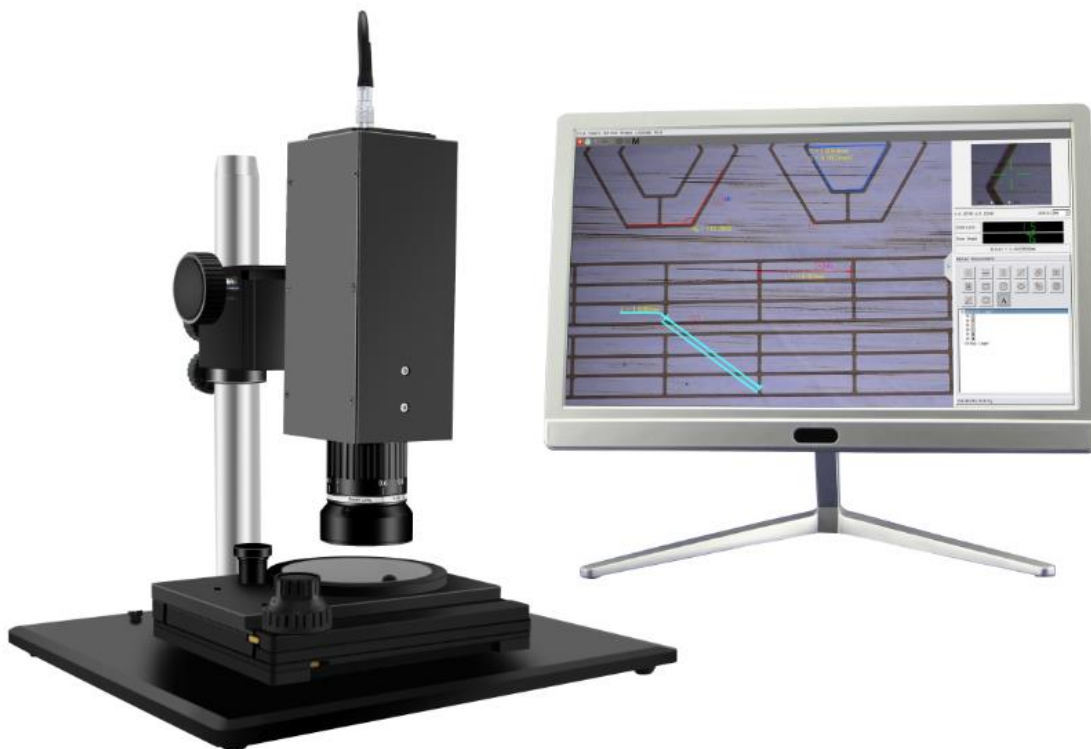
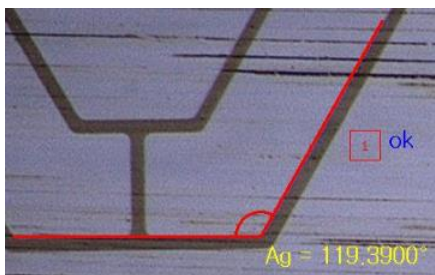


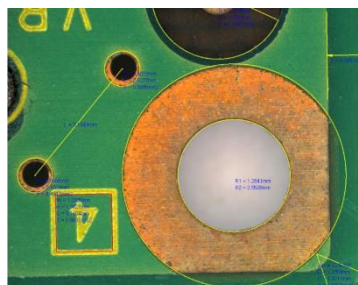
8. BS-1080FC Free Calibration Smart Measuring Microscope



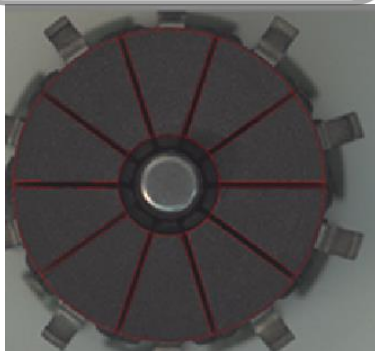
The BMS-303 X-Y stage is optional



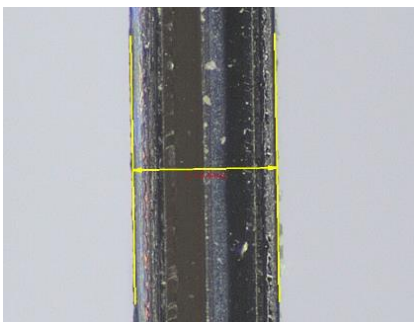
High resolution
1:8.3 Big Zoom Ratio
No Need Computer
No Need Calibration



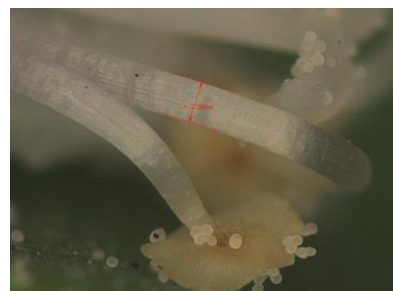
Smart measure Function
Ruler line, Angle Gauge
High Measure accuracy



1/2 inch SONY CMOS
Full HDMI 1080P 60FPS
Save Image to U Disk
with BMP or JPG



Real time display
optical magnification
and total magnification

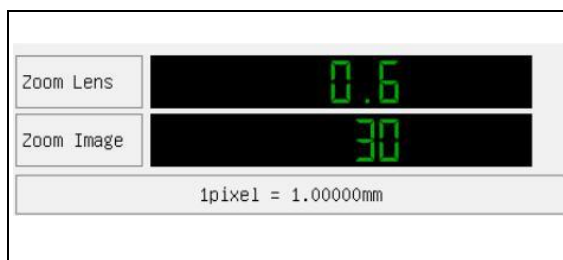


Features

1. Parallel Infinite Optical System. Whole focus, uniform illumination, 0.3-2.5X or 0.6-5.0X optical zoom magnification optional.
2. 60fps, Full HDMI display, 1920x1080 high resolution image.
3. Real time Display optical magnification and total magnification.
4. Built in smart measuring software system. PC-Free, Smart calibration. Calibration Free. After factory setting. User don't need to calibrate again.
5. Screen printing drawing function. For Special irregular parts, can draw a variety of graphics and support the secondary editing of the drawing diagram.
6. Automatic tracing-edge Function has greatly Improved Measurement Precision.
7. Measuring Function: support line, circle, fan-shaped, concentric circles, center distance of circle, Angle, arbitrary polygon measuring, etc. Measurement data can be saved with picture or Excel formate.
8. Windows software interface, Wireless mouse control, BMP or JPG photo storage, online preview.

Operation windows

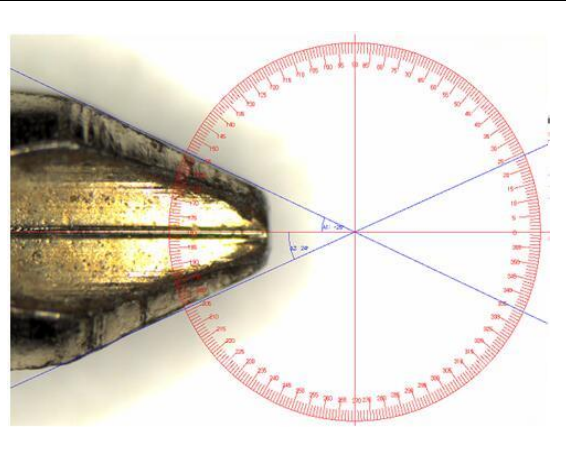
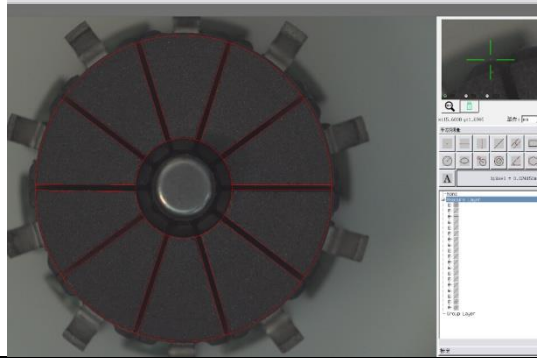
User can choose "observe mode" and "measurement mode". Camera settings and measurement tools are easily



Real time display zoom optical magnification and total magnification.
 Real-time monitoring of magnification changes and automatic switching of the corresponding calibration value for measurement.

Screen printing drawing function.

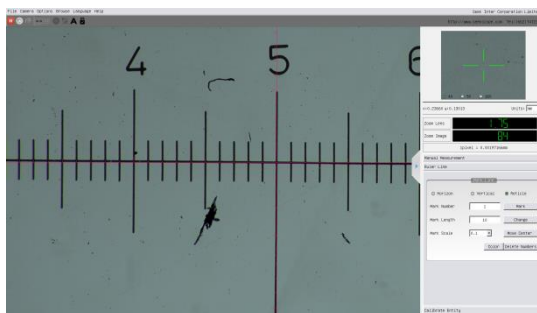
For Special irregular parts, can draw a variety of graphics and support the secondary editing of the drawing diagram. Graph can be added with new group, new group unlimited, can be used at any time.



Gauge and crosshair

Built-in Angle gauge screen printing and crosshair. Can add any angle.
Adjust Angle freely. Can Move the center of angle gauge.

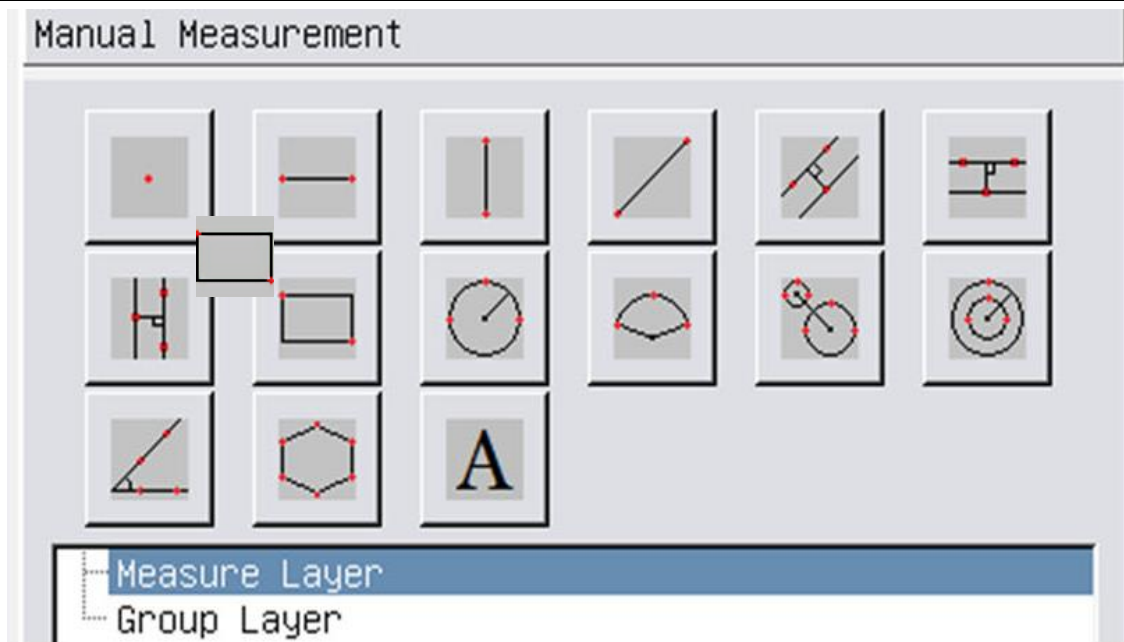
Ruler line. Zoom in or zoom out with magnification. Like put a real ruler on display.



No need computer, No need calibration, Smart measuring.

The measuring accuracy of the system can reach within 3 microns, and the repeated measuring accuracy is also within 5 microns.

Support point, line, circle, fan-shaped, concentric circles, center distance of circle, Angle, arbitrary polygon. ect measuring. Measurement data can be saved with picture or Excel. Numerical units can be freely selected (mm, UN, inch, mil)



All supported measurement elements are shown in the following figure: mark the measurement object, and the mark result is the coordinate information of the current mark point.



Measurement of horizontal line segment



Measurement of vertical line segment



The measurement of any angle line segment



Angle measurement



Measurement of distance between horizontal parallel lines



Measurement of the distance between vertical parallel lines



Measurement of the distance between parallel lines at any angle



Measurement of rectangles



For polygon measurement, in polygon measurement, right-click the last edge, and the software will automatically complete the drawing work



The sector measurement adopts the method of three-point calibration



The measurement of circle adopts the method of three-point circle determination



Center distance measurement



Measurement of concentric circles



Text mark.

Application

BS-1080FC Free Calibration Smart Measuring Microscope is widely used in educational demonstration, agriculture research, industrial material, semi-conductor, integrated circuit board, electronics inspection area and so on.

Specification

Model	BS-1080FCA	BS-1080FCB
Zoom Body	0.3-2.5X zoom body (standard)	0.6-5.0X zoom body optional
FOV (mm)	24mmx13.7mm - 2.88mmx1.64mm	12mmx6.8mm - 1.44mmx0.81mm
Total magnification	15-120X	30-240X
Zoom ratio	1:8.3	
Working distance	86mm	
Smart platform	EPGA+ARM architecture embedded System, Dual-core A9 Processor	
Photo Resolution	1920*1080	
Output format	Full HDMI	
LCD monitor	15.6-inch HDMI LCD monitor with resolution of 1920*1080	
Sensor	1/2" Sony sensor	

Frame Rate	60 fps
Pixel Size	3.75μm×3.75μm
Calibrate-Free	Software already set the calibration, So Calibration-Free
Measurement function	Can measure lines, parallel lines, circles, arcs, angles, concentric circles, center distance of circles, rectangles, polygons and other plane graphics (support customized measurement mode)
Storage	Photos (with measurement data or pure photo) and excel data files can be saved in the USB flash drive
Light Source	12V 5W ring LED light source
Configuration	Microscope with coarse focus pole column stand, LED ring light, 15.6-inch LCD monitor, HDMI digital camera
<p>Remark: Can select the objective and the auxiliary objective which will change total magnification and working distance for your requirements, collocate the accessories to total magnification range: min 2.7 X, Max 10000 X. If select the high magnification objective, the objective above 4X, Suggest you to select the BS-1080FCB body for best image.</p>	

Optional Accessory

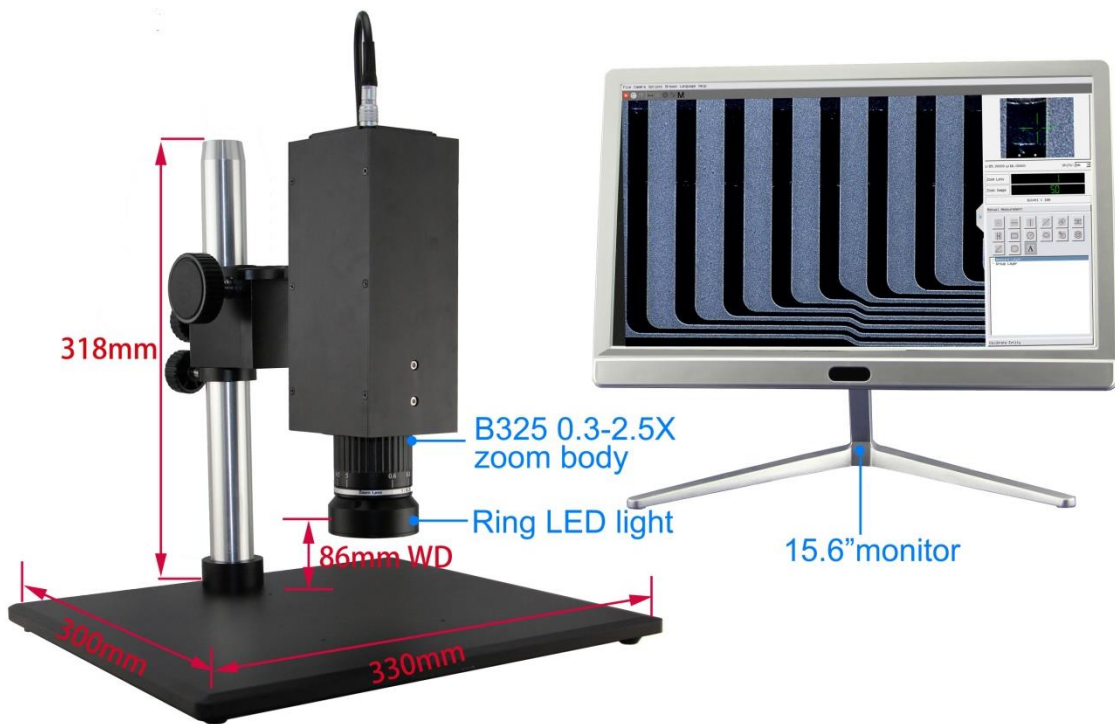
LR65-R	12V 5W ring LED light source for Circular column of stand, the installation diameter is 32mm
LL65	Bar LED illumination, large lighting, suitable for low range, good uniformity
LC6511P	3W Coaxial light source with polarizer
LC6511	3W Coaxial light source
LR65P	12V 5W Polarized ring LED light source
Stand	Quadrate column stand, coarse&fine focus stand and transmitted light stand are optional
BMS-303	BMS-303 X-Y stage with 360 degree rotatable surface layer





BMS-303 X-Y stage, the knob with white surface is used to rotate the round layer.

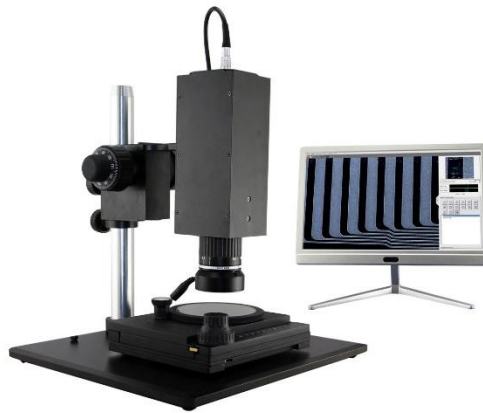
Product Details



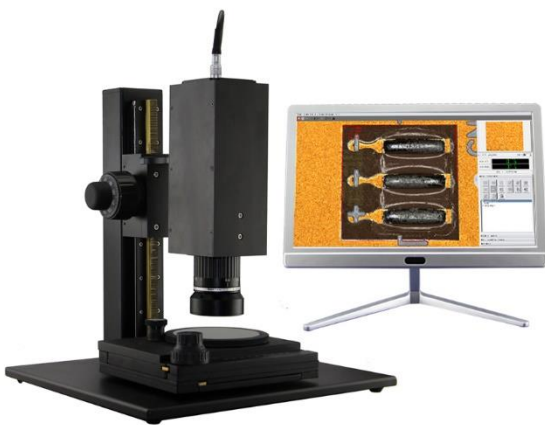
Product Pictures



BS-1080FC with Quadrate column stand(coarse focus)



BS-1080FC with fine focus and X-Y stage



BS-1080FC with Quadrate column stand
(coarse&fine focus), X-Y stage



BS-1080FC with pole column stand
(coarse&fine focus), X-Y stage, coaxial
illumination and LED ring light, Plan APO
metallurgical objective