

SOBEKK



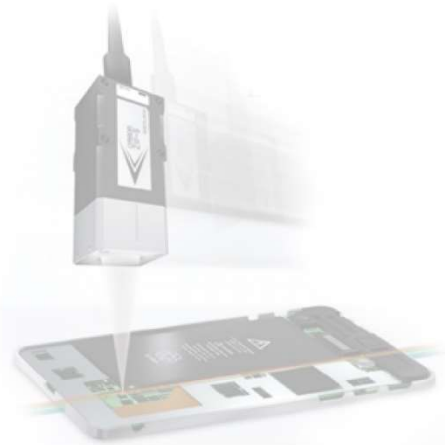
More Than 15 Years Experience

Video Measuring Machine

E Series

Manual Style Video Measuring Machine

Website: www.sobekk.com E-mail: info@sobekk.cn



E Series Manual Vision Measuring Machine**2D AND 2.5D MEASUREMENT****HIGH-DEFINATION IMAGE DISPLAY****VISION MEASURING HEIGHT FUNCTION****AUTO EDGE DETECT FUNCTION****ONLINE SPC FUNCTION****MULTIPLE OUTPUT FORMATS:WORD EXCEL CAD****Features**

- "HIWIN" P level linear guideway and precision cross roller guideway for increased accuracy & working life
- Integrated granite base and column ensures machine stability.
- Supplied with SBK-E multifunctional 2.5D measuring software, automatic edge detection and vision height measurement function.
- Supplied with removable & dismountable console support table
- High-definition detent step zoom lens and high-resolution CCD performs high-definition measurement.
- Supports different file formats of data output such as Word, Excel, CAD etc. DXF import for quick inspection.

Model	Voltage input	Power
E200	110-230V alternate current	500W
E300	110-230V alternate current	500W
E400	110-230V alternate current	500W
E500	110-230V alternate current	500W

Specification

Model	E200	E300	E400	E500
Measuring range(mm)	200*100*200	300*200*200	400*300*200	500*400*200
Machine size(mm)	697*787*1660	697*787*1660	794*963*1660	900*1100*1600
Weight(kg)	160	230	300	500
Max. load(kg)	30			
Accuracy of X-Y axis	3+L/200μm			
XYZ resolution	1.0μm			
Repeatability(mm)	0.003			
Magnification	optics zoom ratio: 0.7-4.5X; image zoom ratio: 44-256X			
Control system	SBK3000 control box, USB port, adjustable light			
Operated mode	handle wheel			

Main Parts

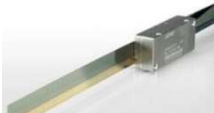
Parts	Picture	Specifications
CCD		1.3M pixel digital color CCD
Optics		6.5:1 continual zoom step lens
Surface illumination		*LED cold light *256 level programmable *Brightness adjustable
Bottle illumination		*LED cold light *Parallel light *256 level programmable *Brightness adjustable
Linear guide		Taiwan P grade linear guideway
Linear scale		Glass linear scale resolution 1um

Optional Part
1. Renishaw MCP probe

For hole or groove measure .

			
	Stylus diameter	Φ1 Φ2 Φ3(optional)	
	Stylus Length	200mm	
	Calibration block	50mm	
	Static accuracy	±1.5um	
	Measure accuracy	±3.0um	
	Can optional extension road according to measure requirement		

2. Linear scale

	Glass scale resolution 0.0005mm or 0.0001mm
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3. Coaxial light

	Highlight the uneven surface of the object, overcome the interference caused by the surface reflection, make brightness uniform and image clearly
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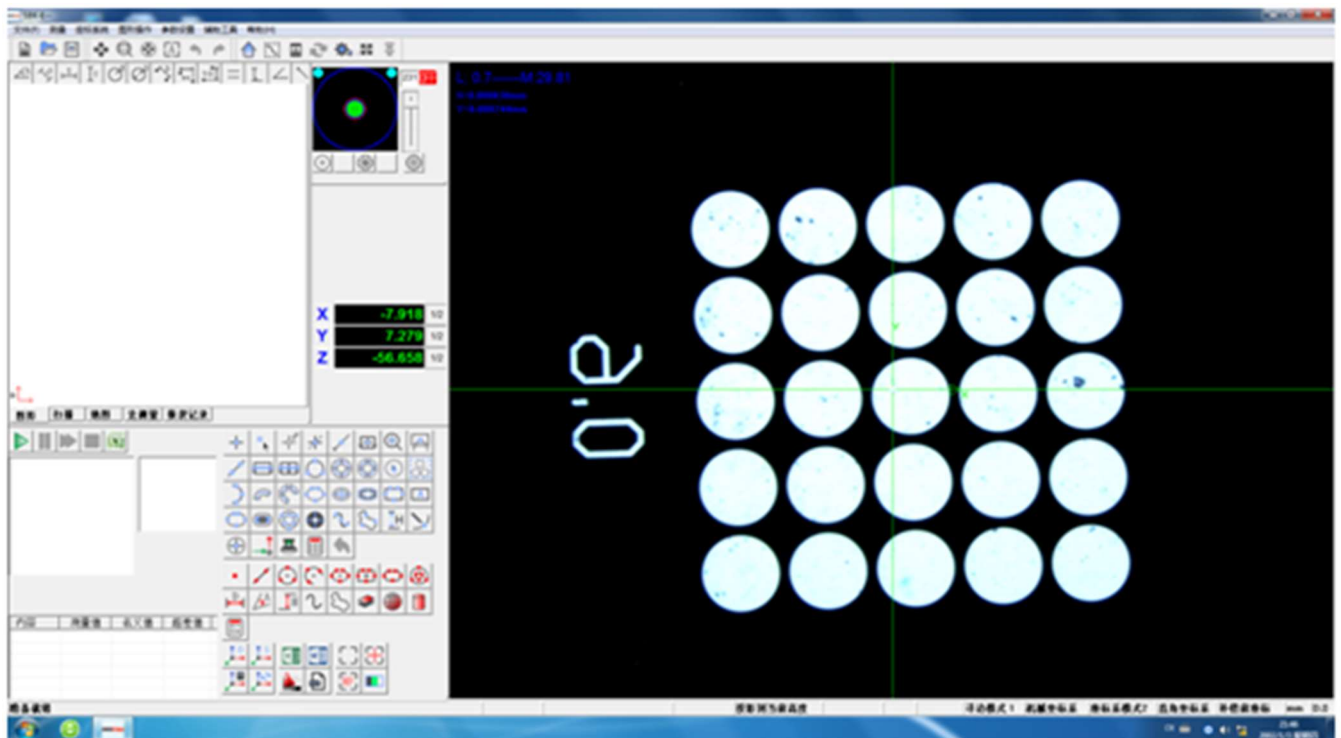
4. Objective Lens

	Long working distance metallographic objective lens :5X, 10X ,20X
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5. Original Windows OS

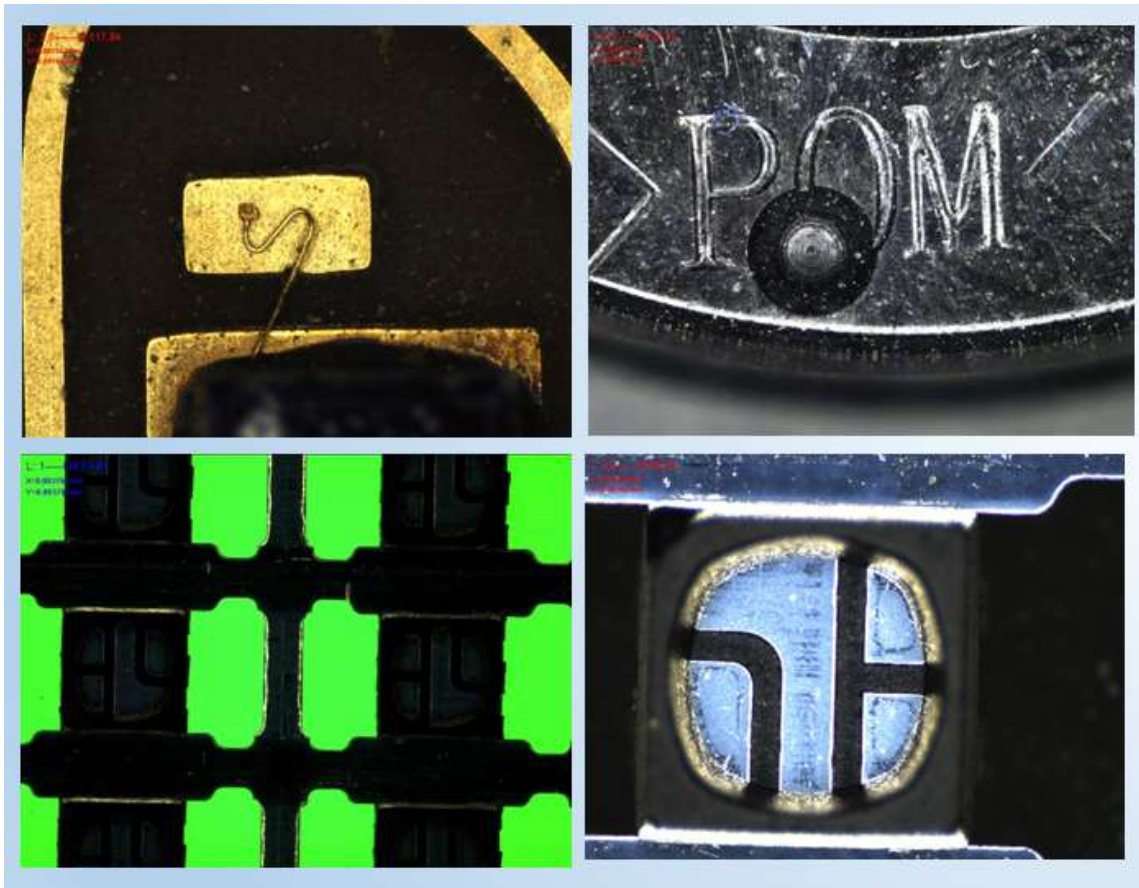
	Original Win10 or Win7 professional English version
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Machine Display**Inner wiring**

Software (SOBEK-INSPEC Manual version)**Software interface****Software Main Function**

- **Element measurement**, It can measure 12 elements (point, line, circle, arc, ellipse, rectangle, groove, ring, distance, angle, open cloud line, closed cloud line)
- **Macro measurement function**, to associate some of the measurement construction commands to a button, reduce the number of users to operate the mouse, improve work efficiency.
- **Automatic capture measurement**, using the mouse circle to hold the edge of the workpiece, the line, circle, or arc can be obtained automatically
- **Element structure**, The construction of elements provides 10 construction methods: translation, rotation, extraction, combination, parallelism, image recognition, symmetry, intersection.
- **Rich display results**, The measurement results of various elements show that the amount of information is large enough to meet the needs of various customers
- **Can display optical magnification and screen magnification**,
- **Coordinate system**, the multiple coordinate system can be set up according to the drawing, and the coordinate transformation of each coordinate system can be realized.
- **User program**, Unrestricted user program recording, editing, saving, and exhaling function, The user program can record and edit all the user actions to achieve the replication measurement and greatly improve the measurement efficiency.
- **Auxiliary dimming**, The dimming indicator will indicate to the user what time the best light intensity, measuring error caused by light is avoided
- **Graphic function**, With perfect graphics processing and display function (zoom, translation, window display, partial enlargement and full screen display)
- **Annotation function**, It can directly mark the angle, distance, X direction distance, Y direction distance, circle (ARC) radius, circle (ARC) diameter and arc length in the drawing area and image area element graphics

- **System error correction**, The software has a system error correction function.
- **Scan function**
- **Large MAP function**, The workpiece can be divided into many areas to take pictures, form a large map, and can be tagged on the map.
- **Language conversion**, Support all languages
- **Report function**, The measurement data can be exported to Excel, Word, AutoCAD and TXT.

Image display**Computer**

Brand: DIY computer	
CPU: i3	
RAM: 4G	
Hard Disk: 120G SSD	
Monitor: 21.5 inch	

Packaging (Wooden Case)

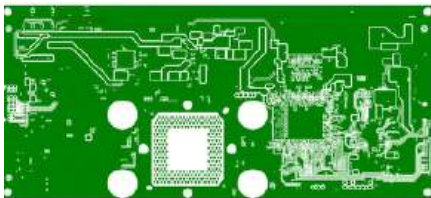
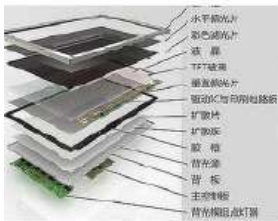

Model	Packaging Size (mm)	Gross Weight (kg)
E200	900*1300*1100	160
E300	900*1300*1100	230
E400	1200*1200*1730	300
E500	1300*1400*1750	500

Standard Configuration List

Models and Specifications	Quantity
E host	1 set
SBK-INSPEC software	1 pc
Pixel calibration block	1 pc
16G U disk (inner software manual)	1 pc
Computer System (with host ,display ,mouse keyboard)	1 set
Table	1 pc
Warranty card	1 pc

Measuring Application

Connector, Sheet metal part, Spring, Display PCB ,Precision Mechanical part, Electrical part, car part, Mould, Plastic parts ,LED plane...

**Company Detail**

Factory including: 7 sale centers and after-sale service centers, 1 R&D center , 1 import & export department

Production capacity: 1000 set/year

Sales area: more than 30 countries and regions (Thailand, Vietnam ,Malaysia, Korea, Canada, Indian, UK, Poland, US, Mexico...)

Goal: to be the most stable video measuring machine in china

Value: customer-focus & striver-orientend

Address: 1 Floor B Building CY village Industry Zone, DongCheng District, DongGuan City, GuangDong, China



Patent

More than 16 patents about machine hardware and software



our customer:





our exhibition:



our workshop plant:

