VEVOR

Upgrade · The Home Creator Way

STEREO MICROSCOPE

USER MANUAL

VEVOR Support Center

7045P-STL2

7045P-B1

VEVOR
Upgrade·The Home Creator Way

STEREO MICROSCOPE

MODEL: 7045P-B1 **7045P-STL2**





This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

INSTRUCTIONS

Thank you very much for choosing this product. Please read all of the instructions before using it.The information will help you achieve the best possible results.

1、The product complies with relevant standards and regulations.
Installation of this device must comply with all applicable regulations, and it should only be operated in well-ventilated areas. Please read the user manual before installing and using this equipment.

2、This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

3、Children shall not play with the appliance.

4、This appliance shall not be used by children. Keep the appliance and its cord out of reach of children.

5、This appliance is intended to be used in household and similar applications such as:
– staff kitchen areas in shops, offices and other working environments;
– farm houses;
– by clients in hotels, motels and other residential type environments;
– bed and breakfast type environments.

6、Please properly keep product. Check whether the product is abnormal before use. If it is abnormal, please stop using it.

7、Please use the product according t**o the intended use, warn of potential injury from misuse.**

SAFETY TIPS

1. Microscope ought to be placed in a dry and clean place. Do not expose the microscope in the sun directly. Avoid high temperature and violent vibration.
2. As microscope is a precision instrument, handle with care, avoiding impact or abrupt movement during transportation.
3. To keep the image clear, do not leave fingerprints or stains on the surfaces of the lens.
4. Never turn the left and right Zoom control knob in the adverse direction at the same time, otherwise the microscope will be damaged.
5. When removing the film from camera, use one hand to hold the camera so that it does not fall over.

SAVE THESE INSTRUCTIONS.

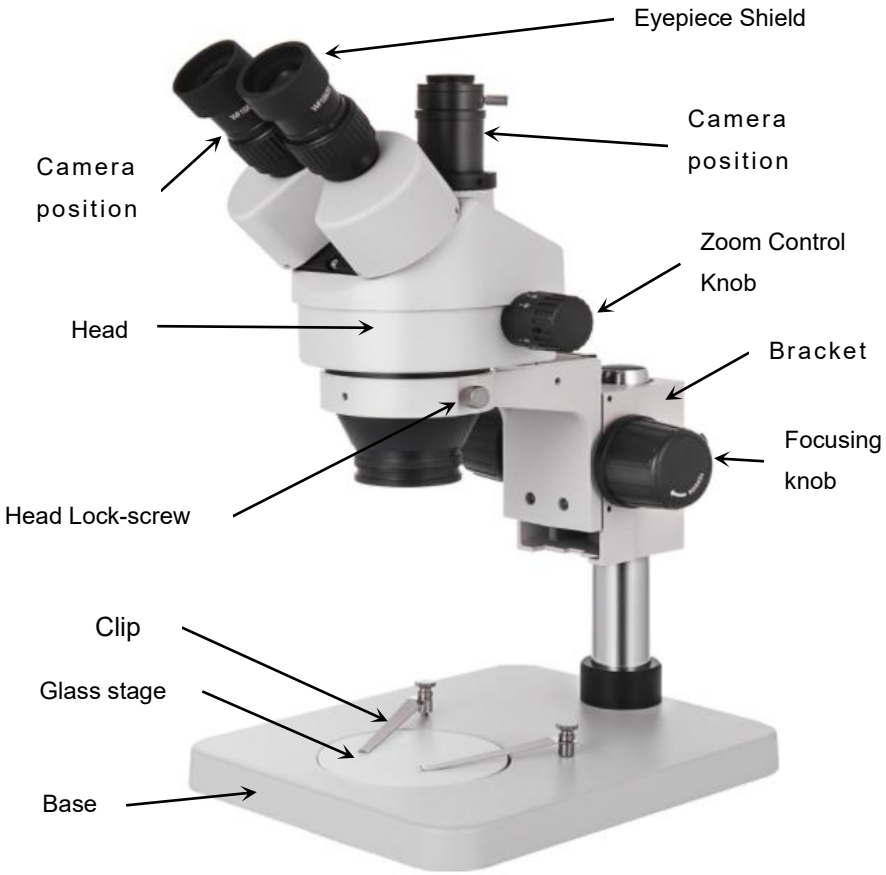
TECHNICAL PARAMETERS

1. Technical Specification

Eyepiece	(Standard Configuration)		（Auxiliary objectives）					
			0.5X		1.5X		2X	
	Working Distance 100mm		Working Distance 165mm		Working Distance 45mm		Working Distance 30mm	
	Magnification	Field Of View	Magnification	Field Of View	Magnification	Field Of View	Magnification	Field Of View
10x/20	7x	28.6	3.5x	57.1	10.5x	19	14x	14.3
	50x	4.4	22.5x	8.9	67.5x	3	90x	2.2
15x/15	10.5x	21.4	5.25x	42.8	15.75x	14.3	21x	10.7
	67.5x	3.3	33.75x	6.7	101.25x	2.2	135x	1.7
20x/10	14x	14.3	7x	28.6	21x	9.5	28x	7.7
	90x	2.2	45x	4.4	135x	1.5	180x	1.1

PARTS LIST

2. Part list



Notice:
The main difference between model 7045P-STL2 and 7045P-B1 Is the base.

INSTALLATION



1. Base
2. Stand column
3. Double arm boom stand
4. Bracket connection rod
5. Wrench A
6. Wrench B
7. A1 Bonder arm
8. Simul-Focal trinocular stereo head
9. Accessories



Step1:
Insert the stand column(2) into the base(1) and tighten it.



Step2:
Insert the double arm boom stand(3) into the column(2) and fix it with the knob.



Step3 :
Insert wrench A(5) into the hole of the bracket connection rod(4).



Step4:
Insert the bracket connection rod(4) into the boom stand(3) and make it firm by wrench A(5).



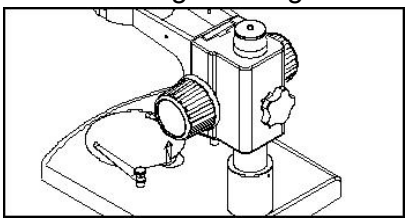
Step5:
Loose the cover on connection rod(4),Insert A1 bonder arm(7) into the connection arm and tighten the cover.



Step6:
Insert the simul-focal trinocular stereo head(8) into the hole of A1 bonder arm(7) and fix it with the screw.

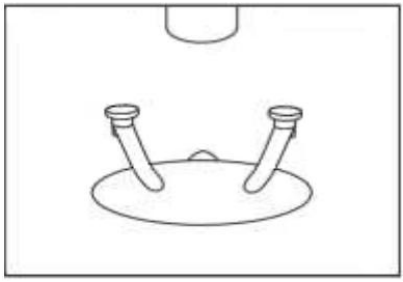
INSTALLATION AND USE

3-1. Use the glass stage



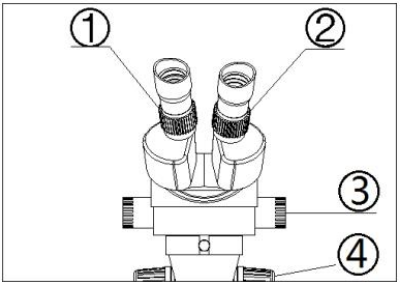
Press the glass stage on the sunken place then the other side of the glass stage will be lifted.

3-2. Set the specimen slide



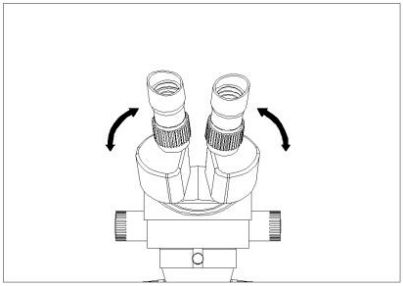
Set the specimen on the center of stage plate. If necessary, clamp the slide with the clips

3-3. Adjust the specimen slide



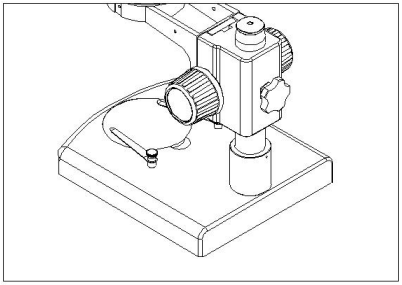
1. Turn the zoom control knob ③to the maximum magnification.
2. Turn the diopter adjusting rings to the zero.
3. Observe the specimen through the right eyepiece and make the image clear by turning the focusing knob④.
4. Rotate the zoom control knob to the minimum magnification.
5. Observe the specimen through the right eyepiece and make the image clear by turning the right diopter adjusting ring②.
6. Redo the step(1),(3),(4)and(5) till the right adjusting ring is more precise.

3-4. Adjust the interpupillary distance



Adjust the prism housing along the direction of arrowhead of the (Fig.4) till the observation is comfortable.

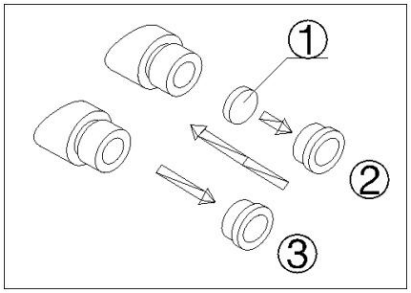
3-5. Hand wheel adjustment



1.If you want to adjust degree of tightness of the focusing arm, you can hold one of the focusing knobs and turn another one to attain a suitable position. The degree of tightness relies on the direction to be turned. The clockwise direction is tight, otherwise, is loose.

2.The suitable position of tightness can make the adjustment more comfortable and prevent the focusing bracket from slipping down by its weight during the observation.

3-6. Mount and Remove the Optional Eyepiece Micrometer



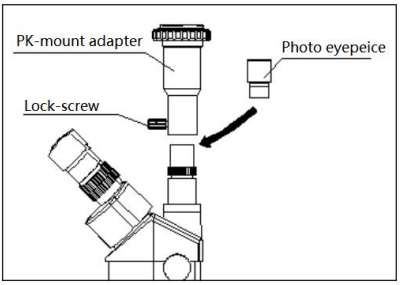
1. Turn and remove the mounting ring ② from the eyepiece.
2. Clean the eyepiece micrometer① and mount it to the mounting ring with the inscription side downward.
3. Gently twist the mounting ring with the eyepiece micrometer into the eyepiece till tightening② securely.
4. To remove the eyepiece micrometer, take down the mounting ring③ by twisting and take out of the micrometer, and then wrap it.

3-7. Use Eyepiece shields

3-7-1. For user who does not wear glasses, hold the diopter-adjusting ring to prevent them from rotating and turn the eyepiece till the eyepiece shields fit the observer well.

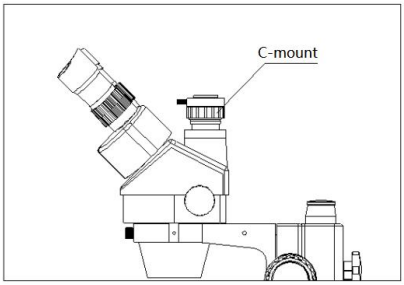
3-7-2. For user who wears glasses,take the eyepiece shields off before observation.

3-8. Mount the photo eyepiece and the PK-mount adapter



1.Put the photo eyepieces socket of the trinocular.
2.Connect the PK-mount adapter with the photo eyepiece, and then tighten the lock-screw.

3-9. Adjust the CTV



1. Adjust the CTV to a suitable position by rotating C-mount.

2. Note: The range of the adjustment:1~2mm in general.

MAINTENANCE

1. All lenses must be kept clean. Fine dust on the surface of the lens should be blown off with hand blower or wiped off gently with a soft lens tissue; Fingerprints or oil marked on it should be wiped off with a tissue moistened with a small amount of xylene or a 3:7 mixture of alcohol and ether.
2. Never use the organic solution to clean the other surface （especially the plastic surfaces）. If necessary, please choose the neutral detergent.
3. Do not take the microscope apart for fearing that it is damaged.
4. After using, cover the microscope with the dust-cover provided and store it in a dry and clean place free from moisture to prevent rust.
5. To keep the performance of the microscope, please check it periodically. The detail can be gotten from the agent nearby.

TOUBLESHOOTING SCHEDULE

The performance of the microscope can't be made fully because of unfamiliar using, this table will give some advices.

Trouble	Cause	Remedy
1、Double images	Interpupillary distance is not correct	Readjust it
	Diopter adjustment is not correct	Readjust it
	Magnification of each eyepiece is not the same size	Mount the same size eyepiece
2、Dirt appears in the field of view	Dirt on the specimen	Clean the specimen
	Dirt on the surfaces of eyepiece	Clean the surface
3、Image is not clear	Dirt on the surfaces of the objectives	Clean the objectives
4、Image is not clear while the focus changing	Diopter adjustment is not correct	Readjust the diopter
	Focus is not correct	Readjust the focus
5、The focusing knob is not	The focusing knob is too tight	Loosen it to a suitable position
6、The image is obscure because of the head slipping down by itself	The focusing knob is too loose	Loosen it to a suitable position
7、Eyes fell tired easily	Diopter adjustment is not correct	Adjust the diopter
	Brightness of light is not correct	Adjust the brightness
8、Incision image appears in the field of view or of the video view	The pole is not in correct position	Pull or push it to the correct position

9、 The image on the monitor is not clear when the focusing knob is turned.	The focus of video is not correct	Readjust the focus of video to a correct position

