installare il driver, quindi riavviare il computer





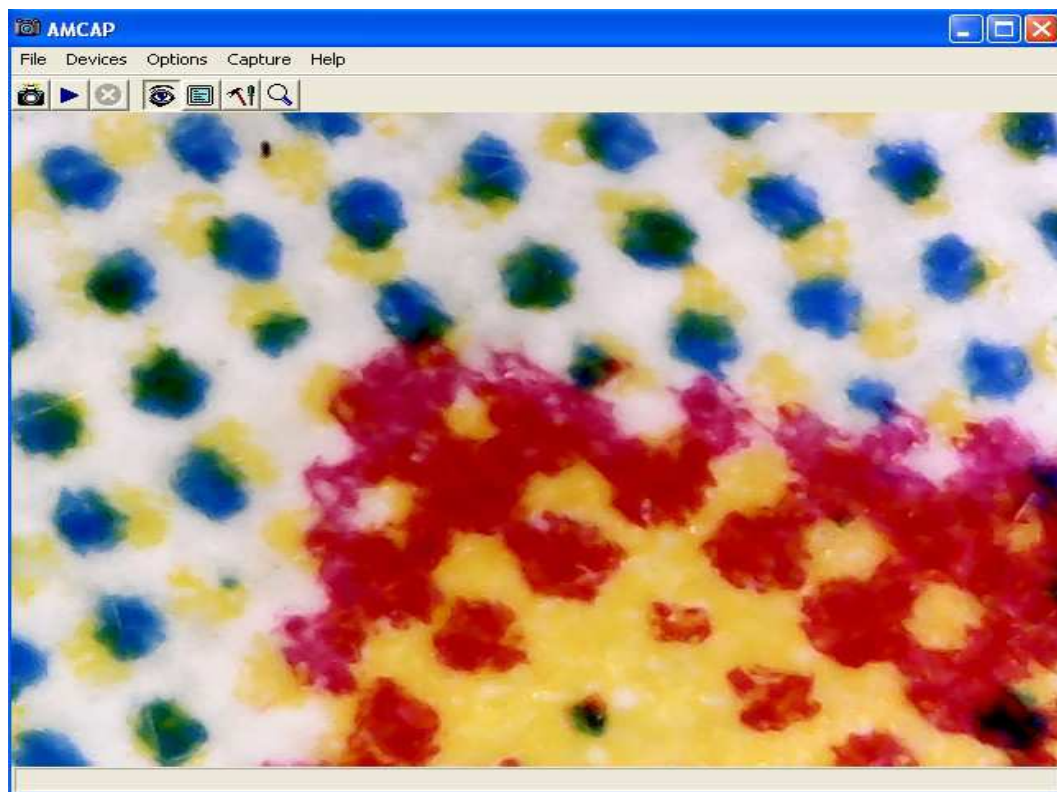




Ripristinare il computer dopo l'installazione del driver;

L'installazione può essere bloccata dal software antivirus, quindi lasciare che il software antivirus consenta tutti i processi o chiudere l'antivirus prima dell'installazione. Se l'installazione ha

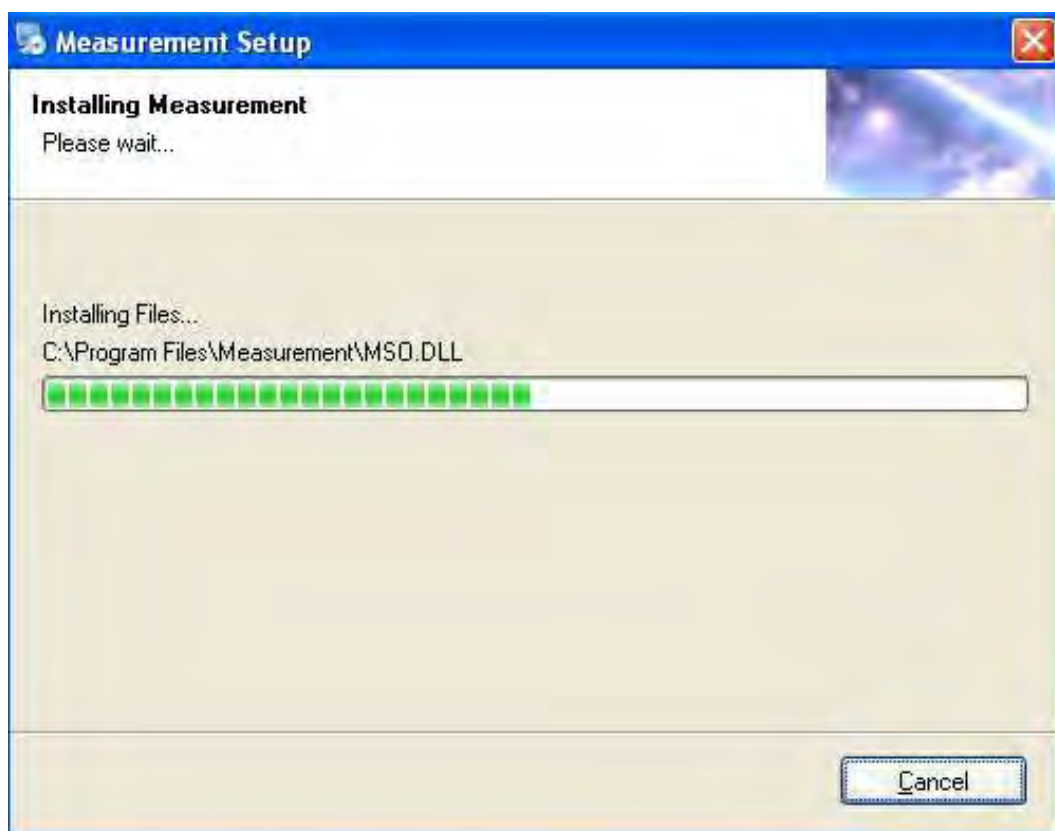
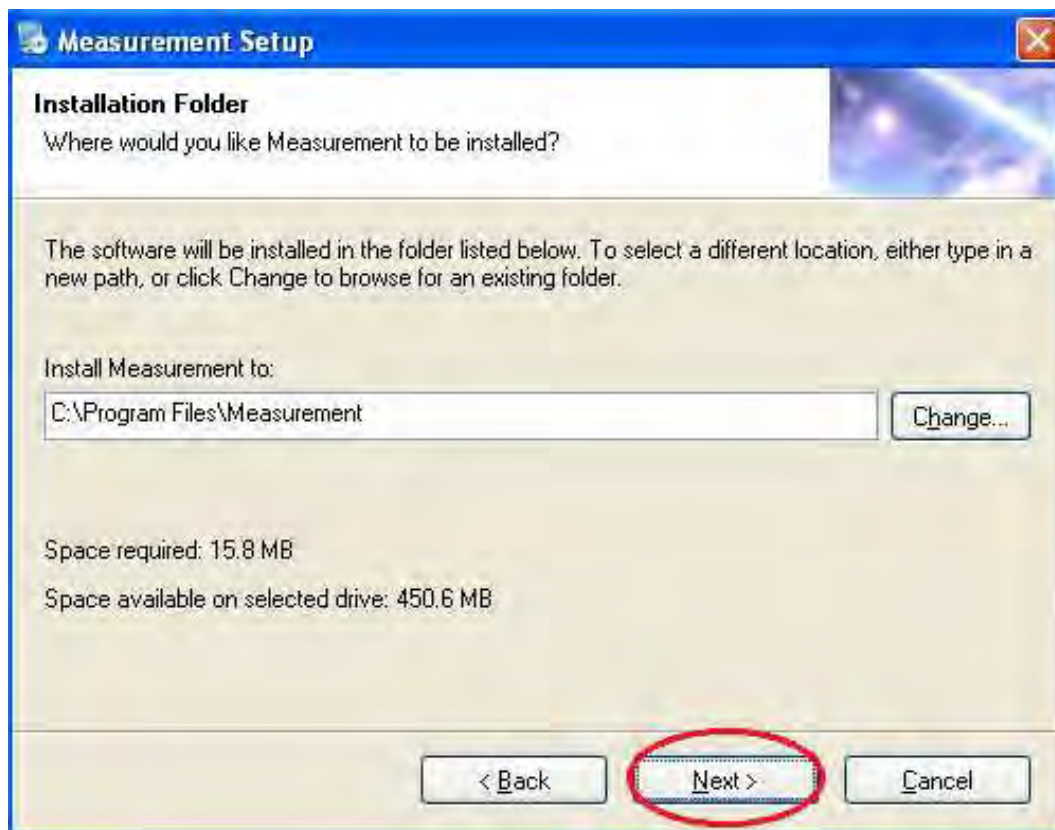
successo, è possibile vedere l'icona  sulla barra degli strumenti, anche l'icona del software sul desktop.

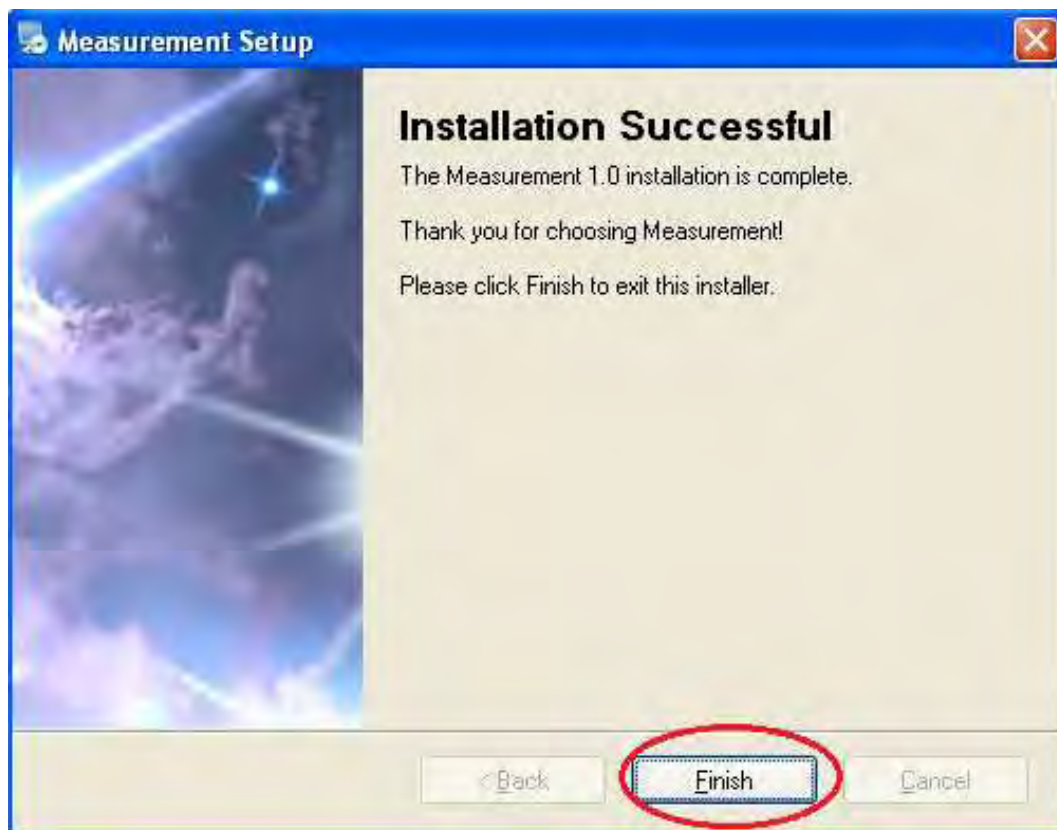


Ora è possibile utilizzare il microscopio. Premere a lungo il pulsante SNAP sul microscopio per scattare le foto e premere il pulsante ZOOM per la funzione di zoom digitale.

Installazione Measurement

Scegliere e installare Measurement

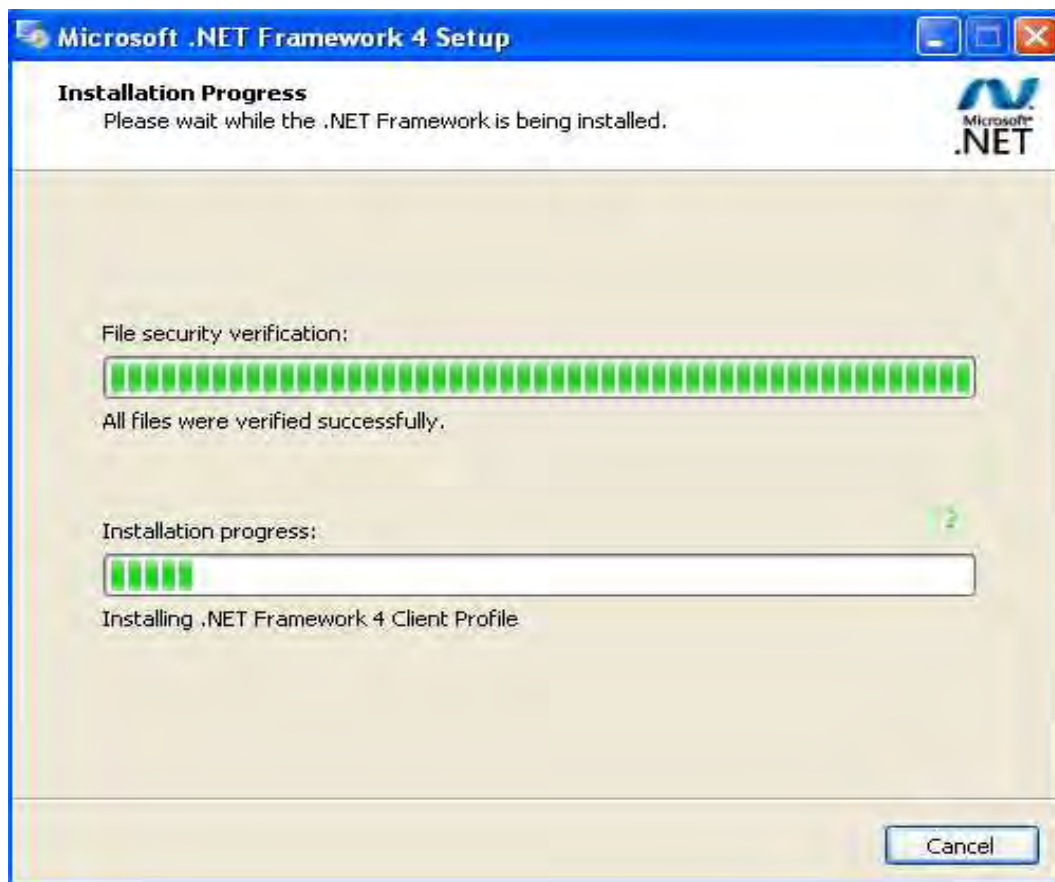


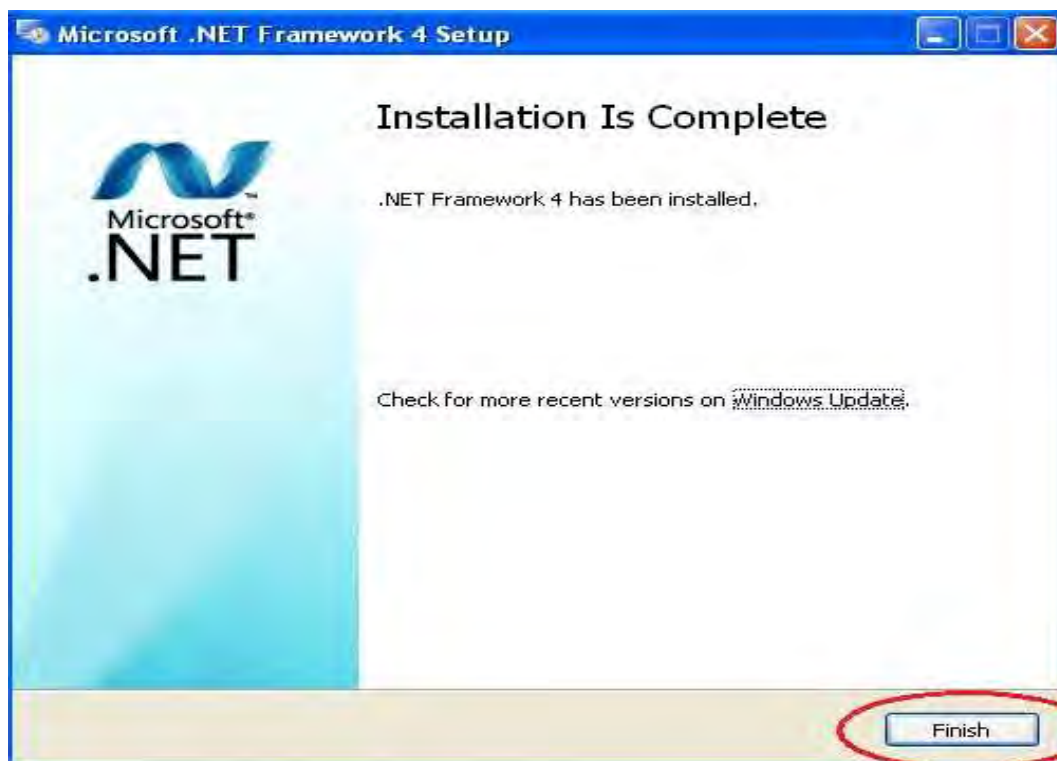


Fai clic su “Finish” e l'installazione è completata.

Installazione Microsoft .NET Framework

Se il PC utilizza Windows XP o versione precedente, .Net Framework 4.0 è necessario. Installarlo.

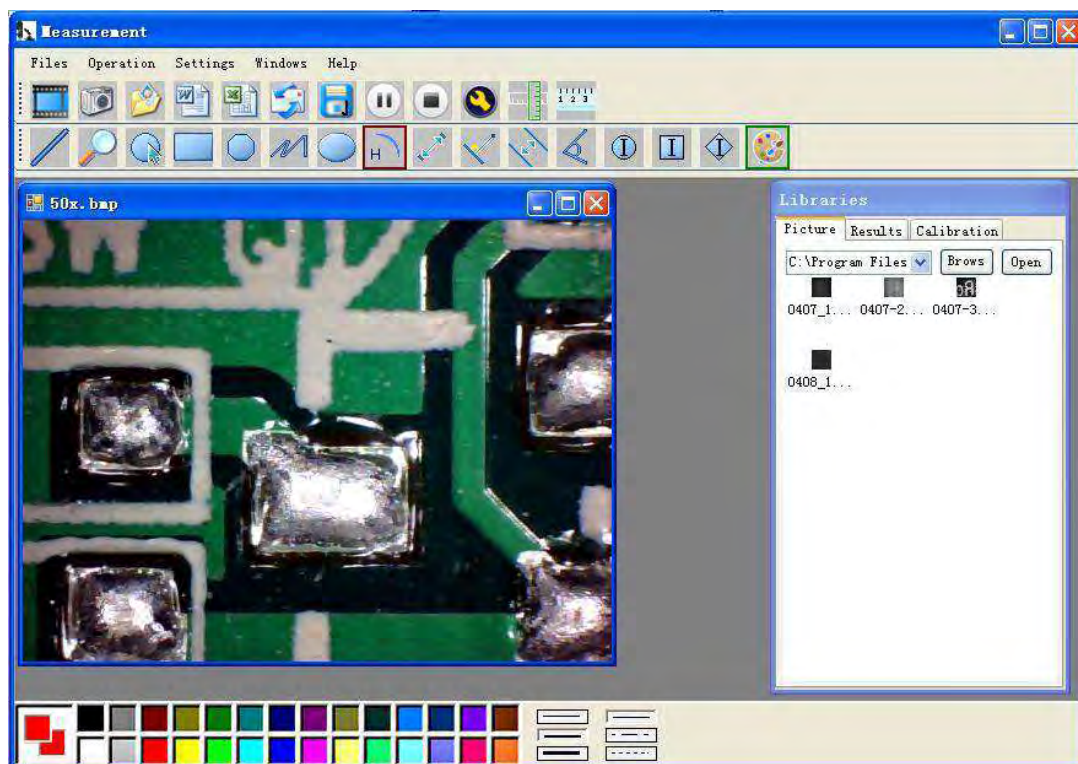




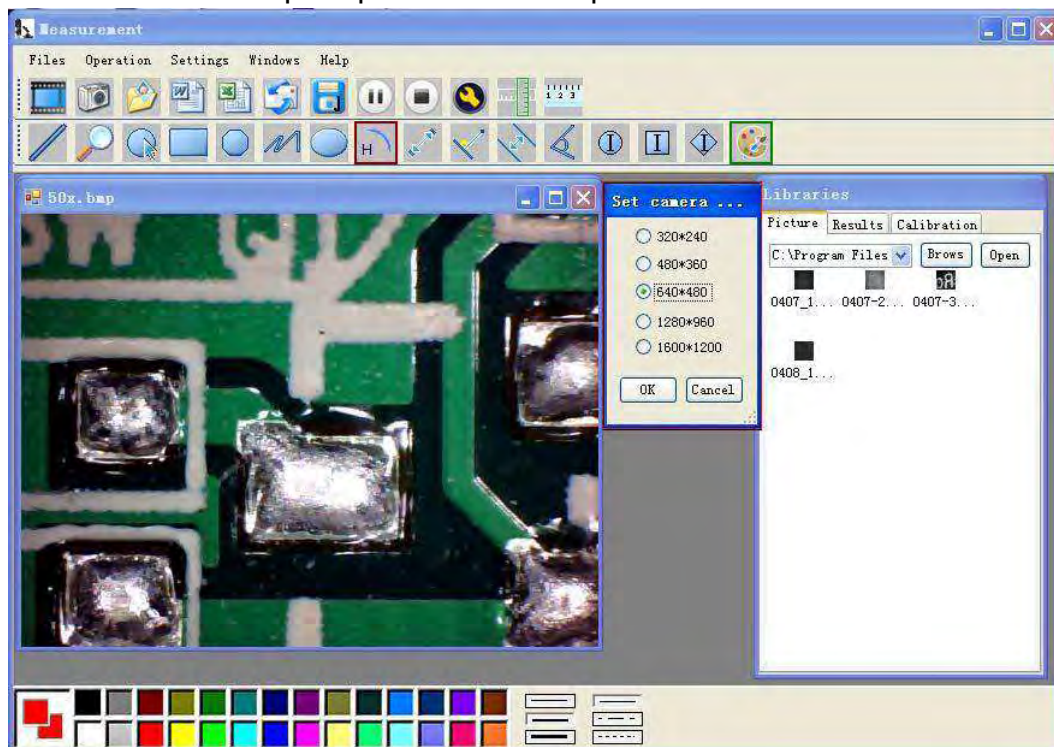
Dopo il completamento dell'installazione, fare doppio clic su  sul desktop del computer per iniziare a usare il software.



Collegare i dispositivi, display nella finestra operativa

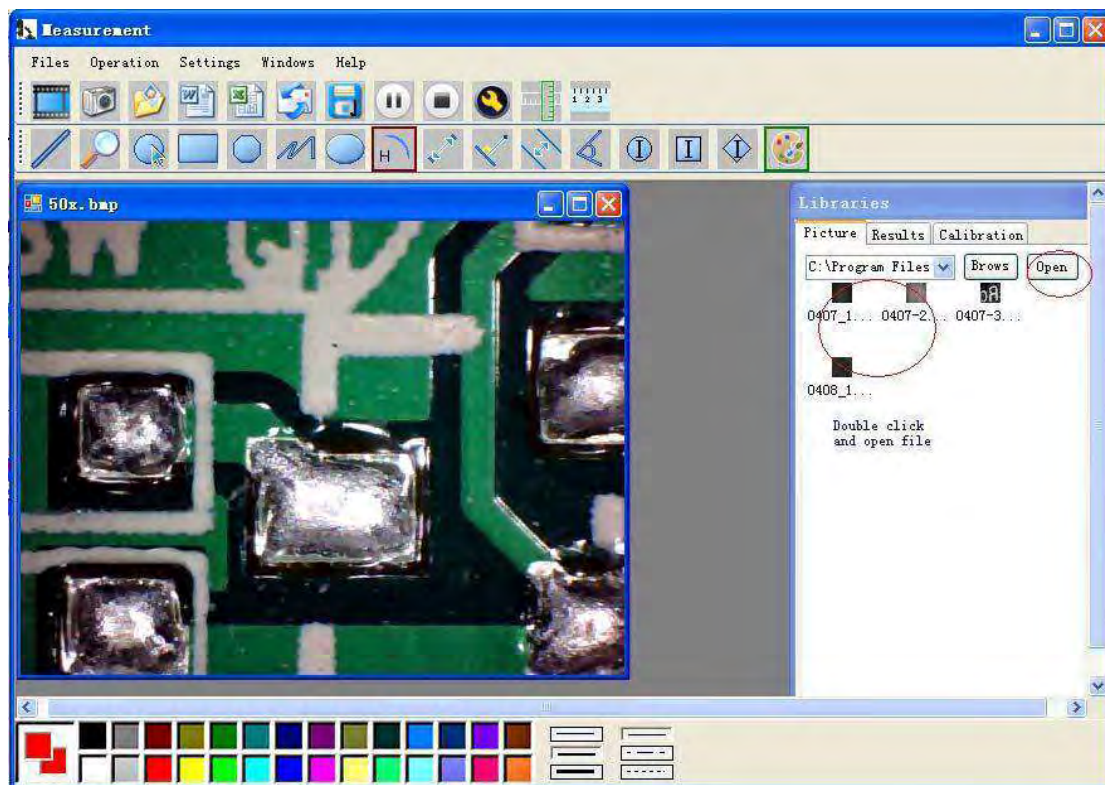


Fare clic su per aprire il sistema operativo

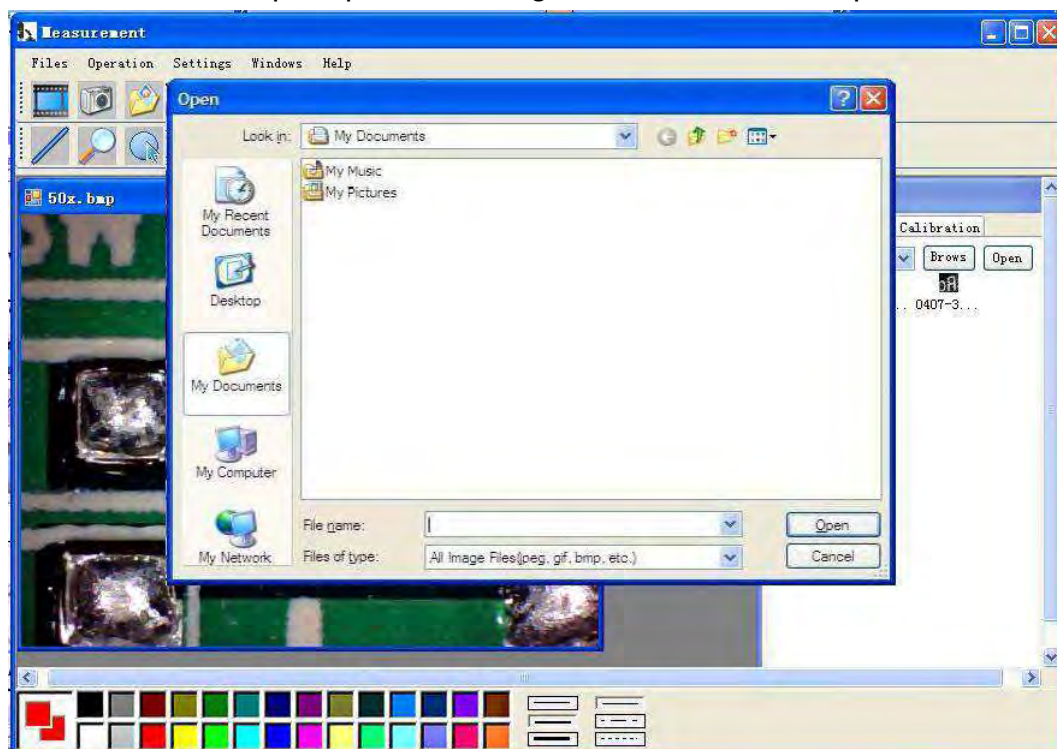


Scegliere la risoluzione dell'immagine da 320*240 a 1600*1200, predefinita in modalità VGA è 640*480

Fare clic su  per utilizzare la funzione di misurazione.



Fare clic su  per aprire le immagini e fare clic su  per salvare le immagini

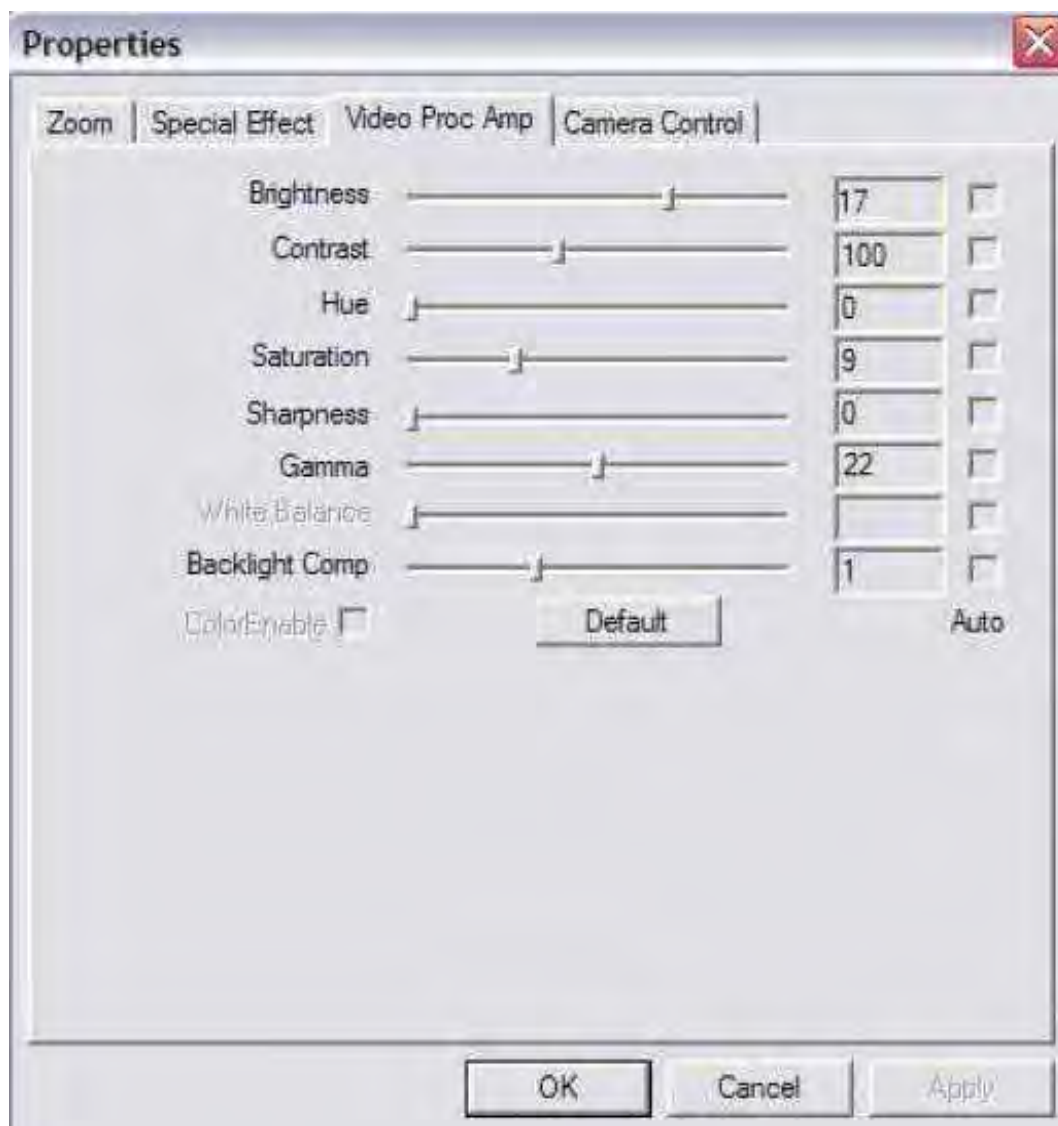




Riproduzione/Pausa video, Arresto



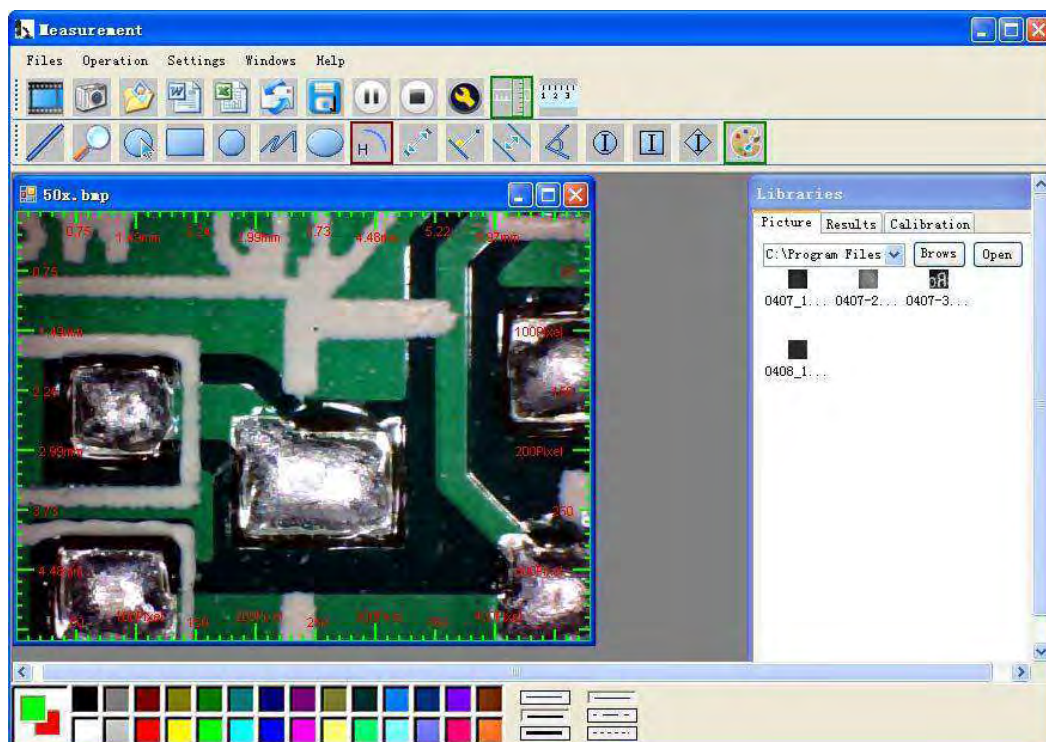
Parametri immagine incluso impostazione immagine ed effetti speciali



Ingranditore

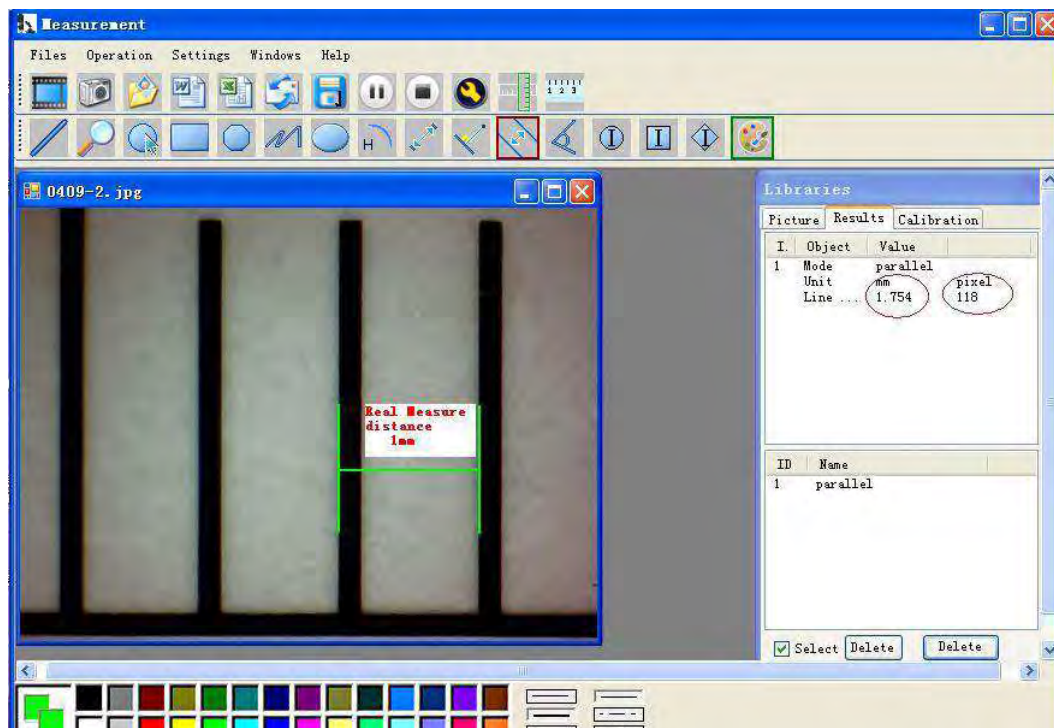


Fare clic sul **Righello**, come segue

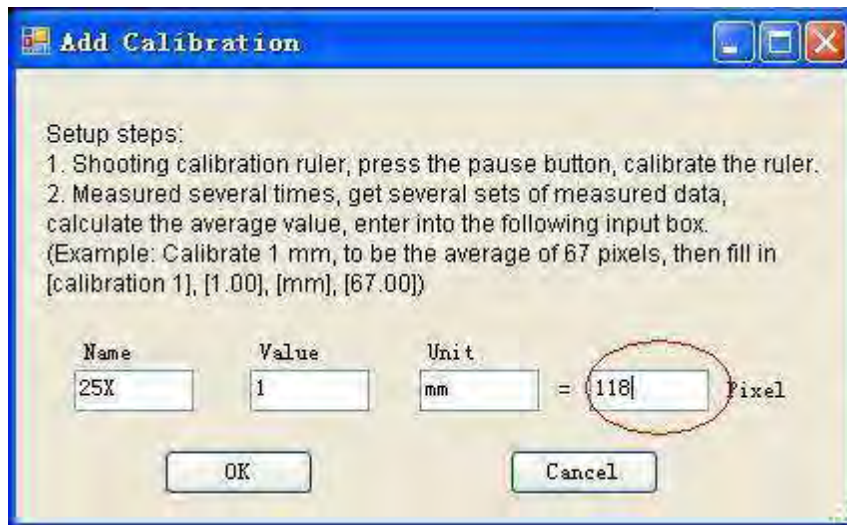


Fare clic su  per avviare la calibrazione e assicurarsi della precisione.

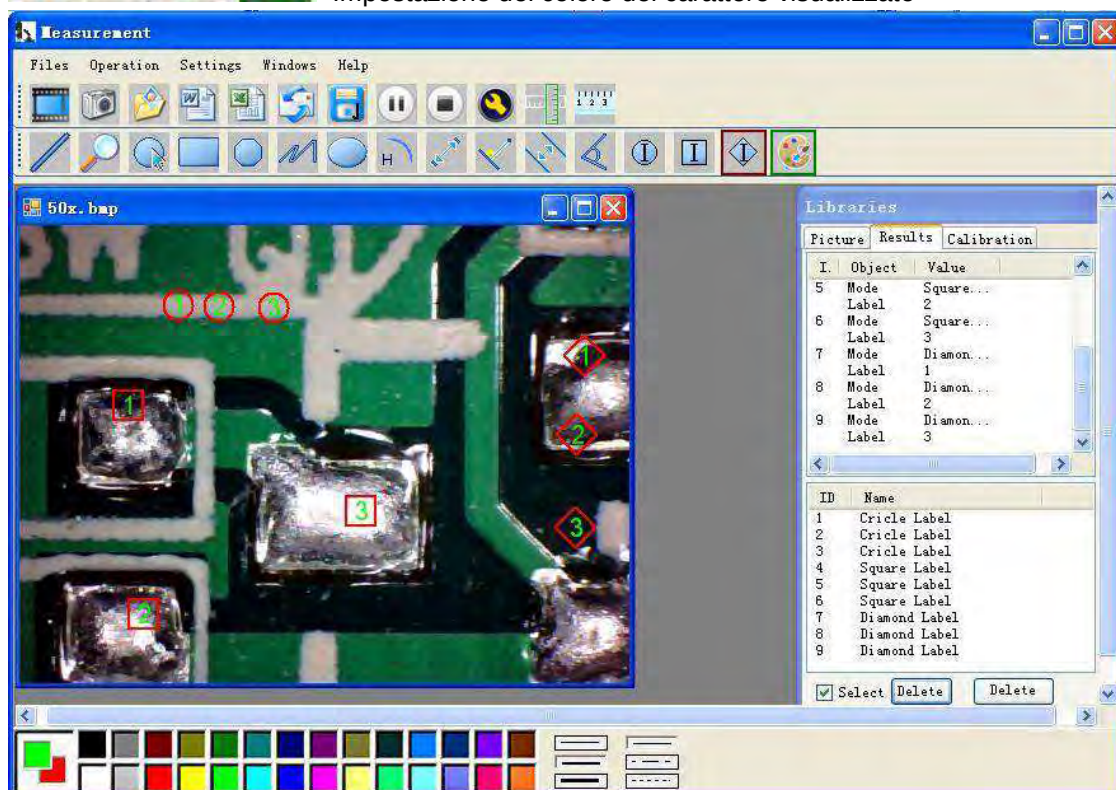
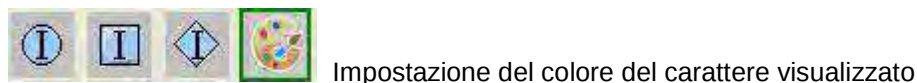
La nostra esperienza ci dice che tale misurazione potrebbe essere controllata con una precisione del 99%. Una tolleranza di misurazione può essere causata dalla distorsione e sfocamento della vista umana. Una maggiore pratica è utile per le misurazioni.



Accedere a Dati misurazione (Pixel), Unità e fare clic su “OK”



Avvertenza: Effettuare nuovamente la calibrazione una volta modificato il rapporto di ingrandimento.



Fare clic su  per esportare in formato word o excel.

Esempio Dati di misurazione in file word

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:

Da sinistra a destra:

Linea, Cerchio, Quadrato, Poligono, Lunghezza linea, Ovale, Arco, Distanza Punto a Punto, Distanza Punto a Linea, Linea parallela, Angolo

Measurement

Files Operation Settings Windows Help

50x. bmp

Radius 0.696mm
Radius 0.927mm

1.115 mm

3.821 mm

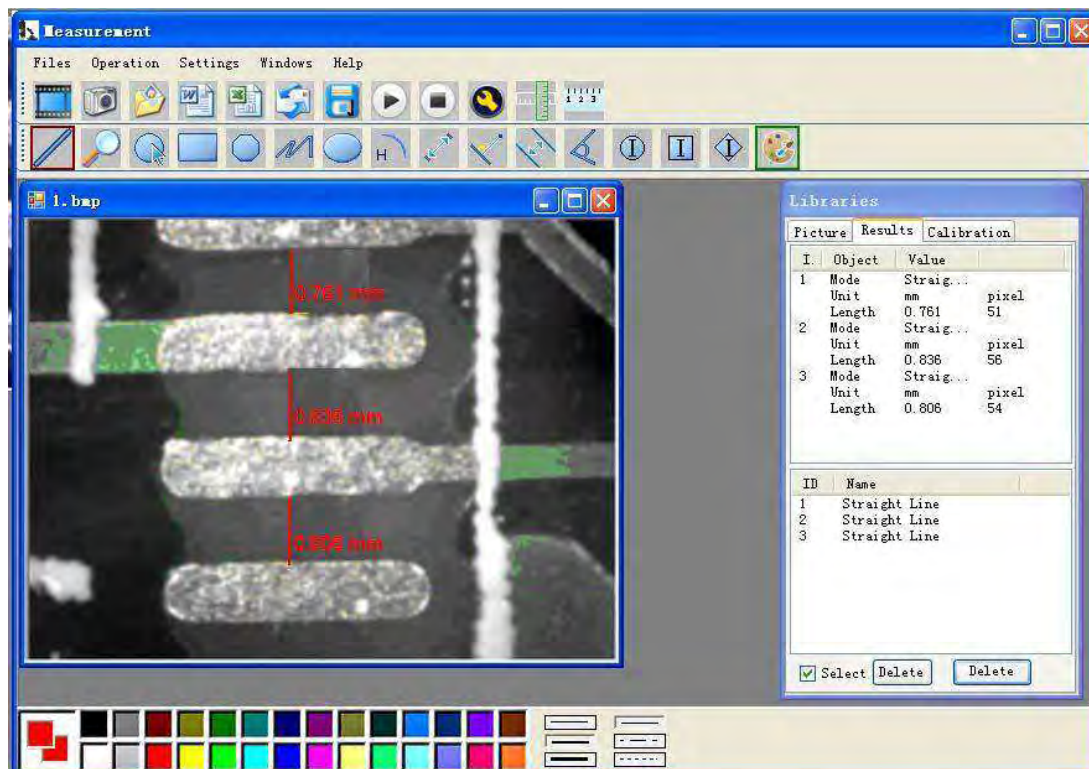
Libraries

Picture	Results	Calibration
1	Object	Value
8	Mode	Square...
	Label	4
9	Mode	Diamond...
	Label	4
10	Mode	Ellipse
	Unit	mm
	Longe...	1.164
	Short...	0.567
	Perim...	2.720
	Area	0.519

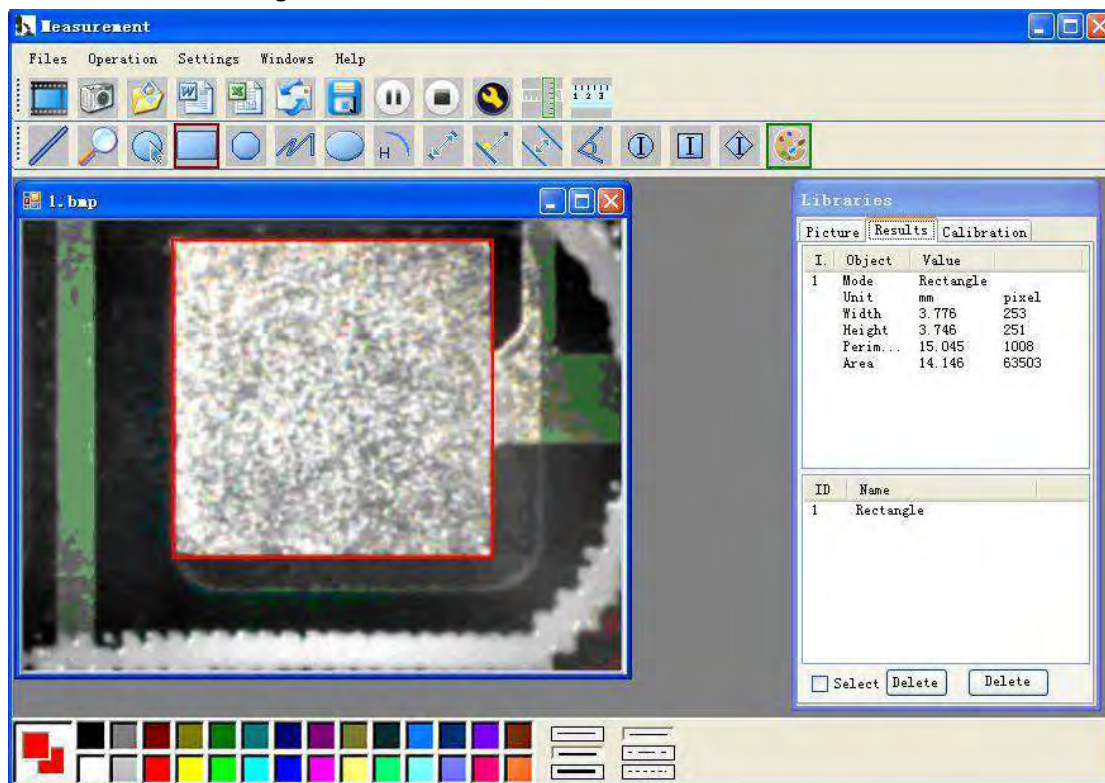
ID	Name
2	Cyclometry
3	Rectangle
4	Polyline
5	Arc
6	parallel
7	Circle Label
8	Square Label
9	Diamond Label
10	Ellipse

Select Delete Delete

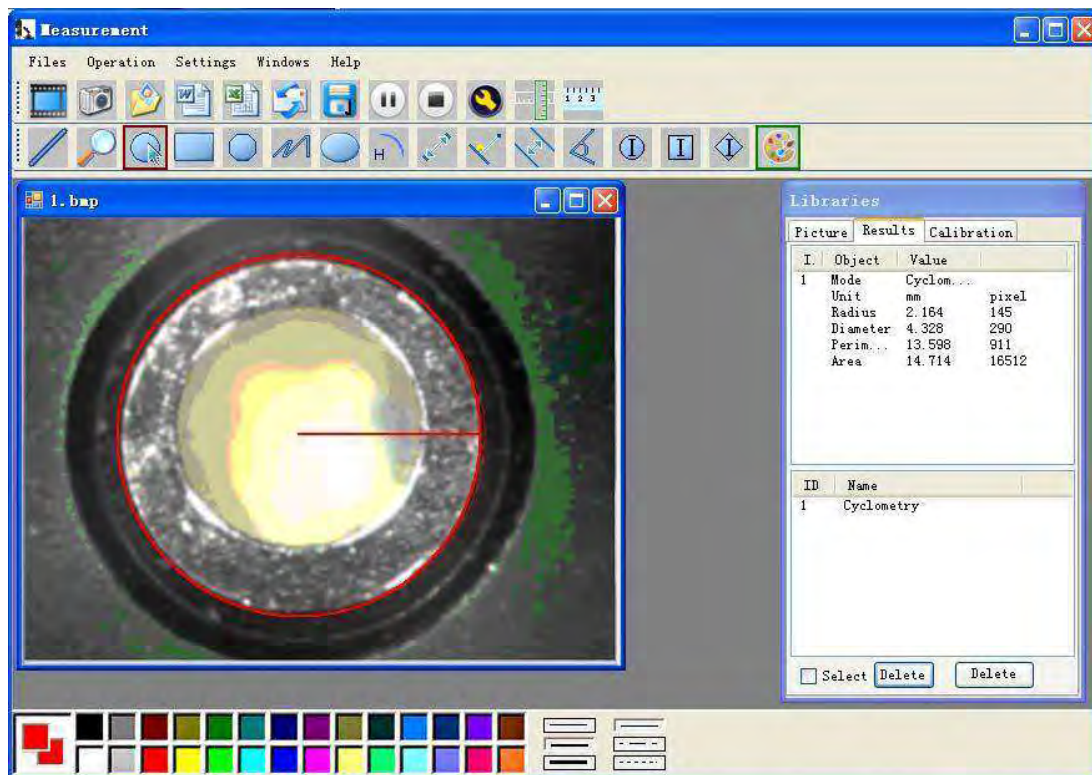
Per esempio 1
Misurazione linea:



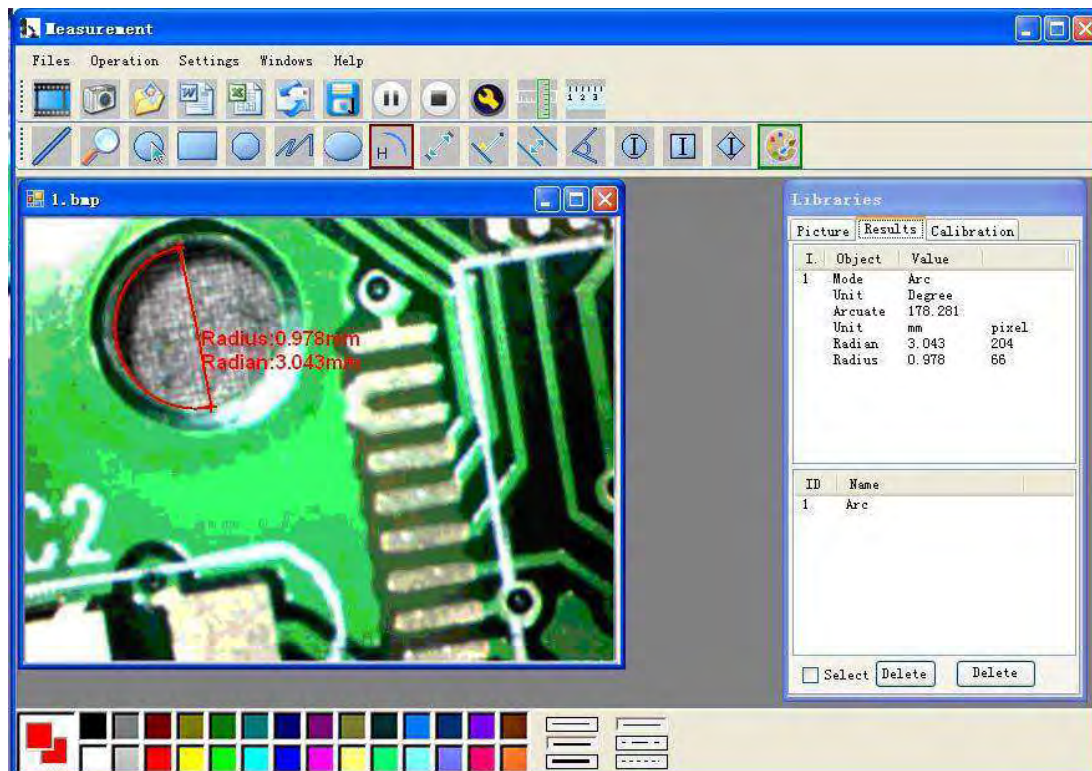
Per esempio 2
Misurazione rettangolo:



Per esempio 3
Misurazione cerchio:



Per esempio 4
Misurazione arco:



Questo simbolo sul prodotto o nelle istruzioni significa che il vostro dispositivo elettrico o elettronico deve essere smaltito alla fine del suo utilizzo separatamente dai rifiuti comuni.

Ci sono sistemi di raccolta separati per il riciclaggio in UE.

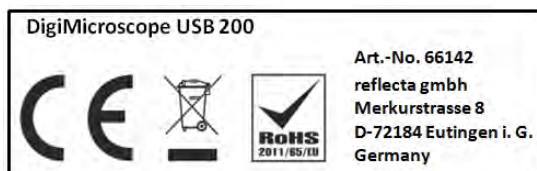
Per maggiori informazioni, vi preghiamo di contattare le autorità locali o il vostro rivenditori dove avete acquistato il prodotto.



reflecta DigiMicroscope USB 200

Manual de usuario

www.reflecta.de



Piezas del microscopio

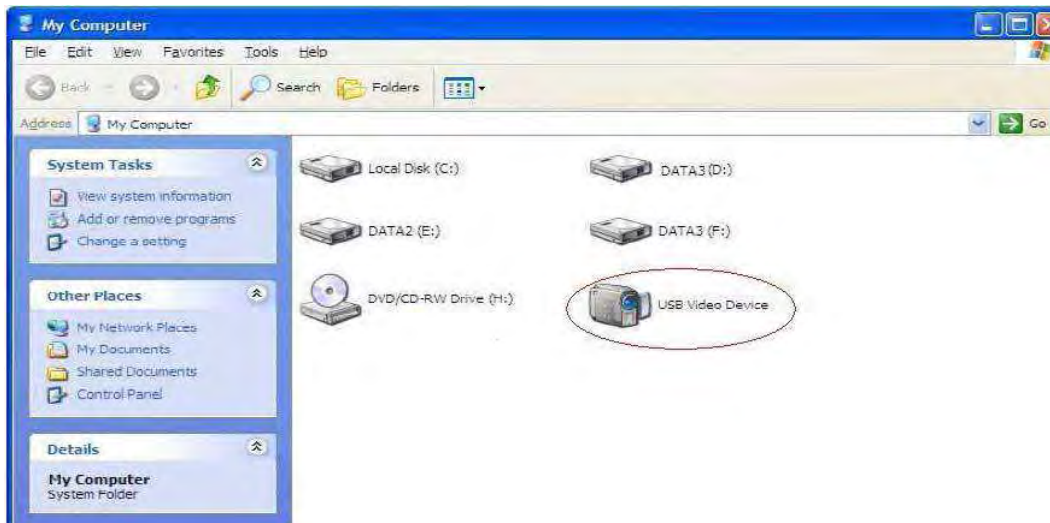


Notas antes de usar

1. No desmonte el microscopio digital ni cambie las piezas interiores, podría causar daños.
2. No limpie el microscopio con disolventes orgánicos a base de alcohol
3. No toque la lente con los dedos.
4. Evite usarlo en exteriores en la medida posible.
5. Temperatura de almacenamiento, 0 °C-40 °C, humedad: 45% HR-85% HR.
6. Si el producto se moja, desconéctelo inmediatamente del PC. No lo desmonte ni seque con un secador de pelo. Si el microscopio digital está afectado por líquidos u otros elementos, envíelo a un centro de mantenimiento.
7. Los datos de Measurement son sólo para su referencia.

Contenido del envío

- Microscopio digital con conexión USB
- Soporte
- CD de software
- Guía de Inicio Rápido
- Regla de calibración



Requisitos del sistema de hardware

Windows XP, VISTA, WIN7, WIN8, WIN10 Pentium 1G, Celeron, AMD 1 GHz, o superior, 128 MB de memoria, 150 MB de espacio en disco duro, VGA de 16 bits o superior, CD-ROM, USB 2.0 o USB 1.1.

Cómo instalar el controlador

El Microscopio Digital es un producto sin controladores, puede funcionar inmediatamente después de conectarlo a un ordenador con sistema operativo Win 2000 o superior.

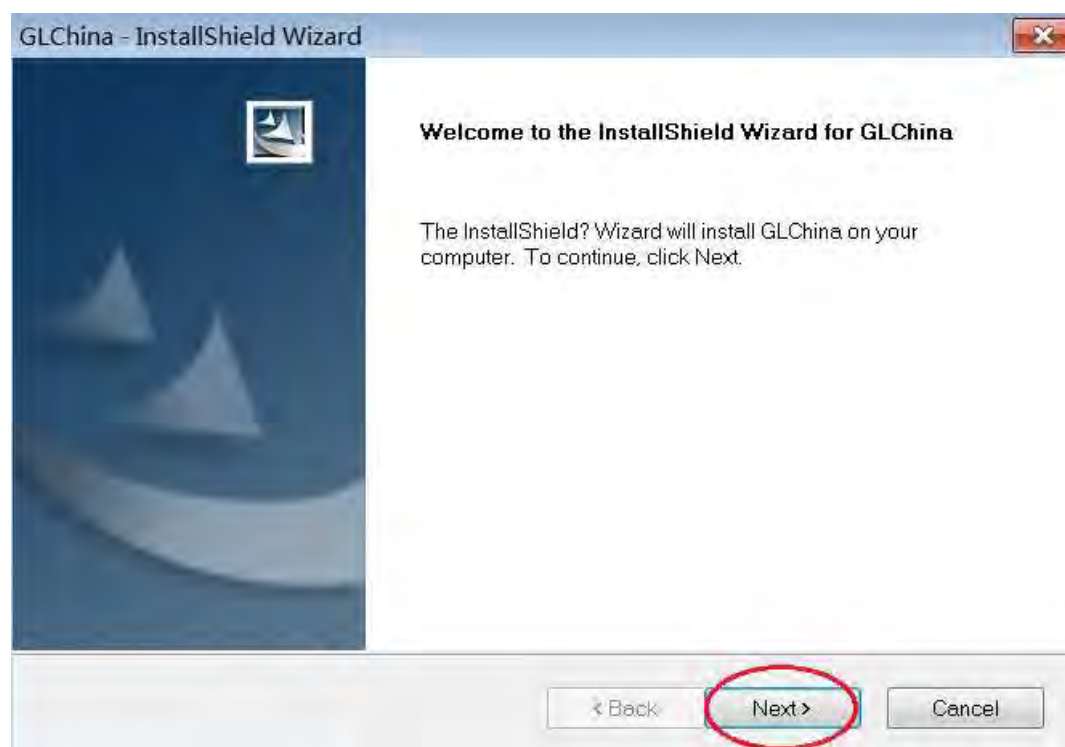
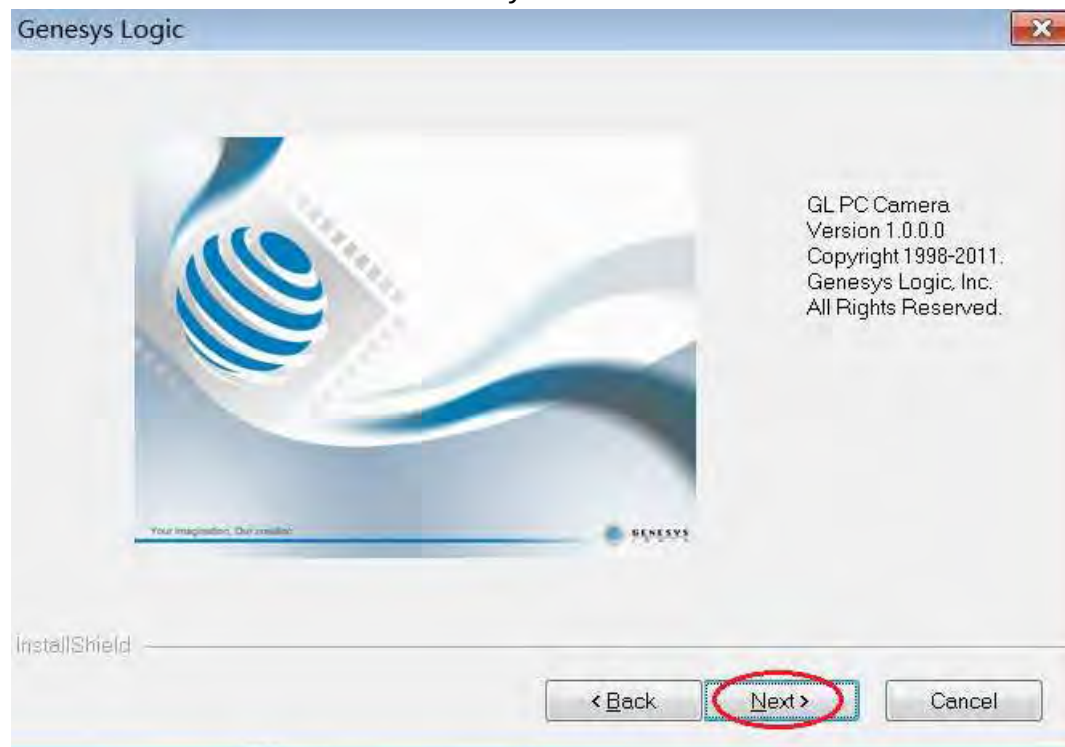
1. Conecte el microscopio digital portátil a su ordenador con un cable USB 2.0, haga doble clic en el icono “Mi PC” del escritorio del ordenador y aparecerá la siguiente interfaz.
2. Haga doble clic en el icono del dispositivo de vídeo de su ordenador como se indica arriba en rojo. Ahora está listo para usarlo.

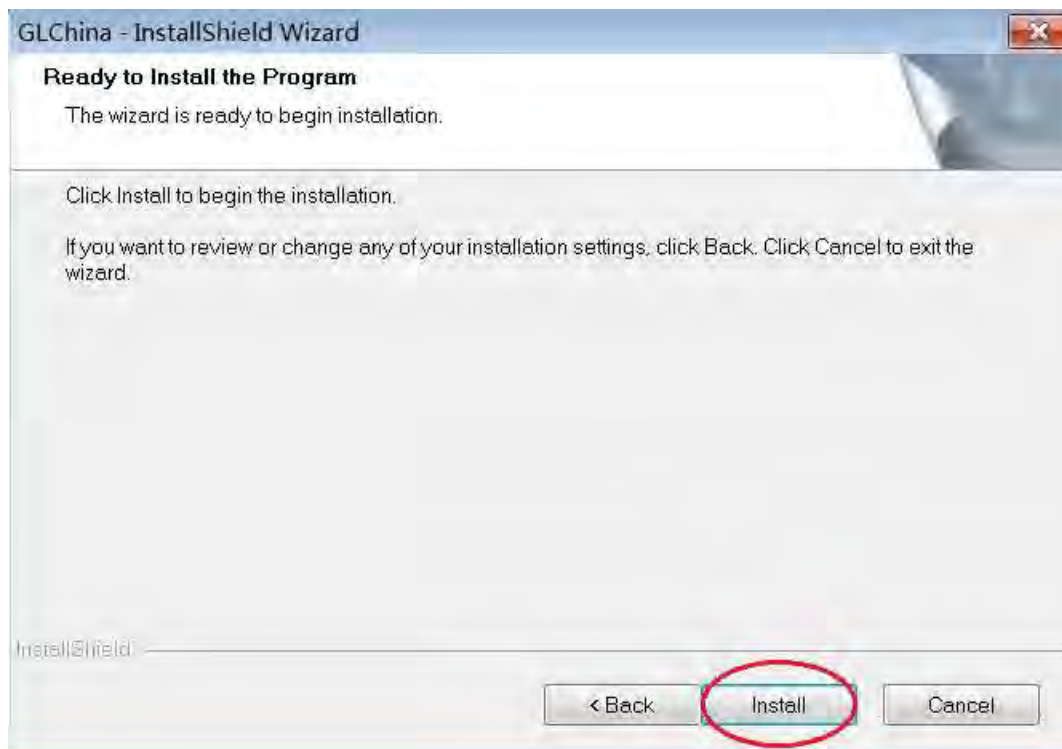
Si no puede encontrar el dispositivo de vídeo, o si su ordenador no lo reconoce, siga los pasos indicados a continuación para instalar el controlador.

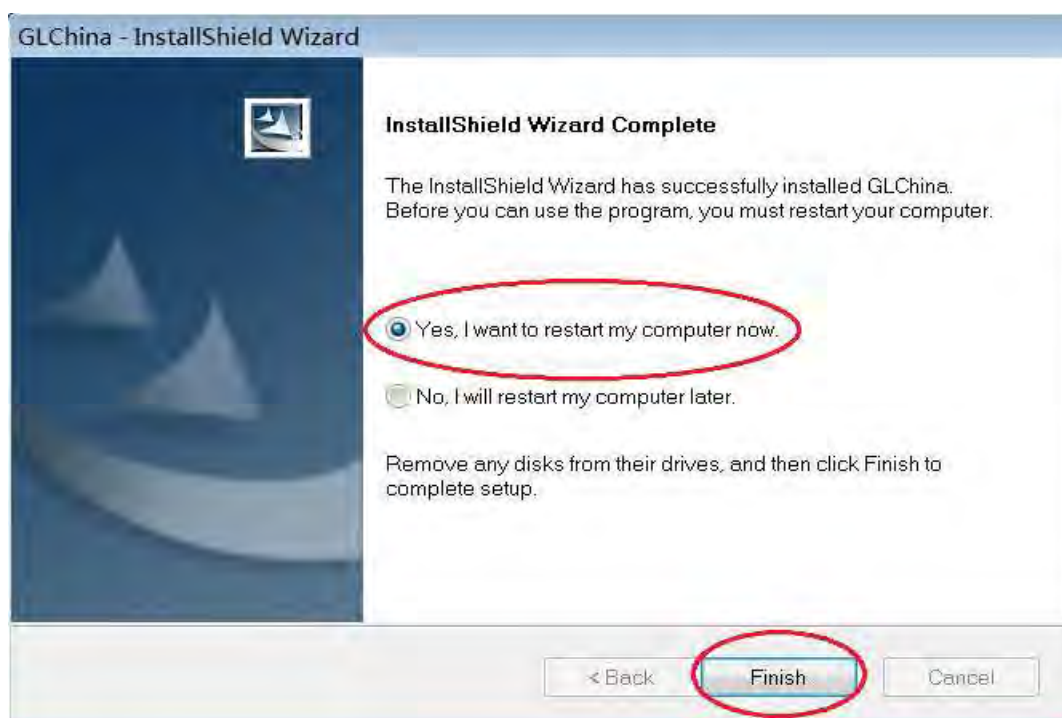
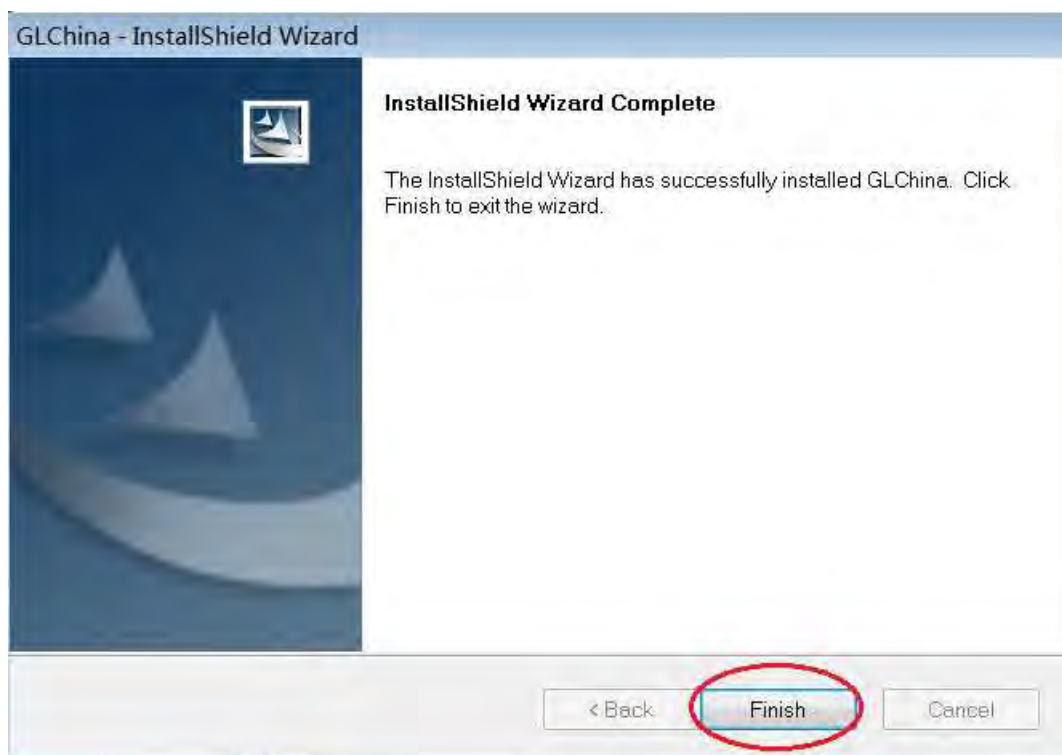
Inserte el CD adjunto, abra “Mi PC” y haga doble clic en el “Lector de DVD/CD” para abrir el CD.

Instalación del controlador

Selecione e instale el controlador y reinicie el ordenador







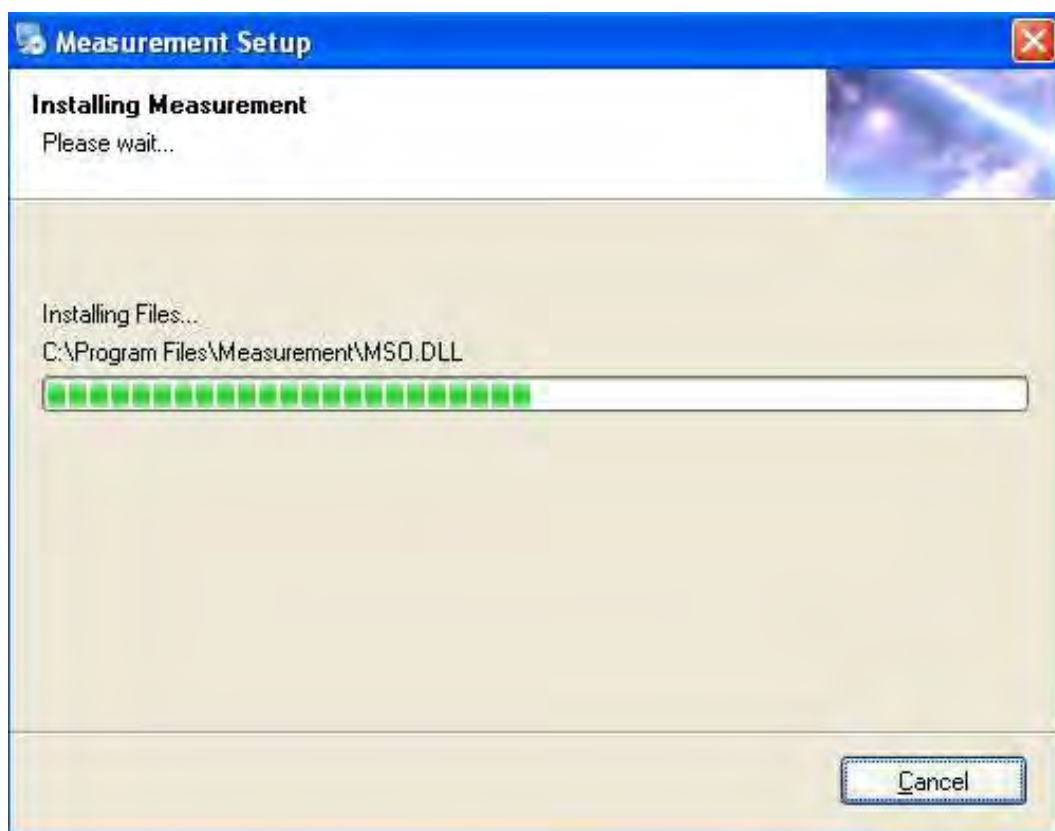
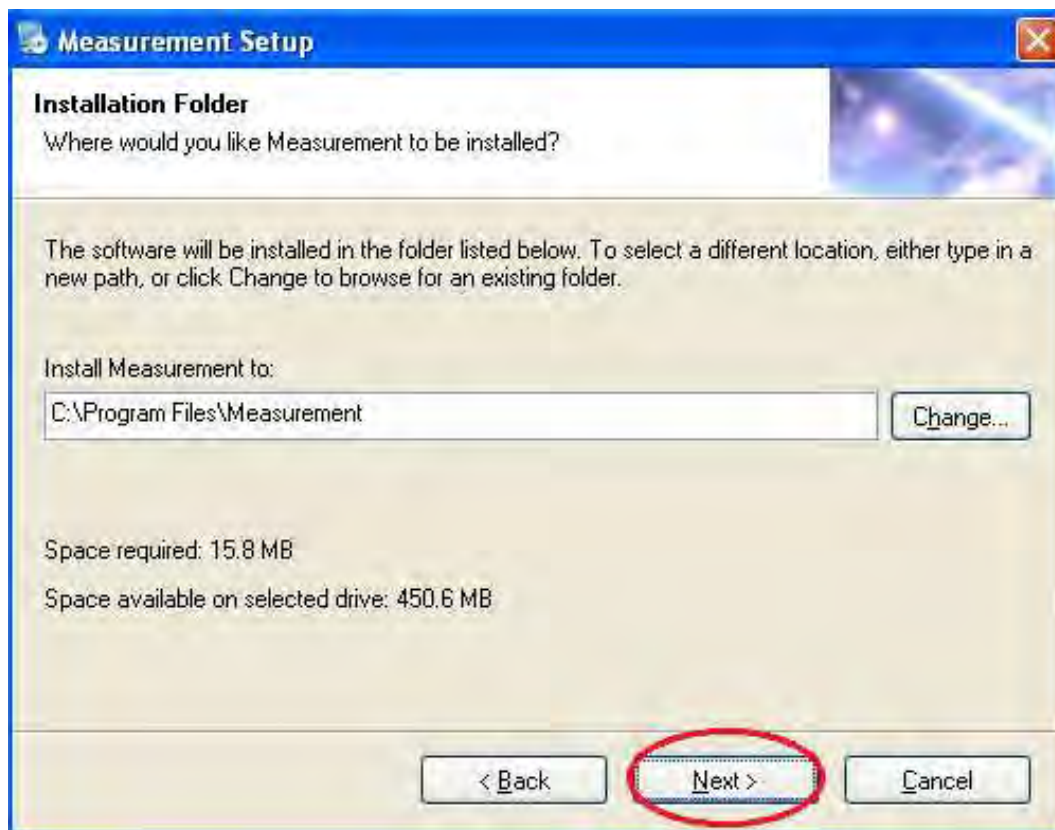
Reinicie el ordenador cuando termine de instalar el controlador;
Es posible que el software antivirus bloquee la instalación, seleccione que el software antivirus permita todos los procesos o cierre el antivirus antes de la instalación. Si la instalación se completa correctamente, podrá ver el icono  en la barra de herramientas y también el icono del software en el escritorio. Haga doble clic en él para ejecutarlo.

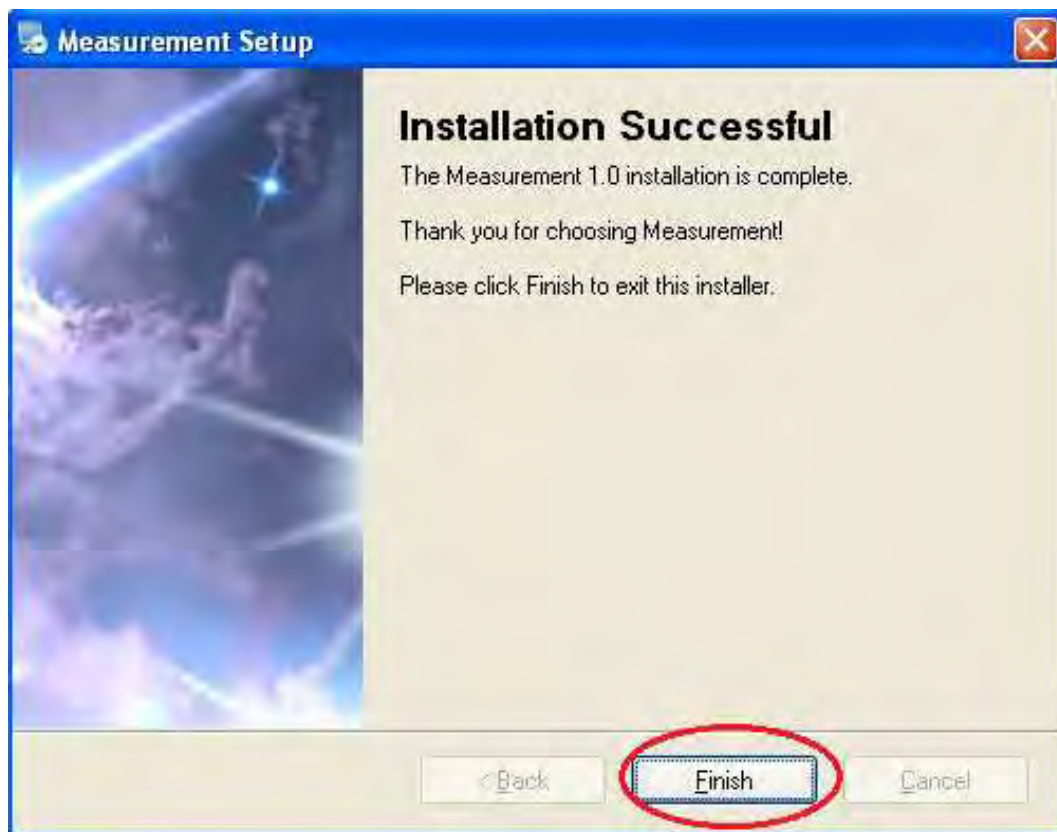


Ahora puede usar el microscopio. Mantenga pulsado el botón SNAP para tomar imágenes, y el botón ZOOM para usar la función de zoom digital.

Instalación de Medición

Seleccione e instale la Medición

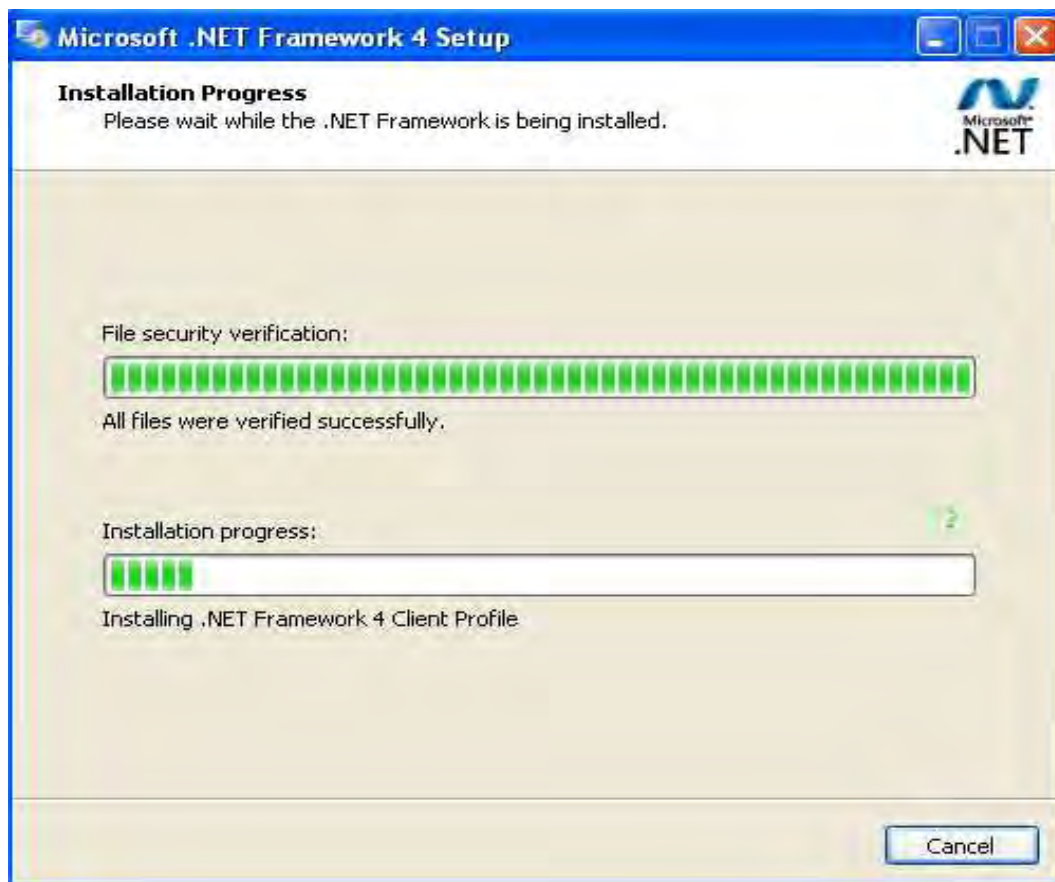


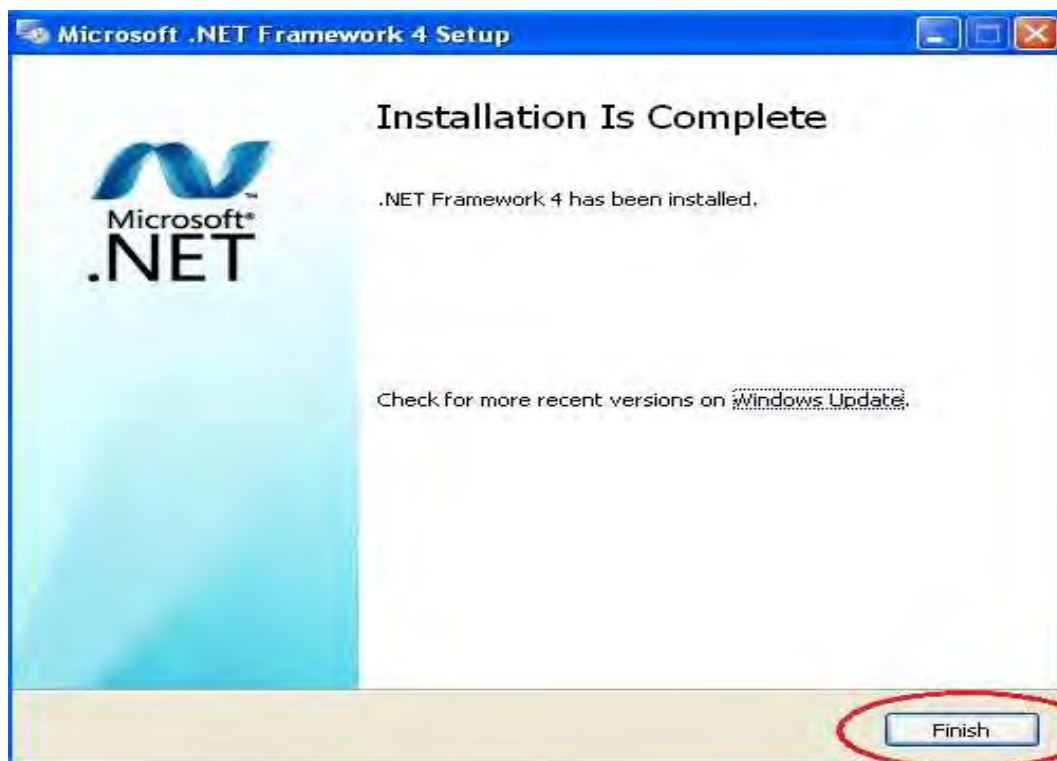


Haga doble clic en “Finish” para completar la instalación.

Instalación de Microsoft .NET Framework

Si el PC usa Windows XP o una versión anterior, es necesario .Net Framework 4.0. Instálelo.

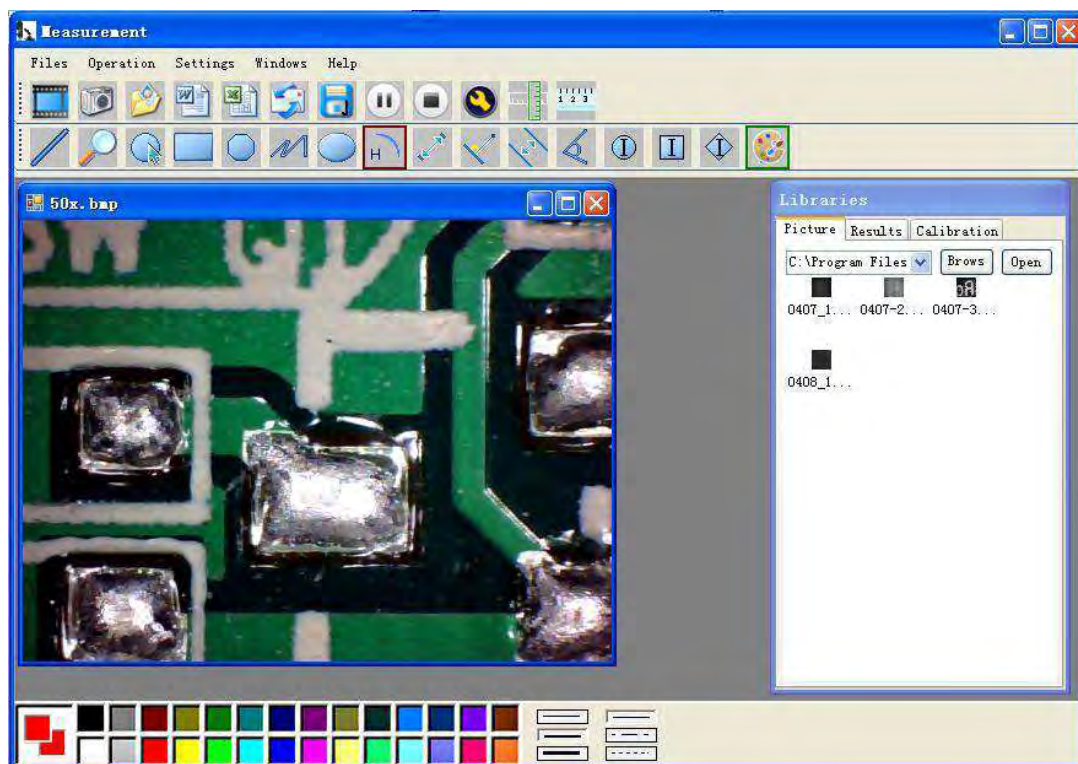




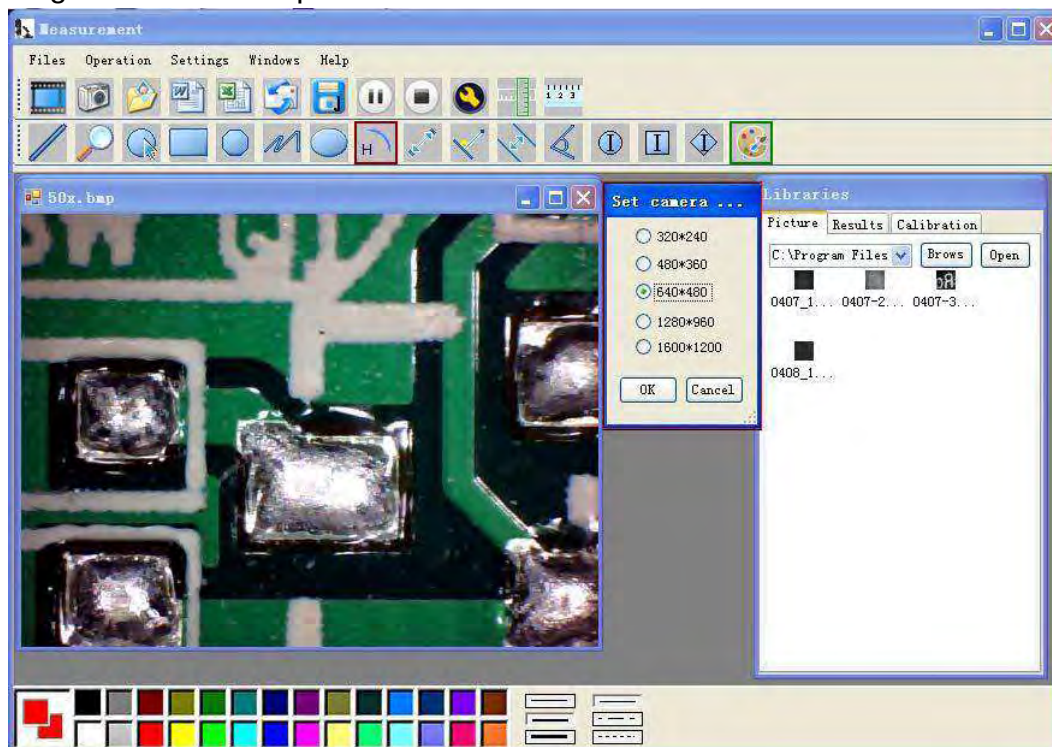
Cuando se complete la instalación, haga doble clic en  en el escritorio del ordenador para empezar a usar el software.



Conecte los dispositivos y aparecerá la ventana de funcionamiento

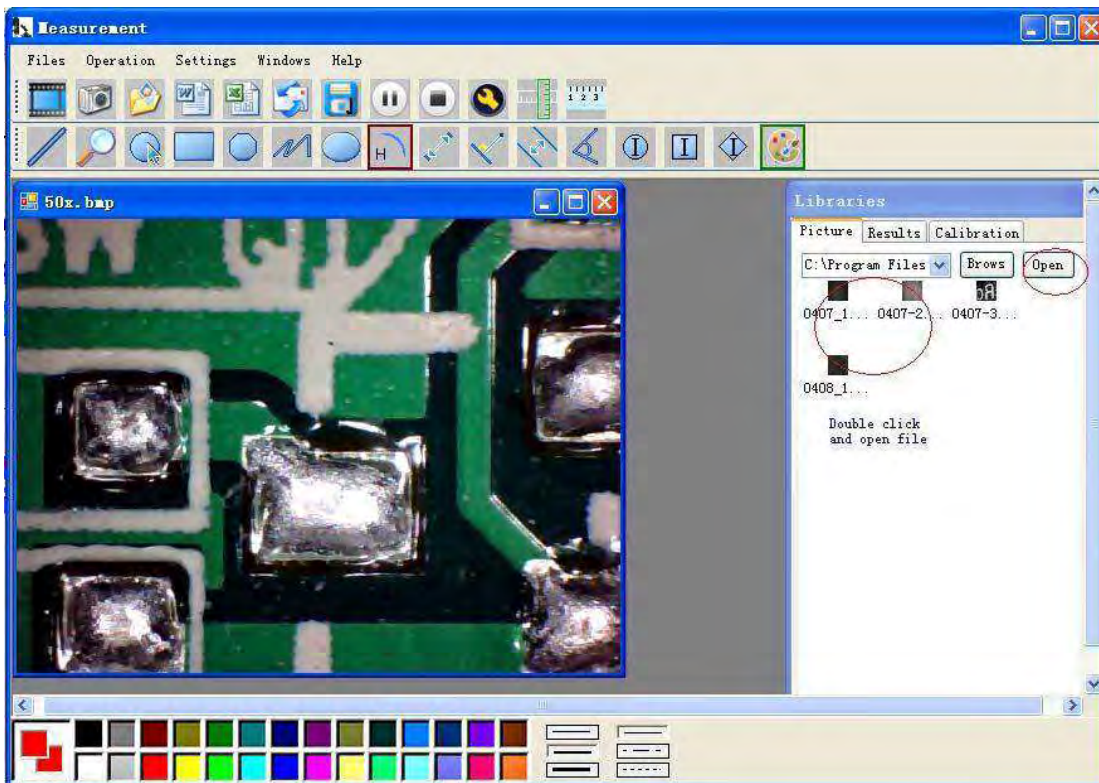


Haga clic en para abrir el sistema de funcionamiento

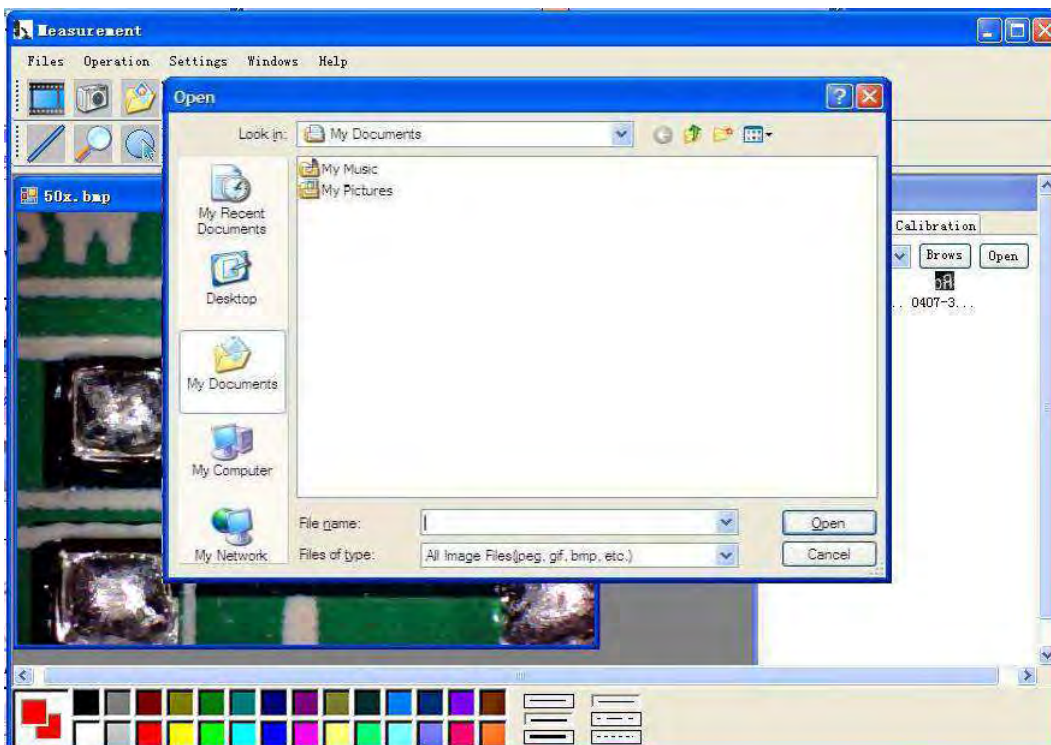


Elija una resolución de imagen entre 320x240 y 1600x1200. El modo VGA predeterminado es 640x480

Haga clic en  para usar la función de medición.



Haga clic en  para abrir imágenes, y haga clic en  para guardar imágenes

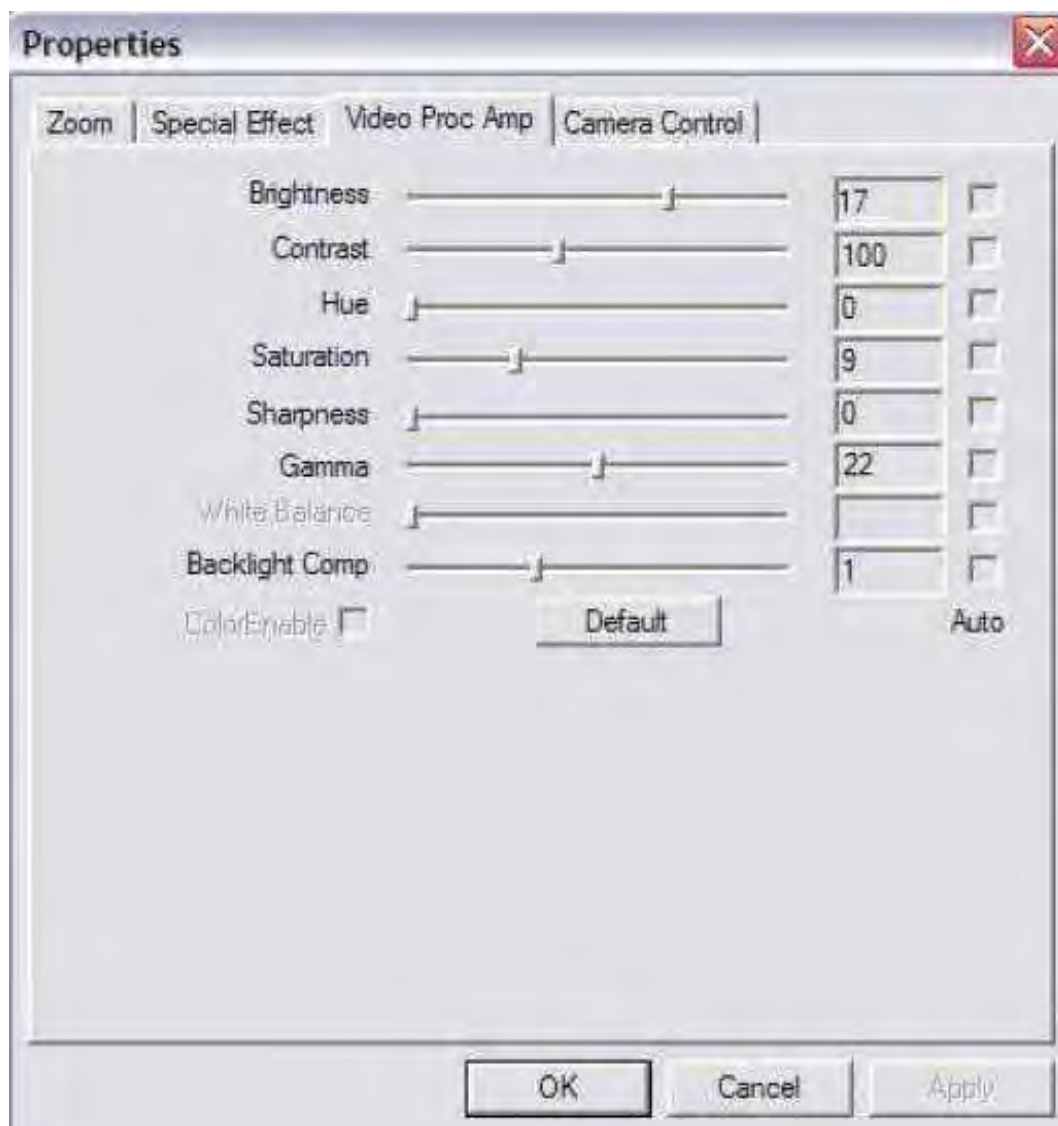




Reproducción/Pausa, Detener vídeo



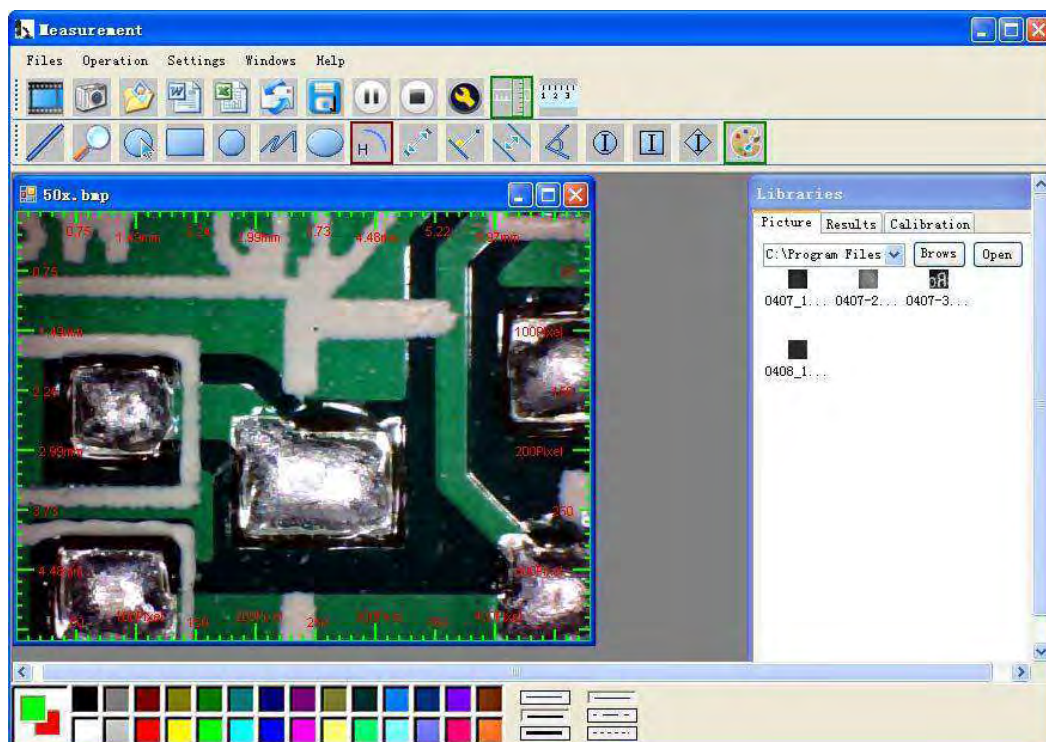
Parámetro de imagen incluyendo configuración de imagen y efectos especiales



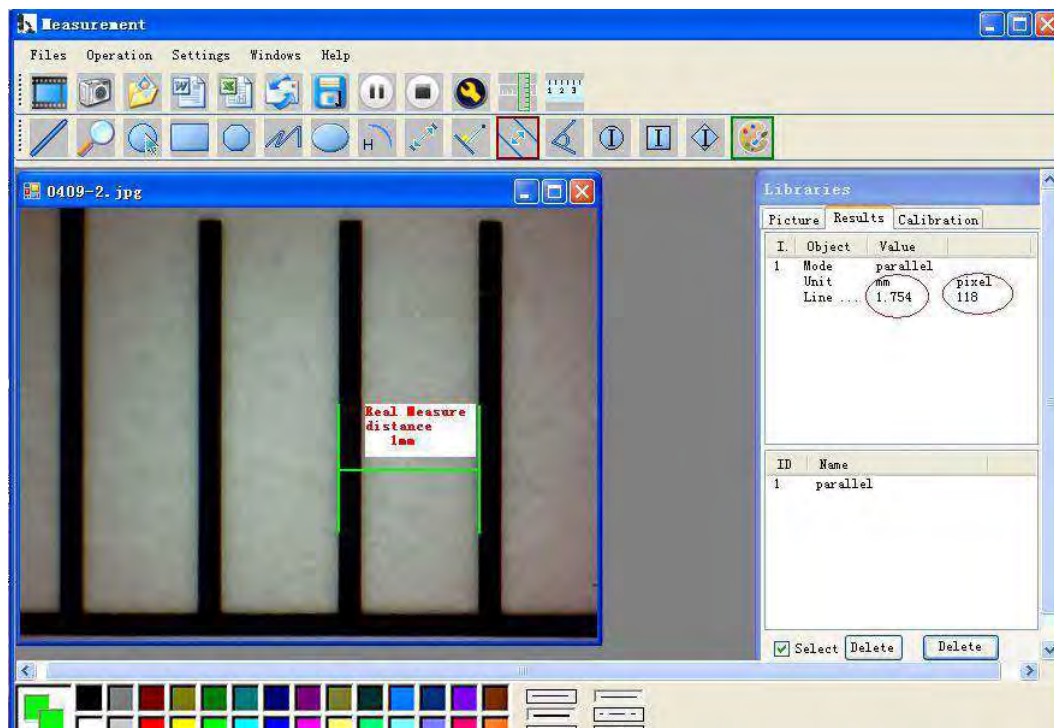
Amplificador



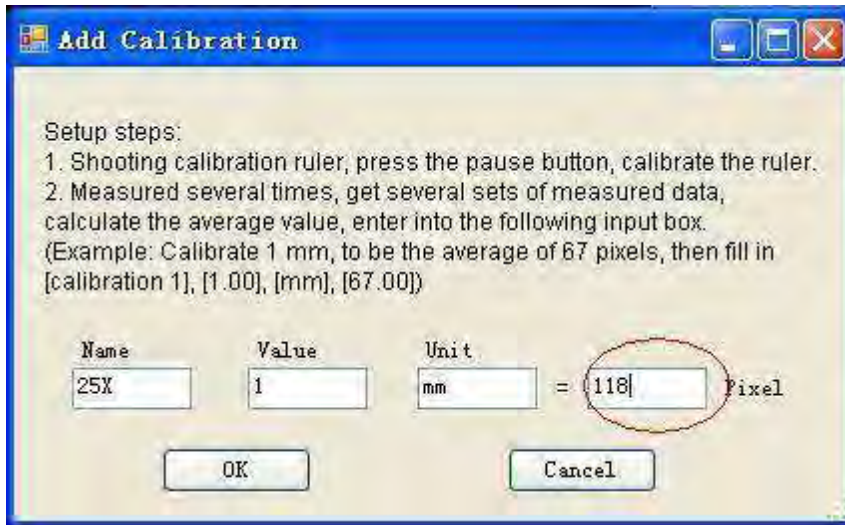
Haga clic en Regla, como se indica a continuación



Haga clic en  para iniciar la calibración y comprobar que tenga cierta precisión. Según nuestra experiencia, la medición puede controlarse con un 99% de precisión. La tolerancia de medición puede estar provocada por una distorsión o hipermetropía del ojo humano. Practicar es útil para ayudarle a hacer las mediciones.



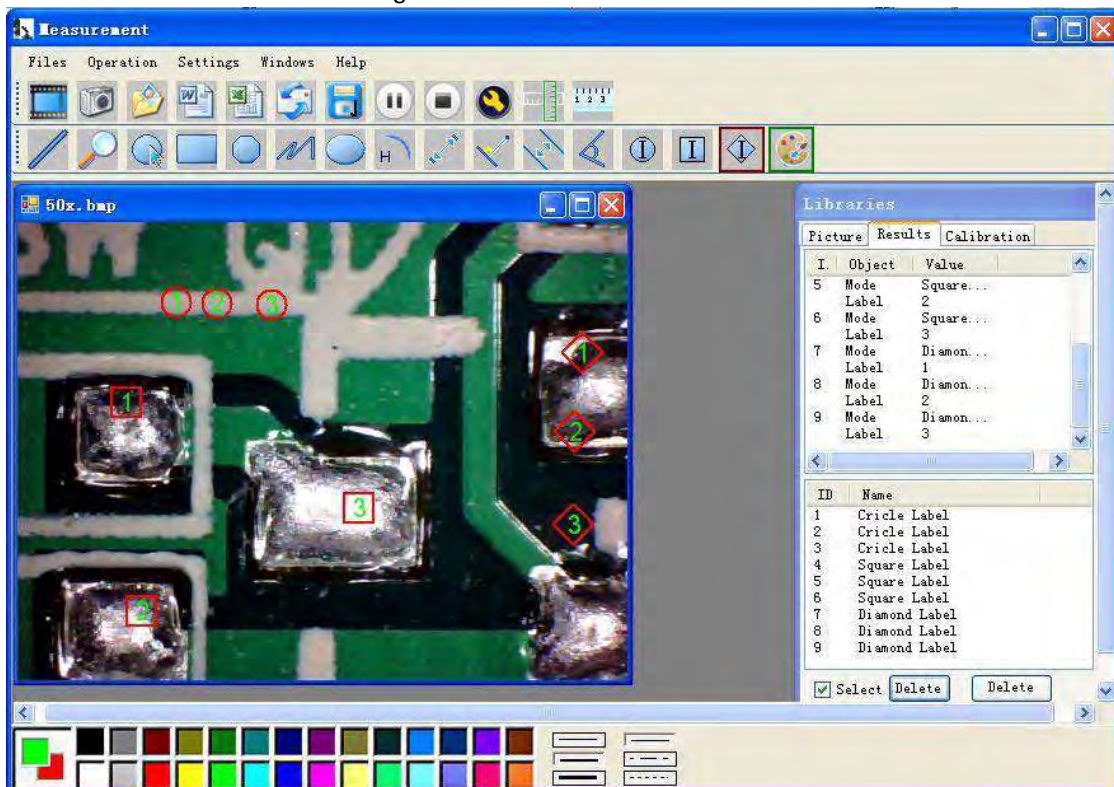
Introduzca los datos de la Medición (Píxel), Unidad, y haga clic en “OK”



Advertencia: Vuelva a realizar la calibración cuando haya cambiado la tasa de aumento.



Configuración de color del carácter mostrado



Haga clic en para exportar a formato Word o Excel.

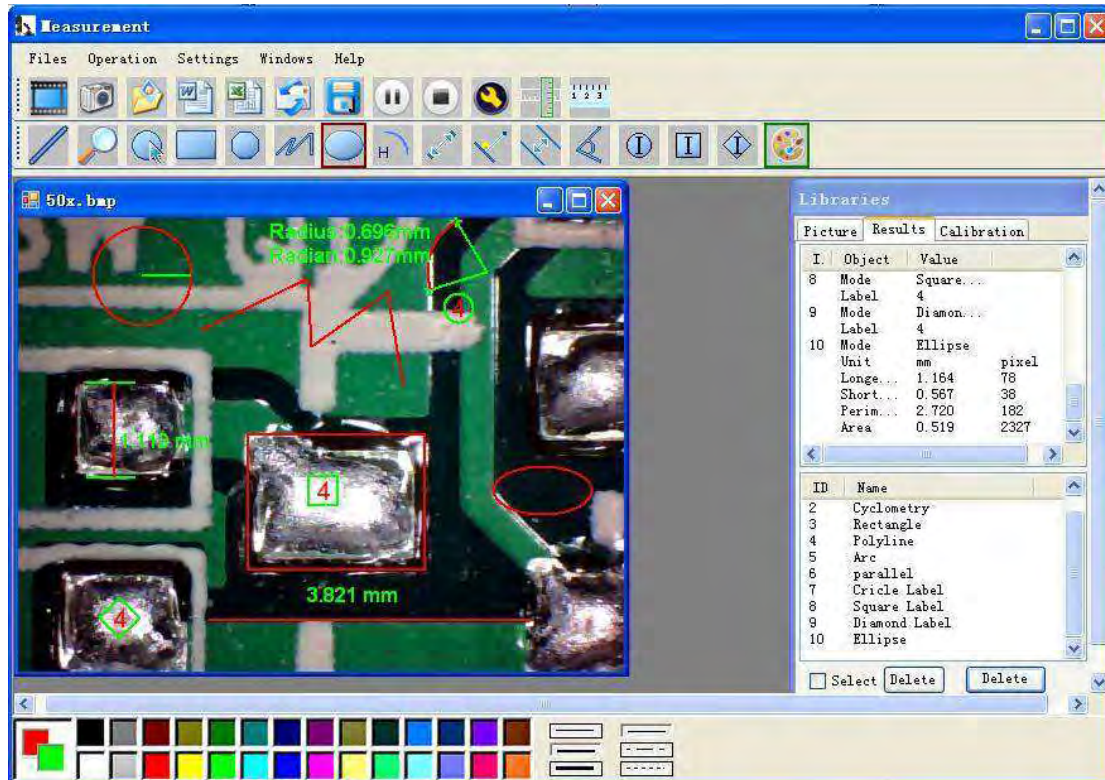
Ejemplo: Datos de medición en archivo Word



De izquierda a derecha:

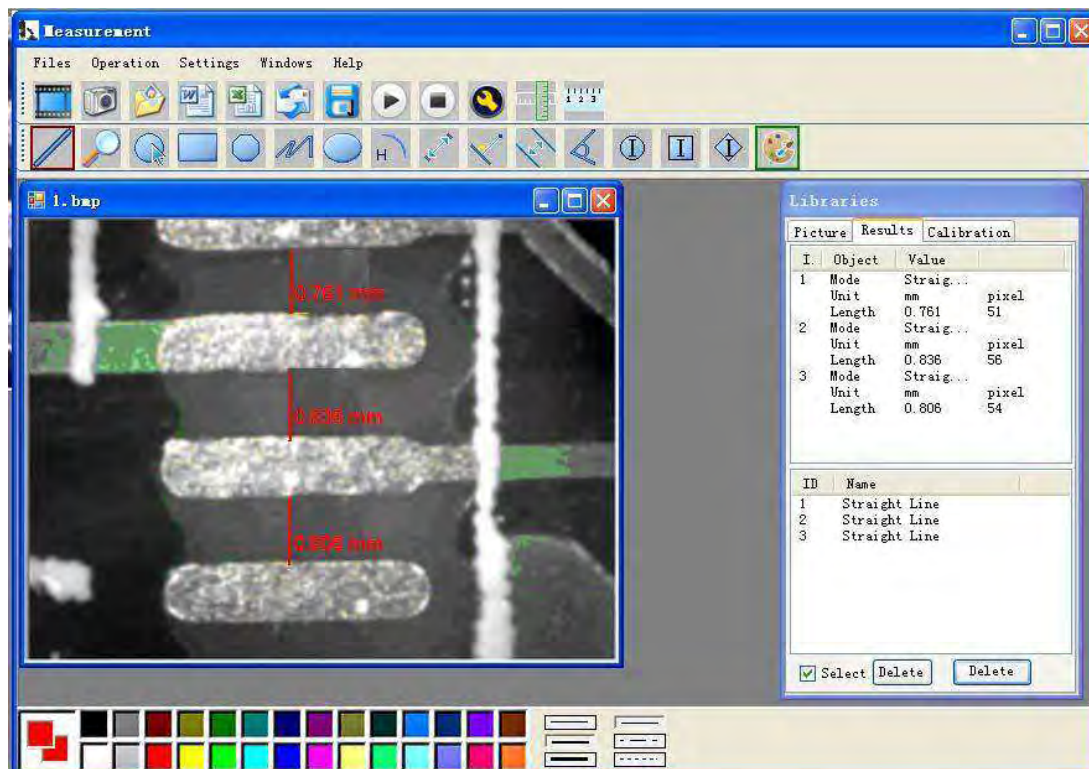


Línea, Anillo, Cuadrado, Polígono, Longitud de línea, Óvalo, Arco, distancia punto a punto, distancia punto a línea, Línea paralela, Ángulo



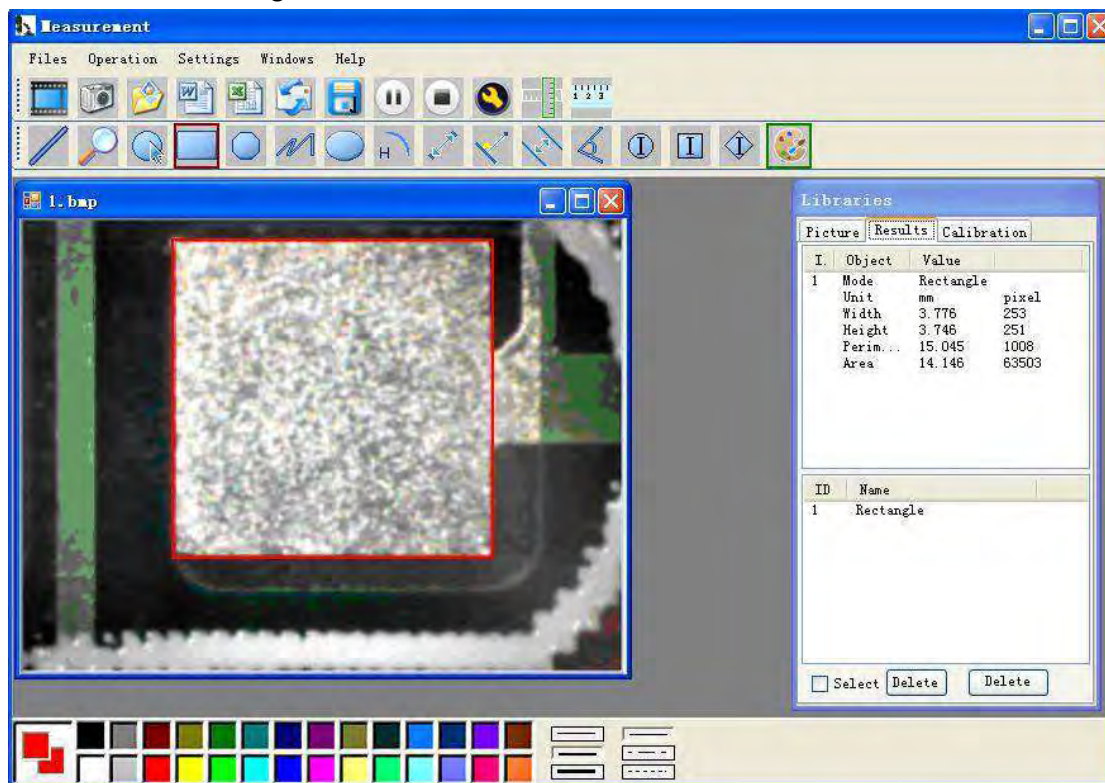
Ejemplo 1

Medición de línea:



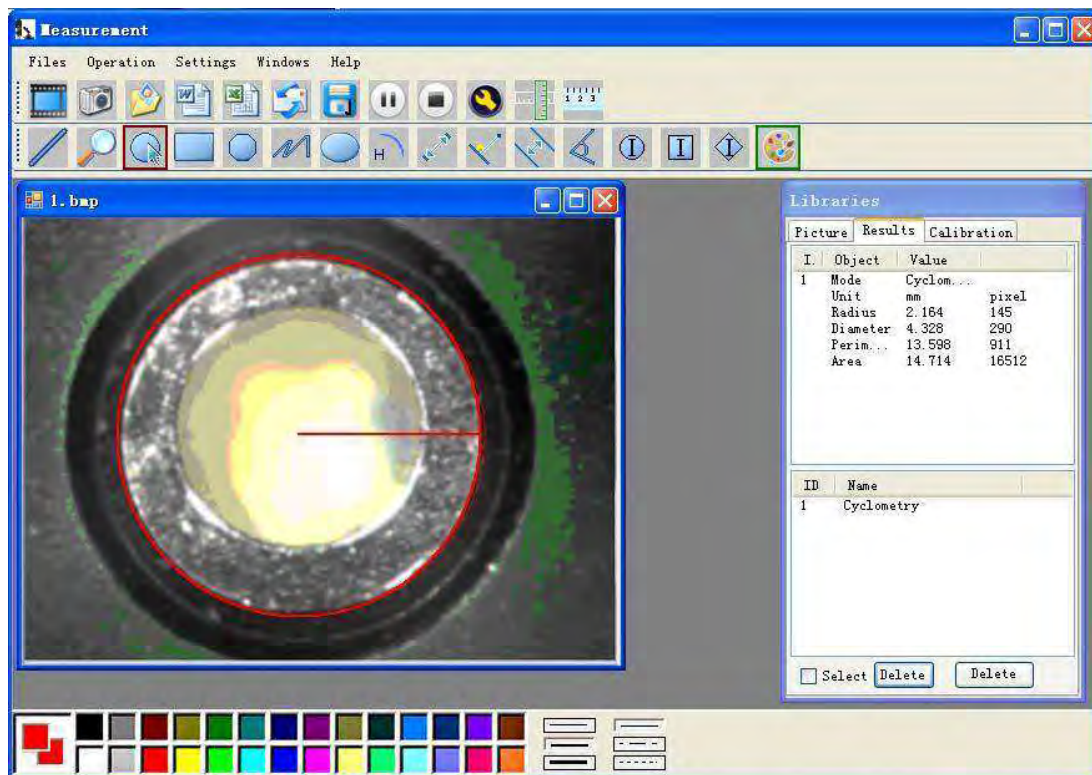
Ejemplo 2

Mediciones rectangulares:



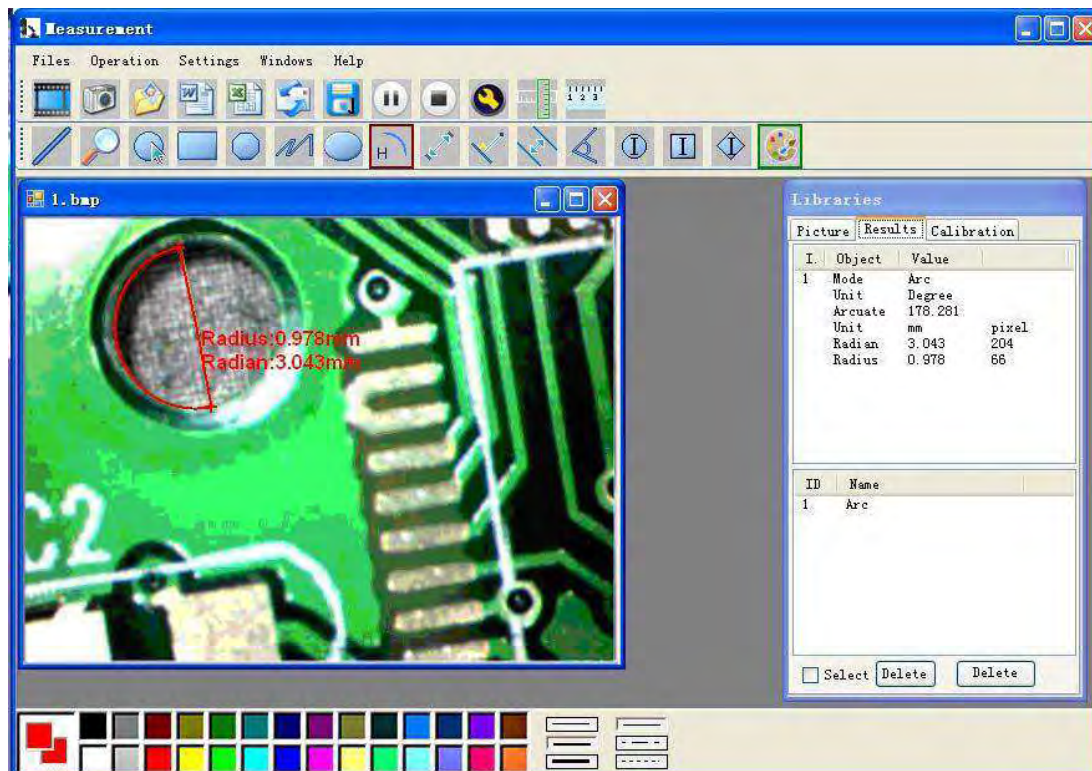
Ejemplo 3

Mediciones de anillo:



Ejemplo 4

Mediciones de arco:



Este símbolo sobre el producto o en las instrucciones significa que su equipo eléctrico y electrónico debe eliminarse al final de su vida útil de manera separada del resto de su basura doméstica.

Existen sistemas separados de recogida para reciclaje en la UE.

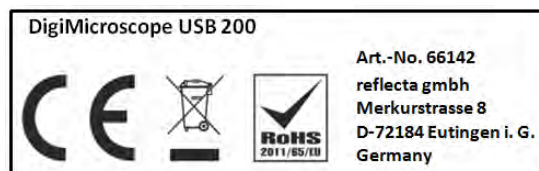
Para más información, por favor contacte con la autoridad local o con el distribuidor donde compró el producto.



reflecta DigiMicroscope USB 200

Gebruiksaanwijzing

www.reflecta.de



Onderdelen van de microscoop

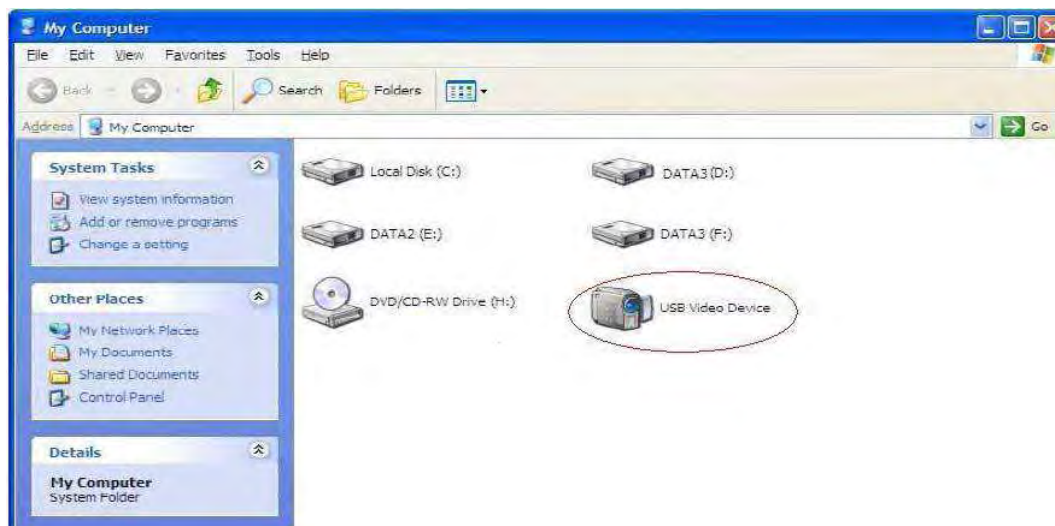


Opmerkingen voor gebruik

1. Demonteer de digitale microscoop niet en verwissel geen inwendige onderdelen, dit kan leiden tot schade.
2. Maak de microscoop niet schoon met organische oplosmiddelen van alcohol
3. Raak de lens niet met uw vingers aan.
4. Vermijd gebruik buitenshuis indien mogelijk.
5. Opslagtemperatuur 0 °C ~ 40 °C, Vochtigheid: 45%RV ~ 85RV%.
6. Wanneer het product nat is geworden, verbreek dan onmiddellijk de verbinding met de PC. Niet demonteren of met een haardroger drogen. Stuur de digitale microscoop naar het reparatiecentrum indien deze is aangetast door vloeistof of andere elementen.
7. Meetgegevens enkel ter referentie.

Leveringsomvang

- Digitale microscoop met USB-interface
- Standaard
- Software CD
- Snelstarthandleiding
- Kalibratieliniaal



Systeemvereisten voor hardware

Windows XP, VISTA, WIN7, WIN8, WIN10 Pentium 1G, Celeron, AMD 1G & hoger, 128MB Geheugen, 150MB Hardschijfruimte, 16-bit & hoger VGA, CD-ROM, USB2.0 of USB1.1.

Installeren van het stuurprogramma

De Digital Microscope is een product dat geen stuurprogramma vereist en werkt onmiddellijk wanneer deze wordt verbonden met een computer met een besturingssysteem Windows 2000 of hoger.

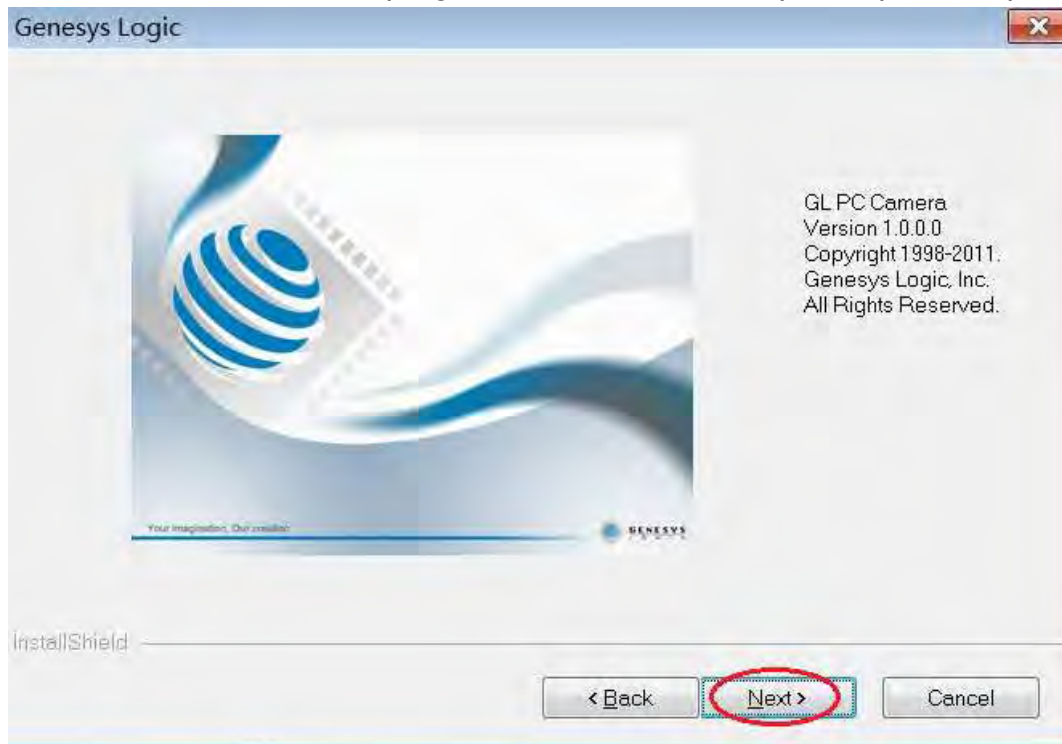
1. Sluit de draagbare digitale microscoop aan op de computer met een USB2.0-kabel, dubbelklik op het pictogram "Mijn Computer" op uw bureaublad, waarna de interface hieronder zal worden weergegeven.
2. Dubbelklik op het pictogram van het Videoapparaat zoals hierboven in het rood is gemarkeerd. Het is nu klaar voor gebruik.

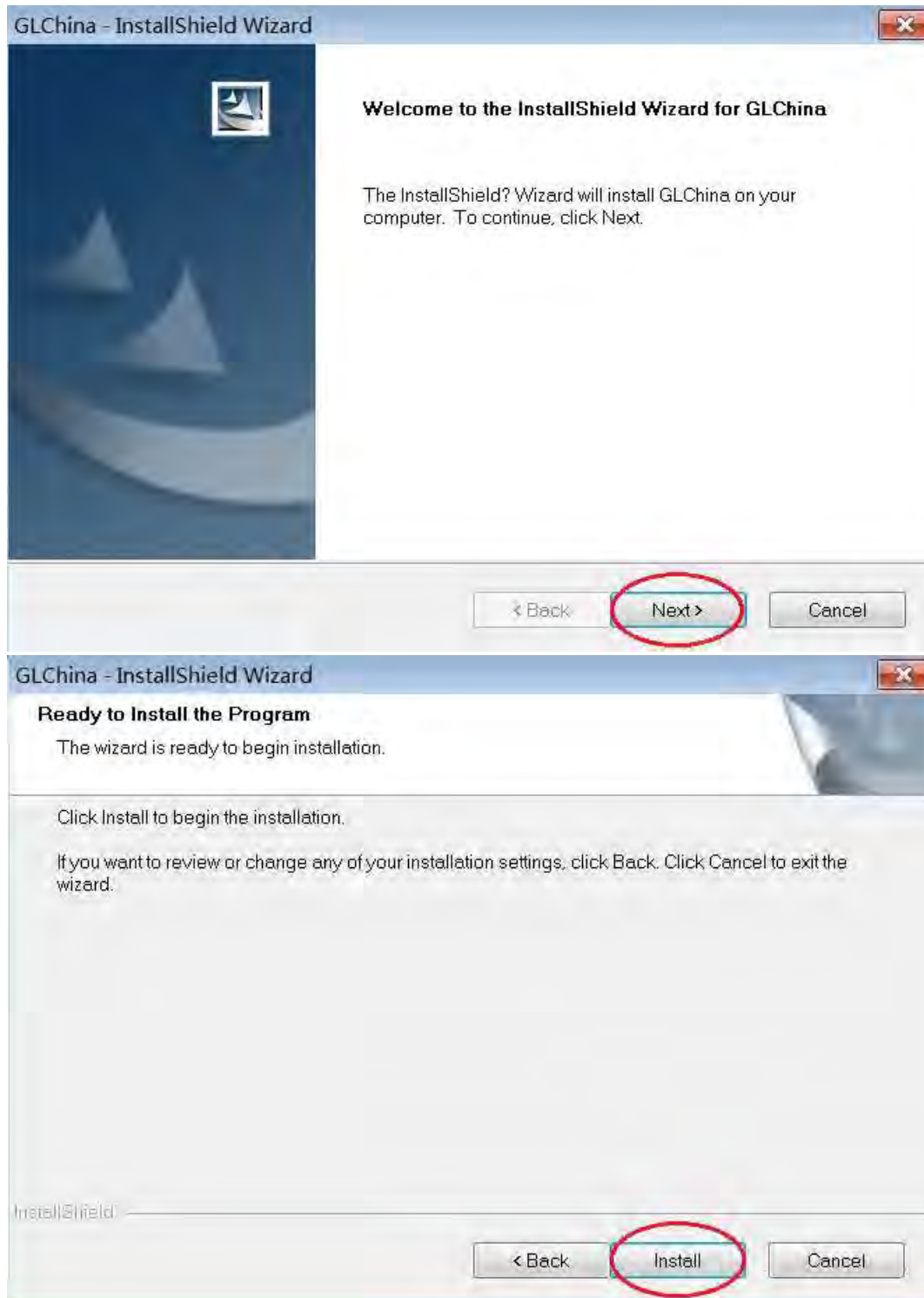
Wanneer u het Videoapparaat niet kunt vinden, of als uw computer deze niet herkent, volg dan de stappen hieronder om het stuurprogramma te installeren.

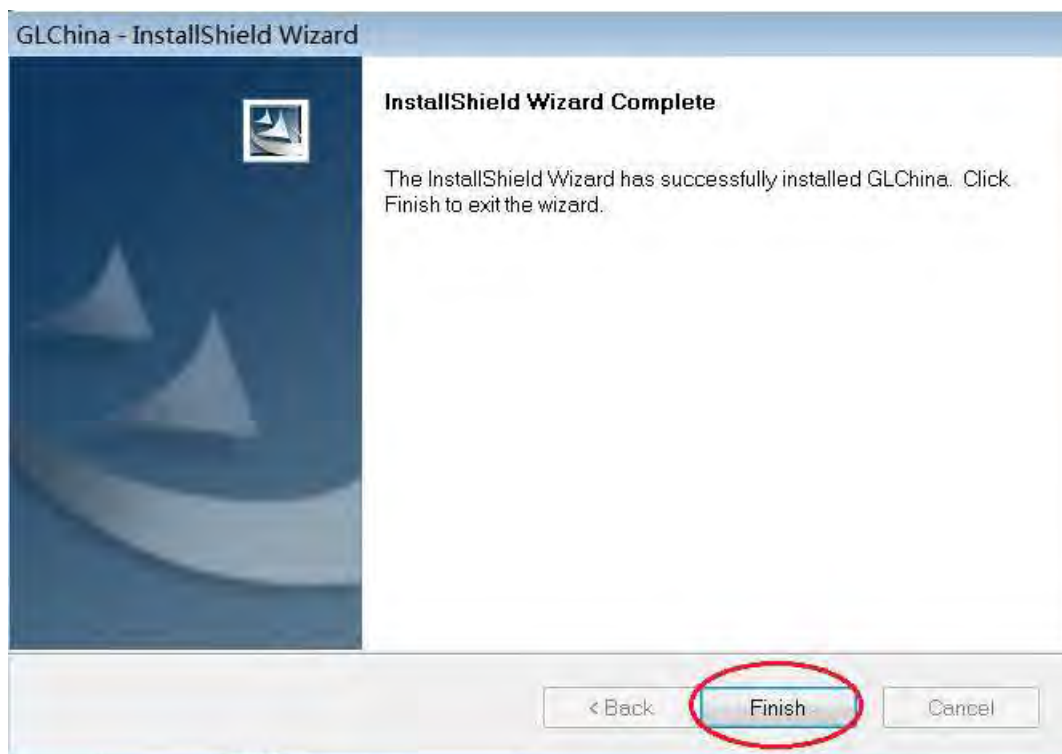
Plaats de meegeleverde CD in uw CD-romspeler, open "Mijn Computer" en dubbelklik op de "DVD/CD Driver" om de CD te openen.

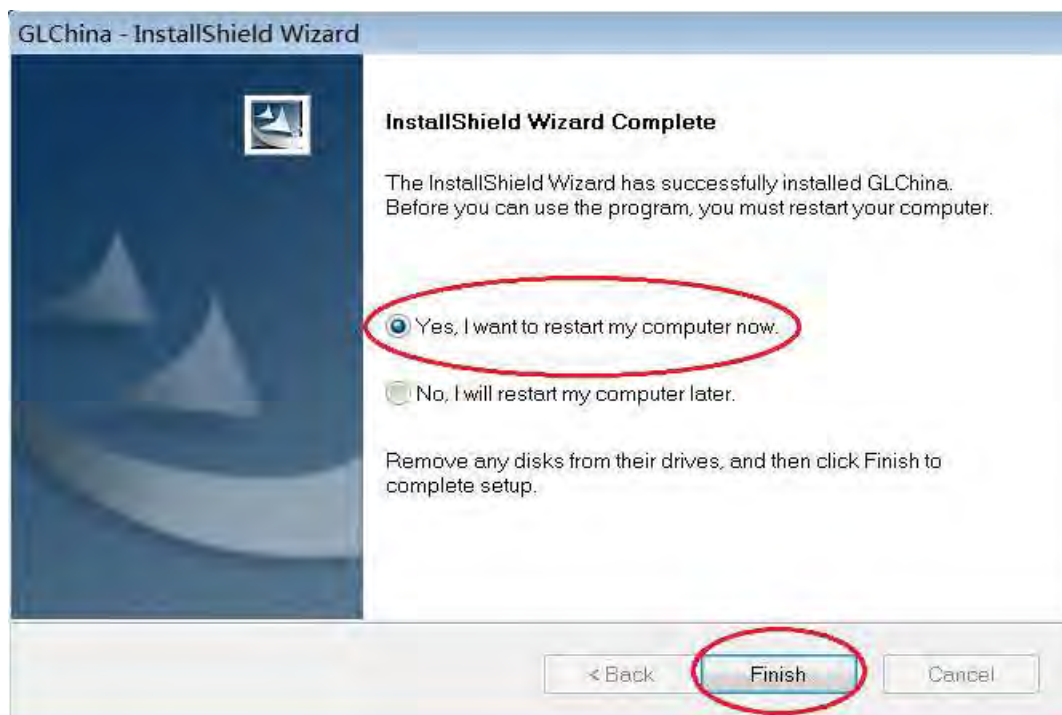
Installatie van het stuurprogramma

Kies en installeer het stuurprogramma en start de computer opnieuw op

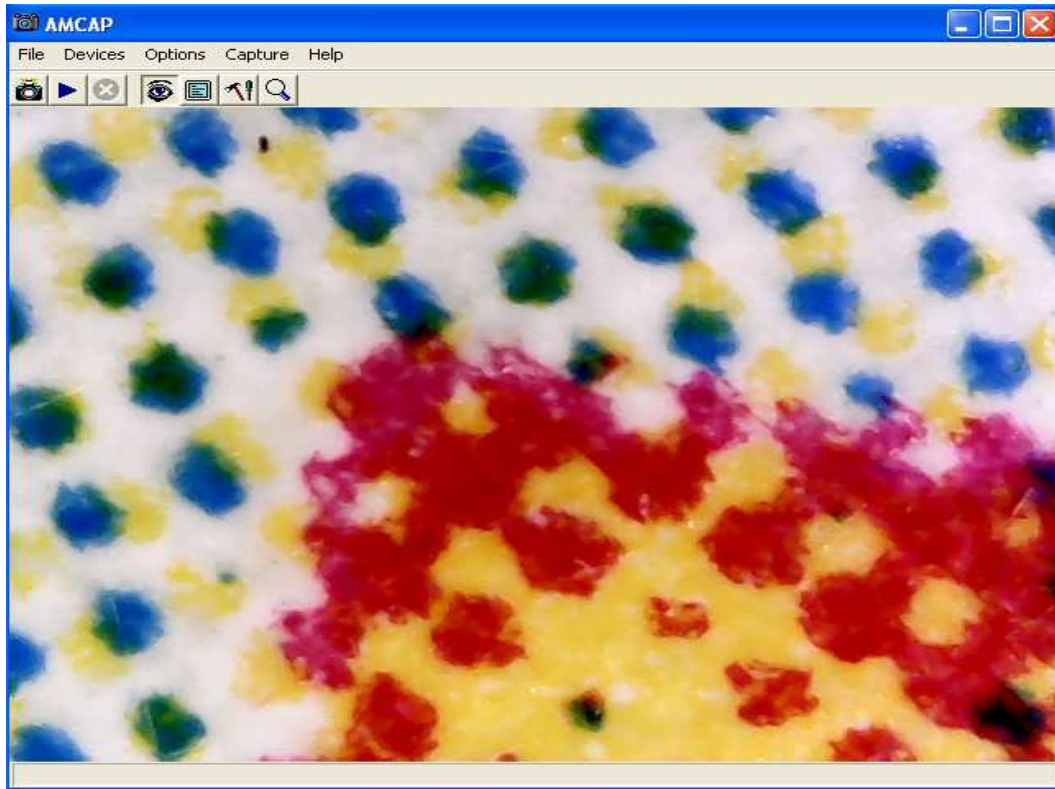








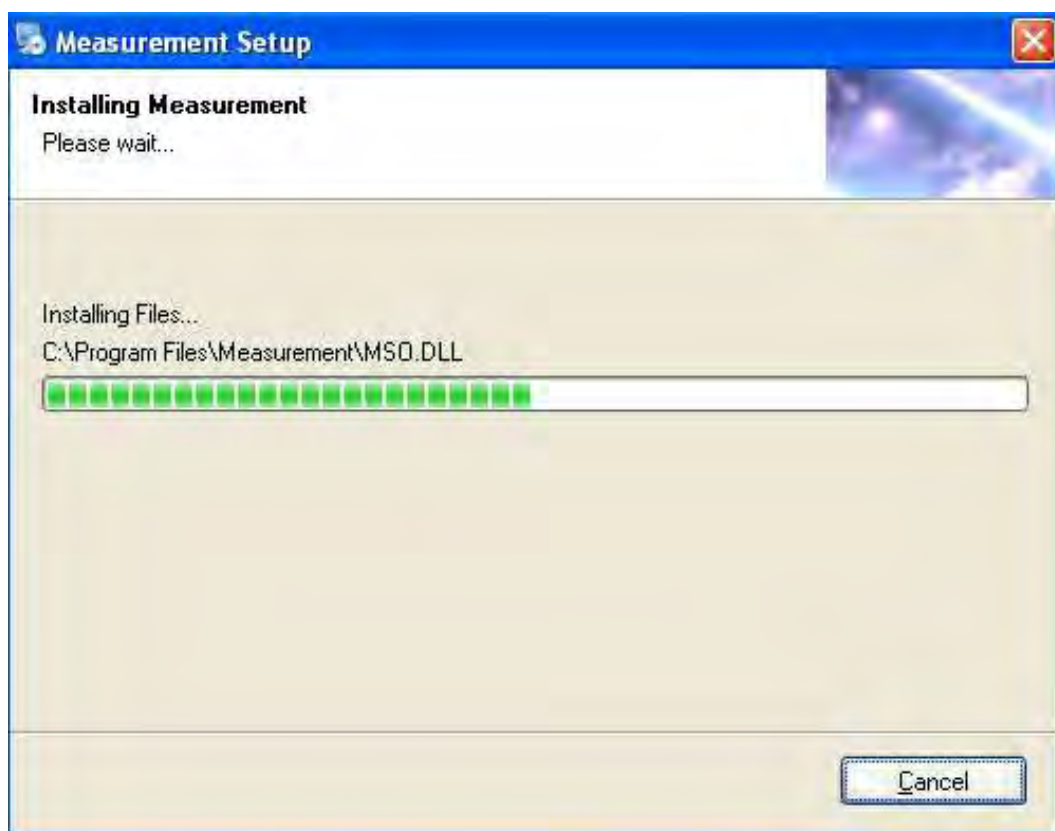
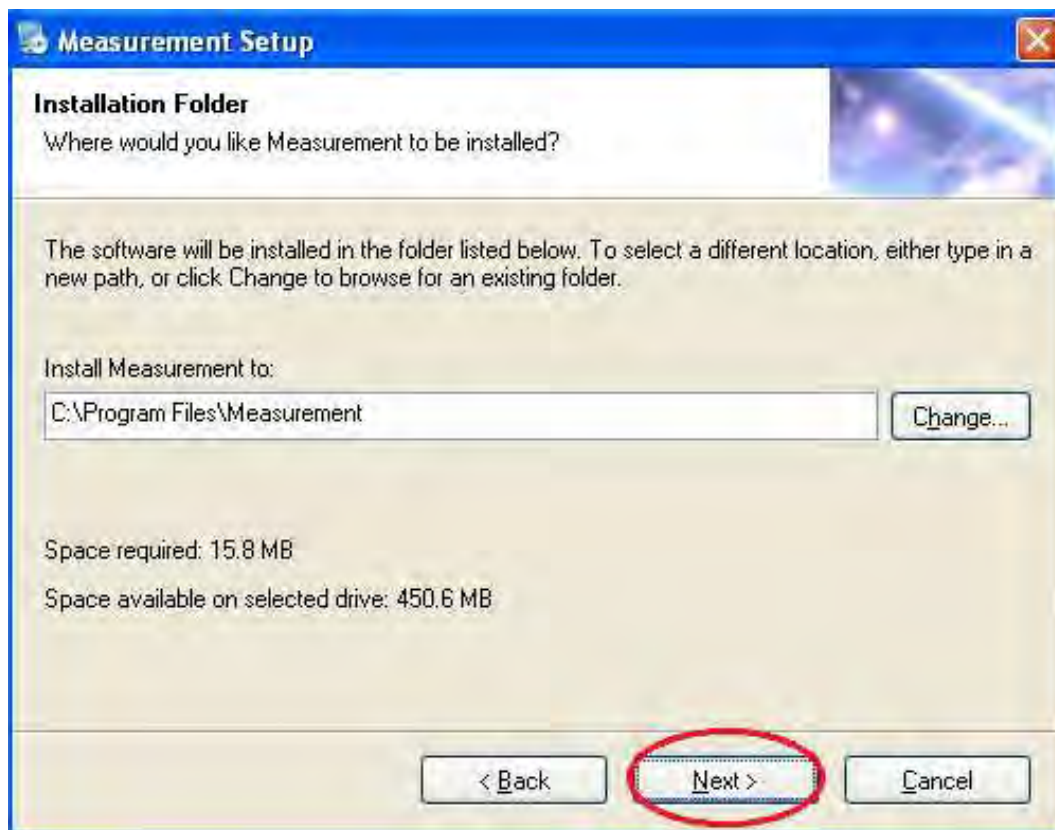
Start de computer onmiddellijk na de installatie van het stuurprogramma opnieuw op; Installatie kan geblokkeerd worden door de antivirussoftware; laat de antivirussoftware alle processen toestaan, of sluit de antivirussoftware voor de installatie. Wanneer de installatie is gelukt, ziet u het pictogram  op de werkbalk en een pictogram op het bureaublad, dubbelklik hierop om het programma te starten.

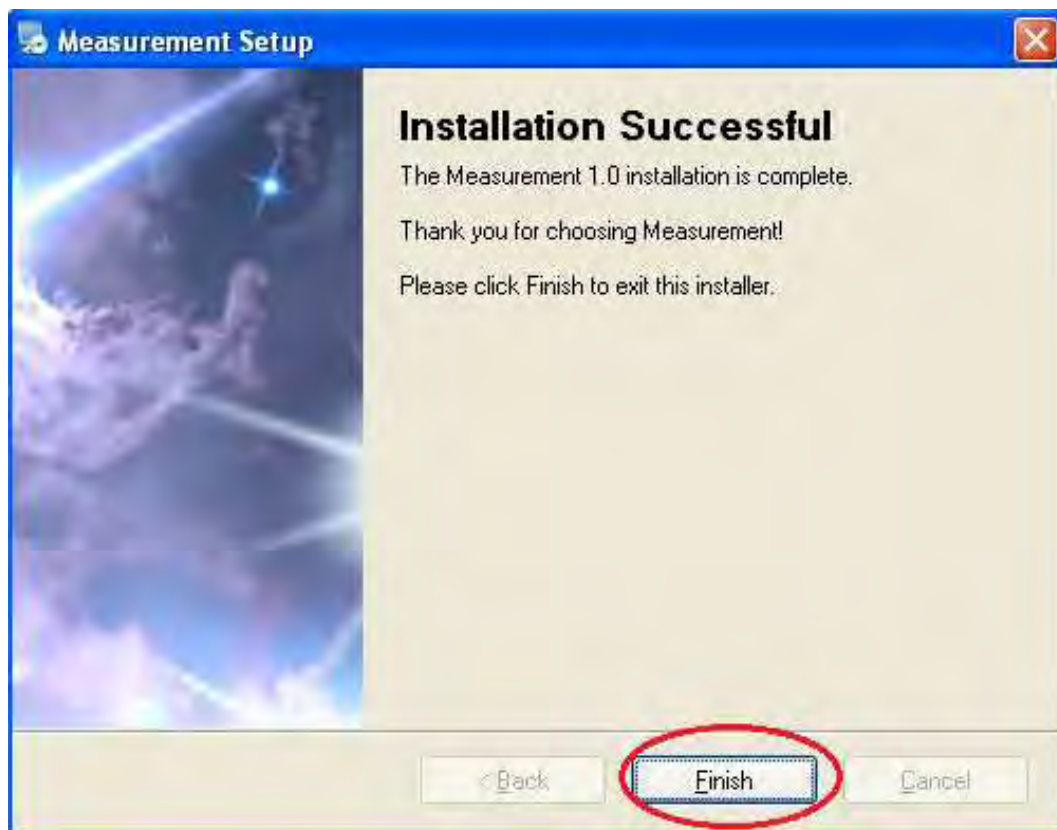


U kunt de microscoop nu gebruiken. Druk lang op de knop SNAP op de microscoop om een afbeelding te maken, en op de knop ZOOM om de digitale zoomfunctie te gebruiken.

Installatie van Measurement

Kies en installeer Measurement

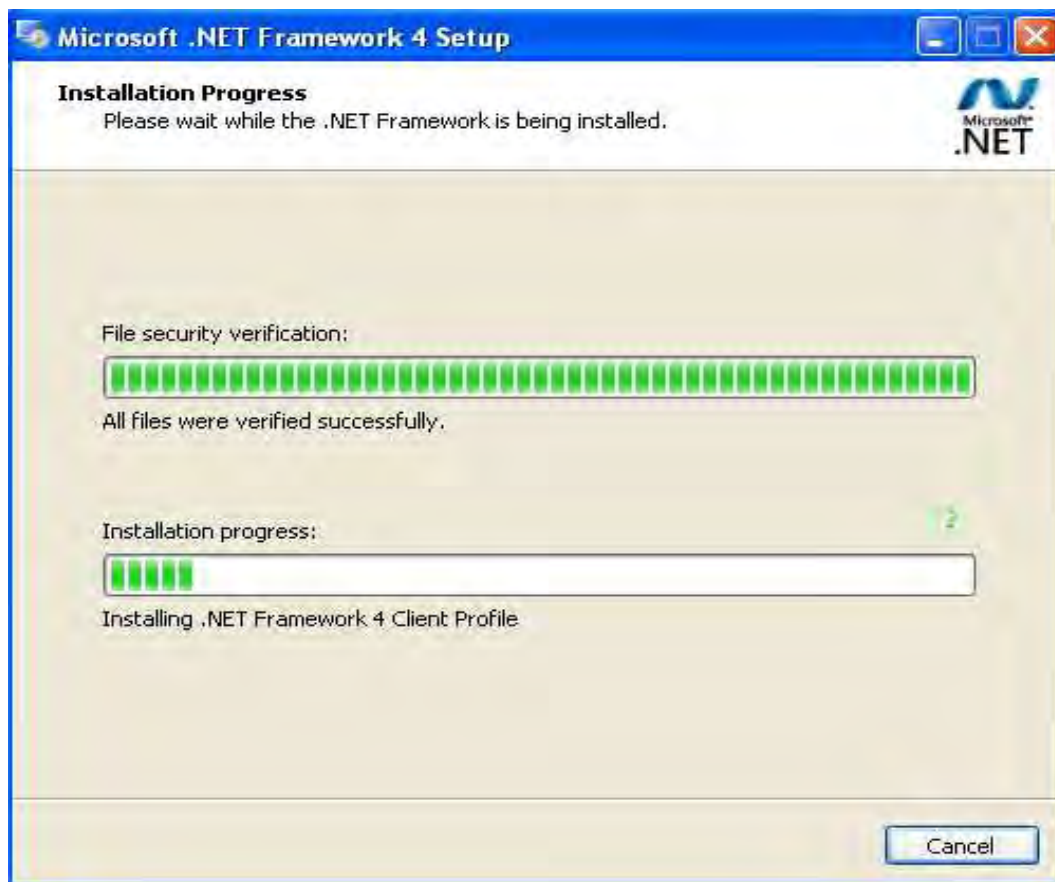


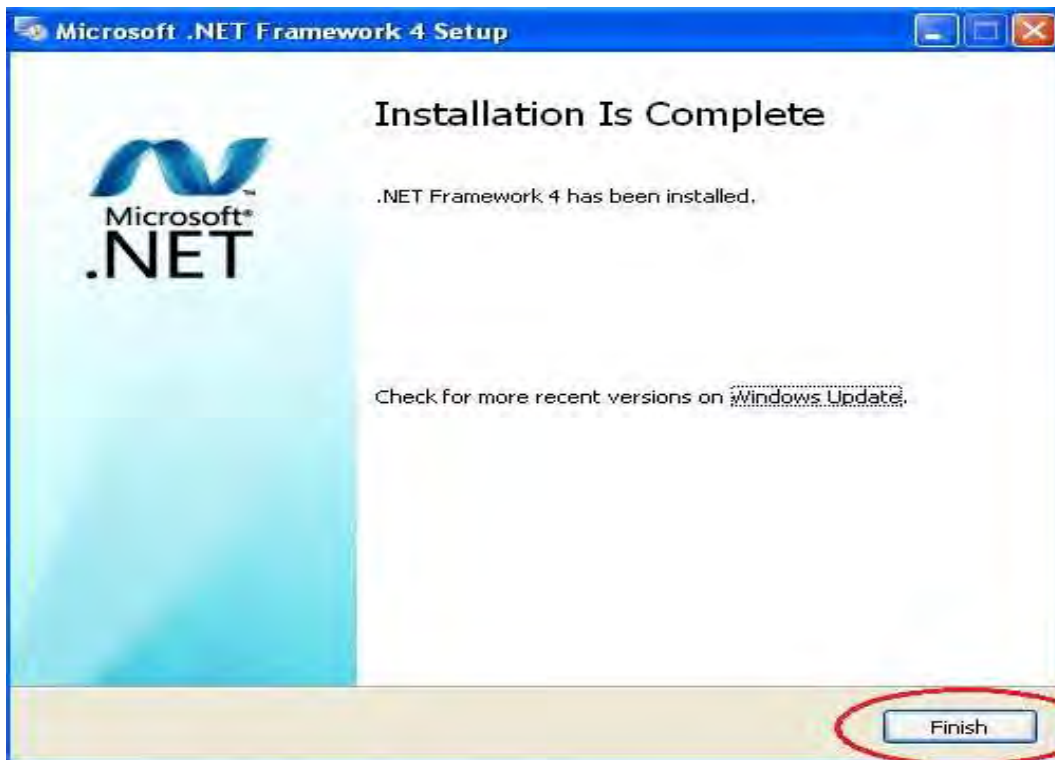


Klik op "Finish" en de installatie zal voltooid zijn.

Installatie van Microsoft .NET Framework

Als de PC Windows XP of ouder is, is .Net Framework 4.0 vereist. Installeer deze.



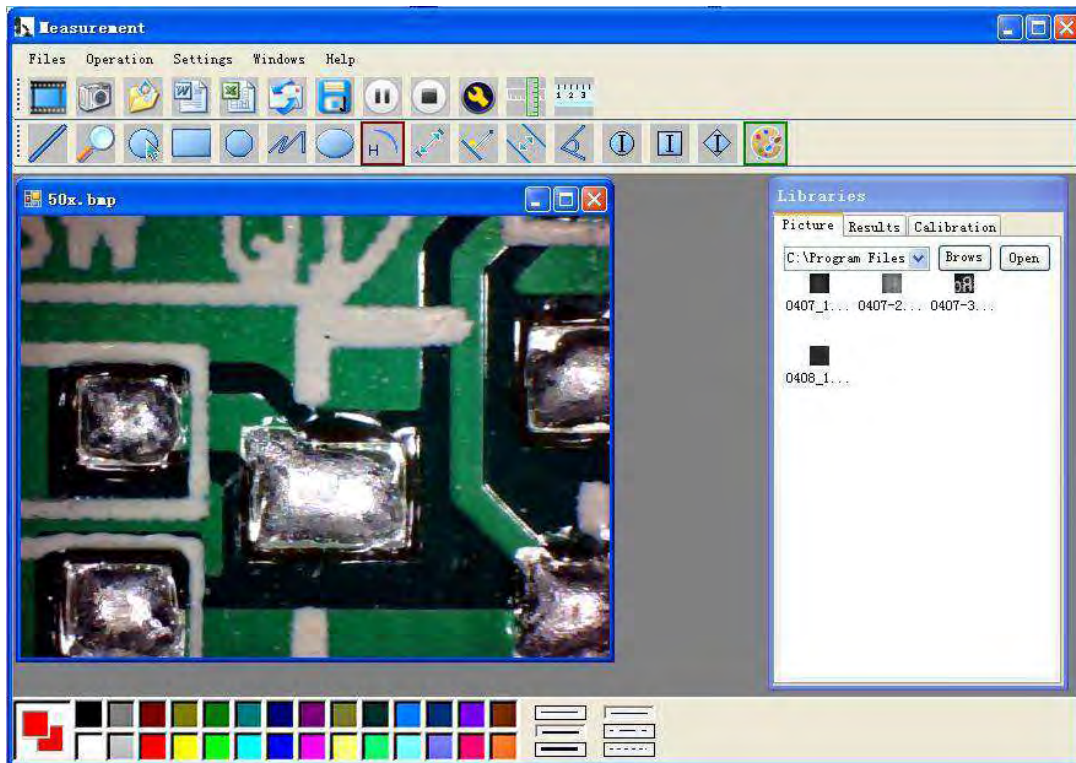


Wanneer de installatie voltooid is, dubbelklik op  op het bureaublad om de software te gebruiken.

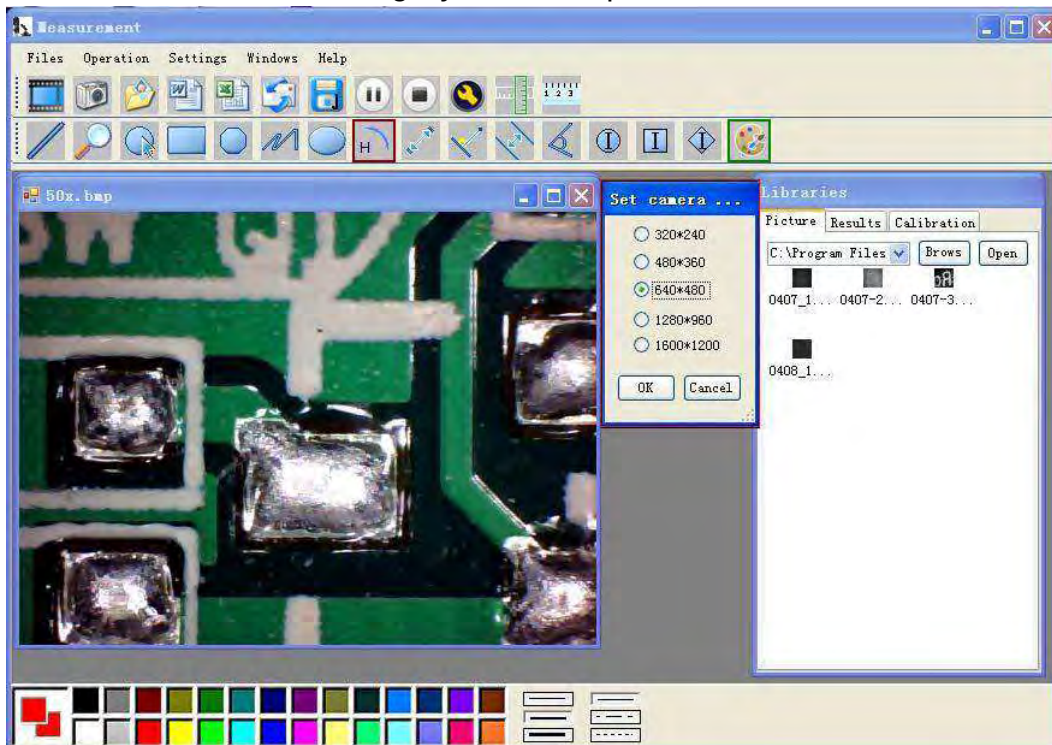


Sluit de apparaten aan

reflecta gmbh • Merkurstrasse 8 • D-72184 Eutingen i.G
Phone: +49 (0)7457 9465-60 • Fax: +49(0)7457 9465-72 • www.reflecta.de • mail@reflecta.de

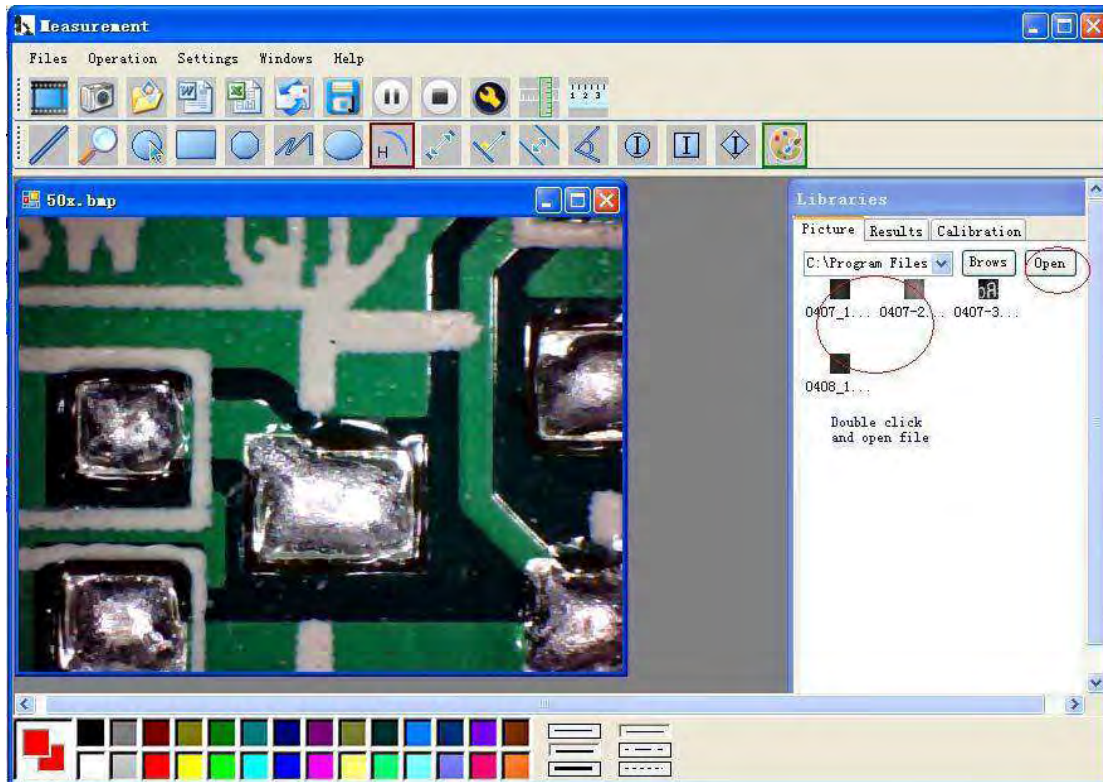


Klik om het besturingssysteem te openen

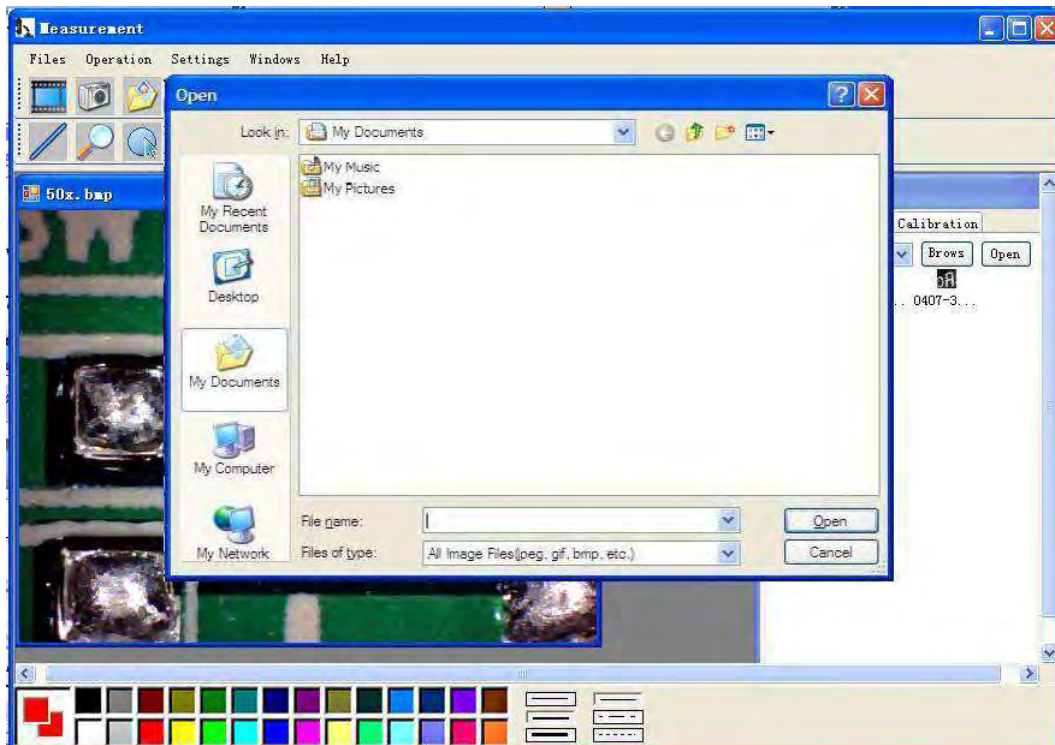


Kies een afbeeldingsresolutie van 320*240 tot 1600*1200, standaard bij VGA-modus is 640*480

Klik  om de meetfunctie te gebruiken.



Klik  om afbeeldingen te openen, en klik  om afbeeldingen op te slaan

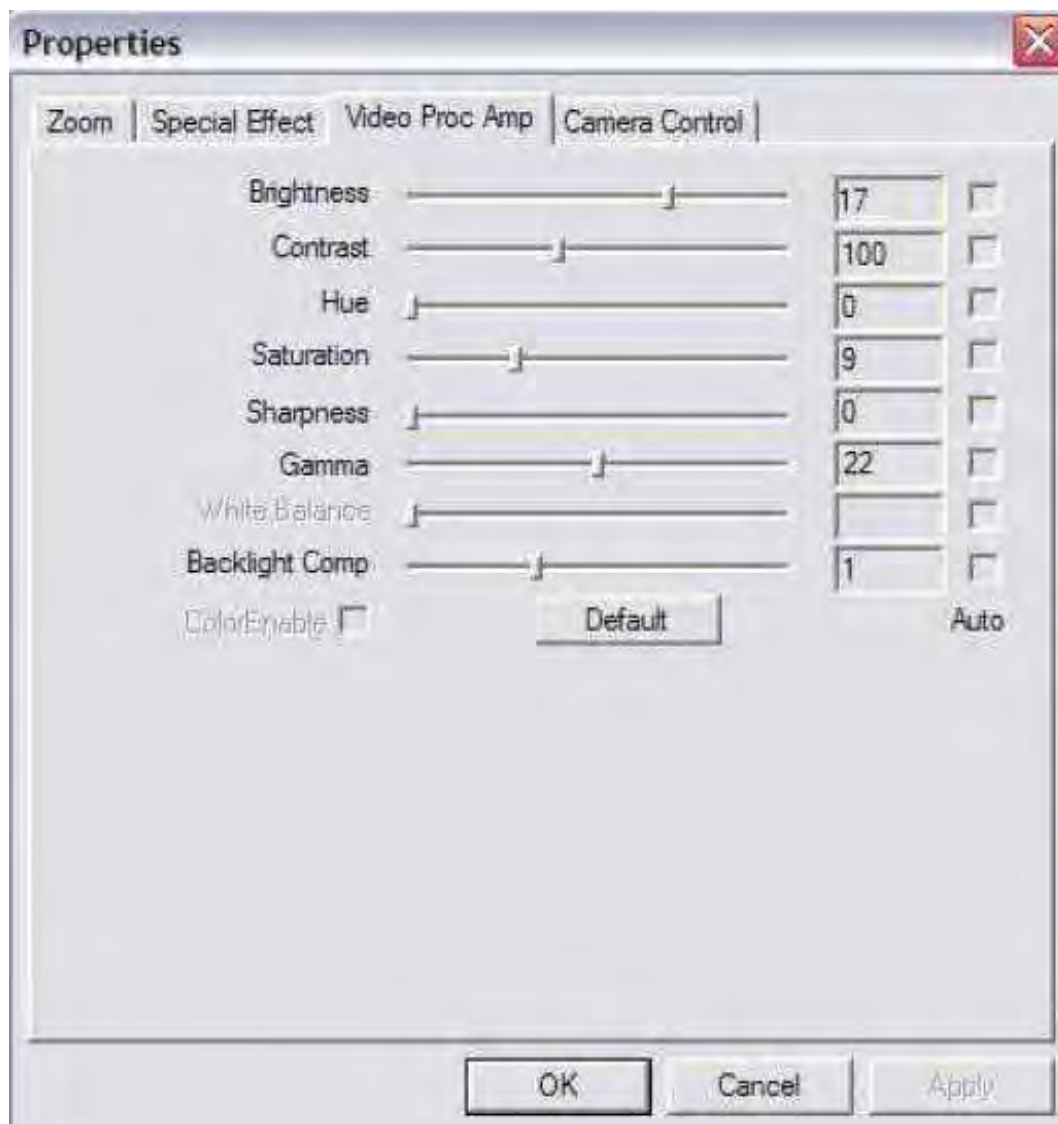




Video afspelen/pauzeren, stoppen



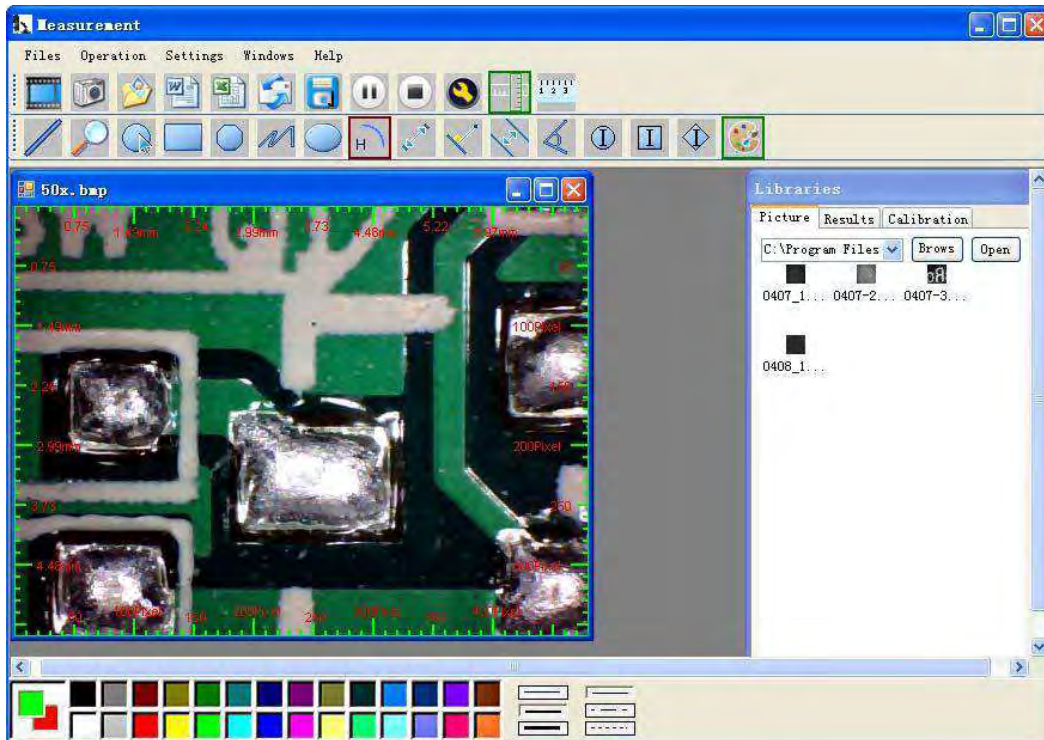
Afbeeldingsparameter, waaronder afbeeldingsinstelling en speciale effecten



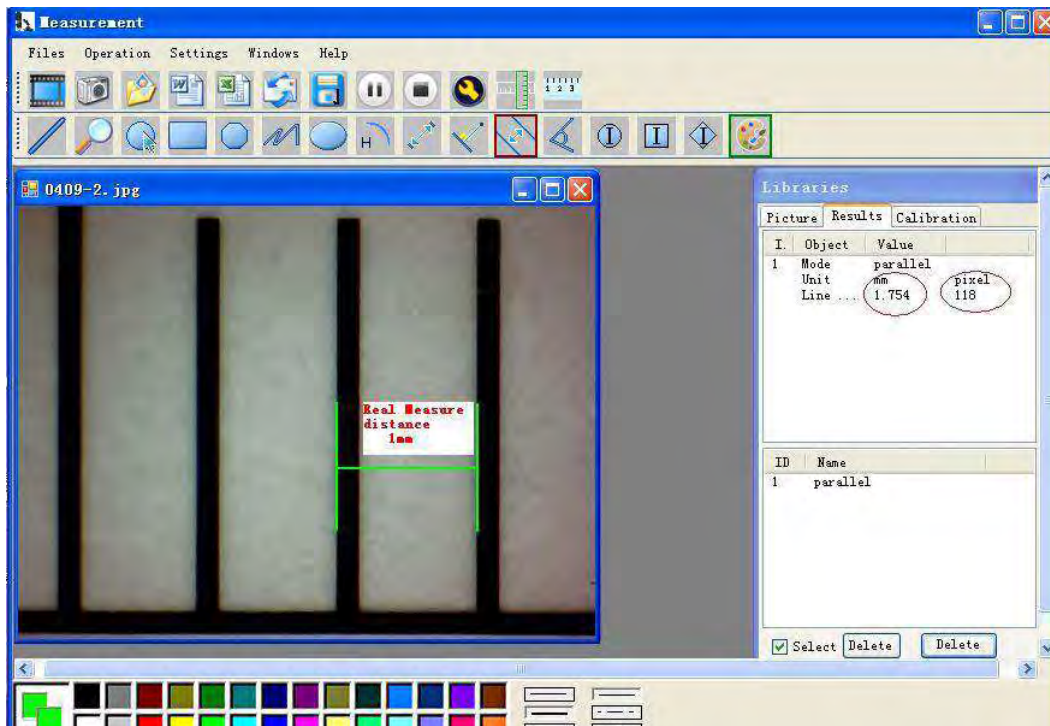
Loop



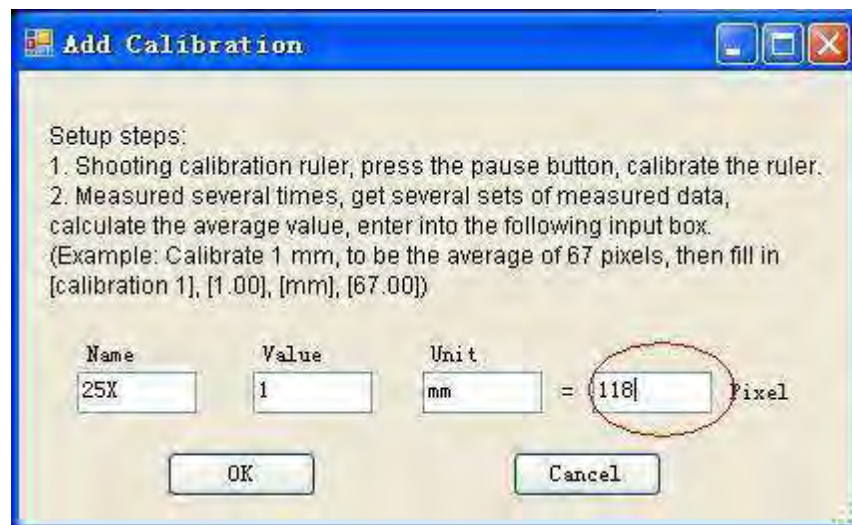
Klik liniaal als volgt



Klik om de kalibratie te starten en om een bepaalde zekerheid te garanderen. Onze ervaring leert ons dat de meeting kan worden bepaald met een hoge precisie van 99%. Meetafwijkingen kunnen worden veroorzaakt door afwijkingen van het zicht en verlies van focus. Meer oefening is nuttig tijdens de metingen.



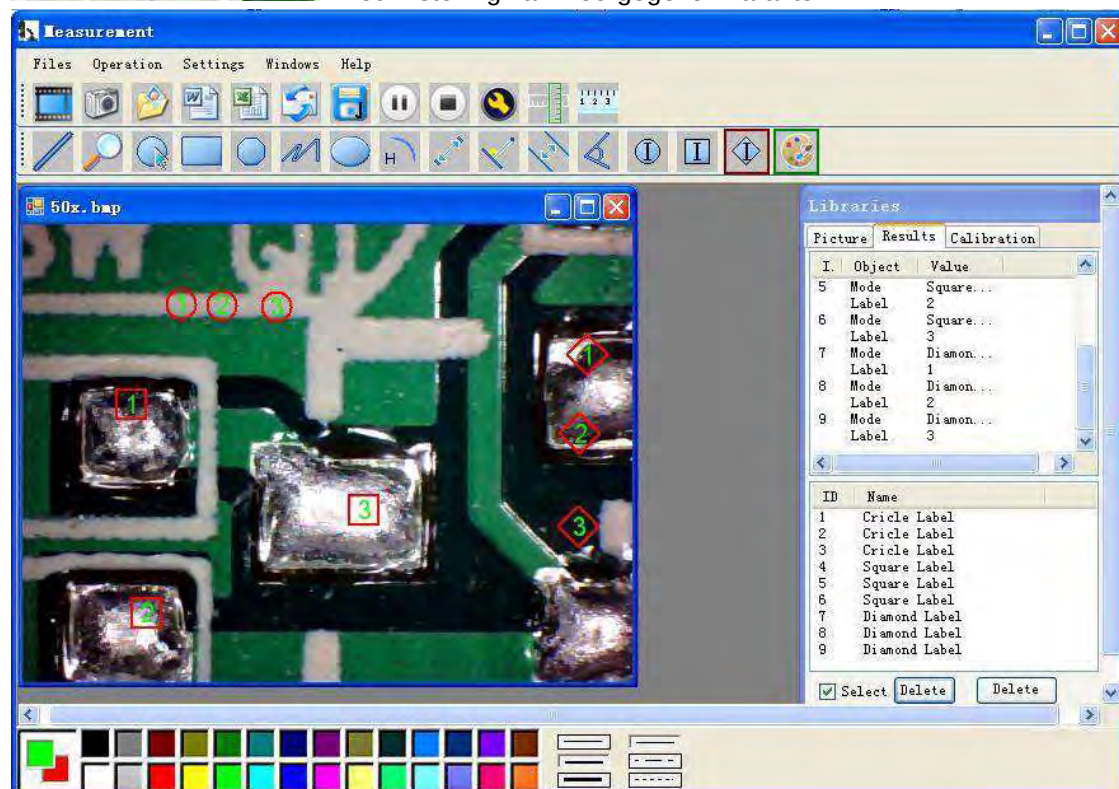
Vul de eenheid (pixel) van meetgegevens in en druk op “OK”



Waarschuwing: Doe de kalibratie opnieuw wanneer de vergrotingsfactor is veranderd.



Kleurinstelling van weergegeven karakter



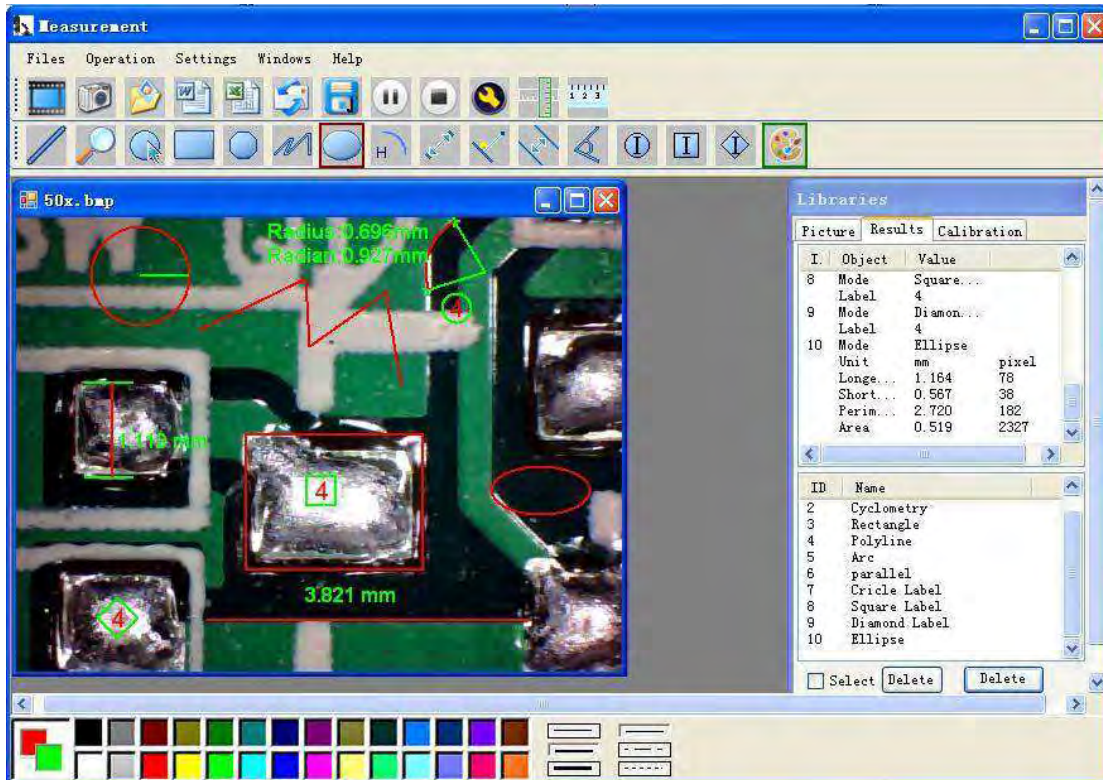
Klik om naar word- of excelindeling te exporteren.

Voorbeeld: Meetgegevens in een wordbestand



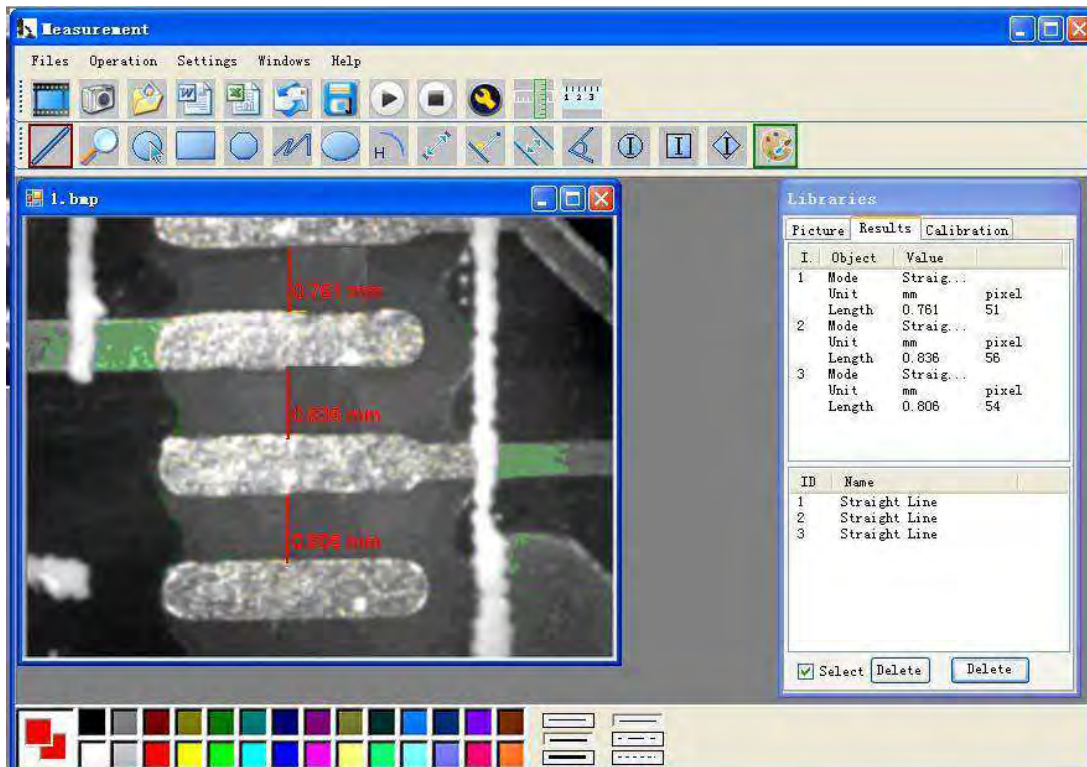
Van links naar rechts:

Lijn, ring, vierkant, veelhoek, lijn van ingestelde lengte, ovaal, boog, afstand van punt-tot-punt, afstand van punt-tot-lijn, parallellijn, hoek



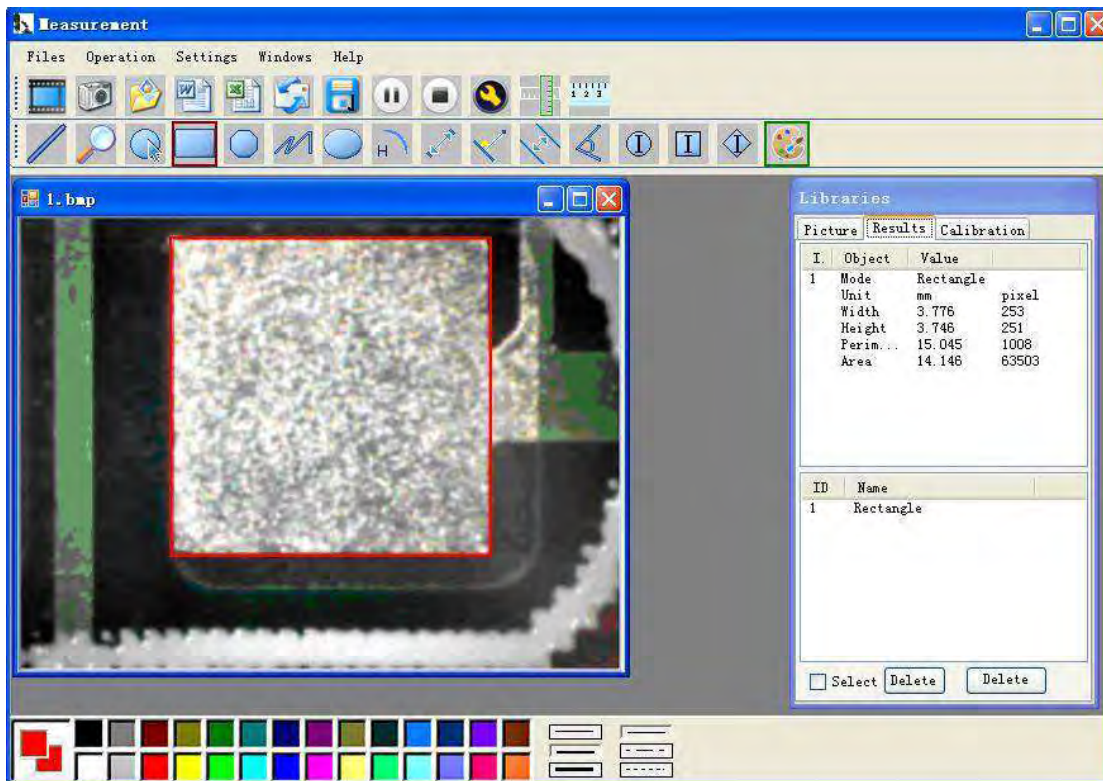
Voorbeeld 1

Lijnmeting:



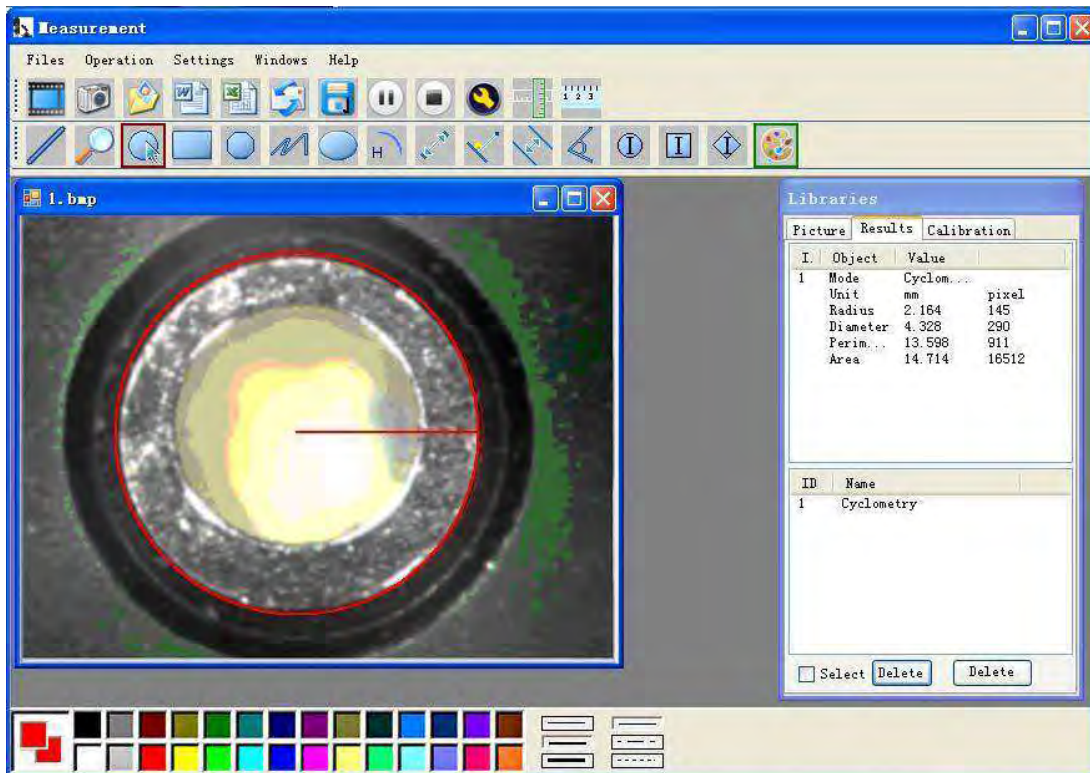
Voorbeeld 2

Rechthoekige metingen:



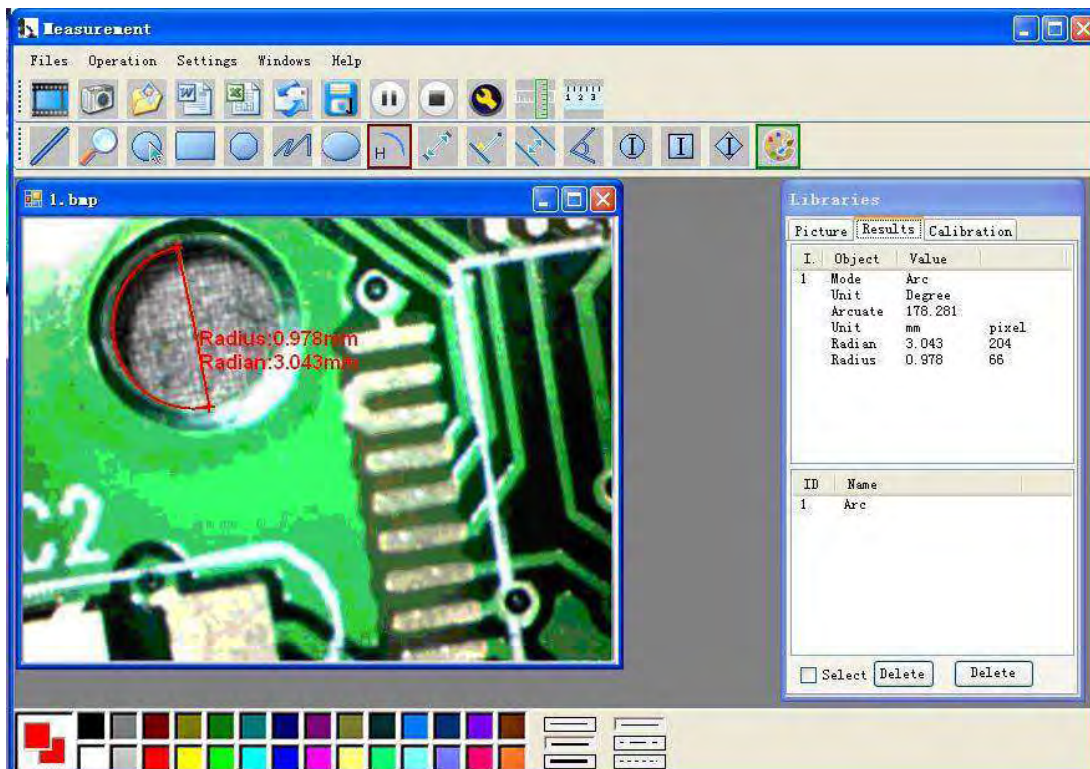
Voorbeeld 3

Ringmetingen:



Voorbeeld 4

Boogmetingen:



Dit symbool op het product of in de gebruiksaanwijzing geeft aan dat elektrische en elektronische apparatuur aan het einde van zijn levensduur gescheiden van het huisvuil moet worden ingeleverd.

Er zijn verschillende inzamelsystemen voor recycling in de EU.

Neem voor meer informatie contact op met uw plaatselijke overheid of de detailhandelaar waar u het product hebt gekocht.

