



SX25

User Guide

SX25 Stereo Zoom Microscope

SX25 Stereo Zoom Microscope

Vision Engineering manufacture a wide range of patented optical systems, offering fatigue-free viewing with superb hand-eye co-ordination, for improved quality and productivity.

To achieve the most from this precision instrument, please read the enclosed assembly instructions, usage and maintenance guidelines.

Safety Statement

Bench stand

Electrical Supply

- Voltage: Electrical description: AC110V-240V 50Hz/60Hz 15W
- Impulse withstand (over voltage): 400V

Environmental Conditions

- Indoor use only
- Maximum altitude: 2000M above sea level
- Ambient operating temperature: between 5°C and 40°C
- In accordance with ISO 9022-2, storage temperature should not exceed more than 55°C for a maximum of 16 hours and -40°C for a maximum of 16 hours.
- Relative humidity specification: Operating temp up to 31°C: 80%, 34°C: 70%, 37°C: 60% and 40°C: 50%
- Mains voltage supply fluctuations not to exceed $\pm 10\%$ of nominal voltage
- If equipment is not used in a manner as specified, protection provided by the equipment may be impaired
- The product should be located such that the power supply can be unplugged in the event of an emergency

LED Ringlight

Electrical Supply

- Voltage: Electrical description: 100-240VAC 50/60HZ 280mA

Environmental Conditions

- Indoor use only
- Ambient operating temp: between 0°C and 40°C
- Storage temperature: between 0°C and 40°C for 3 months without any adverse effects
- Relative humidity specification: Operating temp up to 45°C: 80%, 28°C: 70%, 20°C: 60% and 16°C: 50%
- Mains voltage supply fluctuations not to exceed $\pm 9\%$ of nominal voltage
- If equipment is not used in a manner as specified, protection provided by the equipment may be impaired
- The product should be located such that the power supply can be unplugged in the event of an emergency

PACKING CONTENTS

Binocular head	1
Bench stand	1
Boom stand	2
Articulated arm	2
Optional accessories	3

ASSEMBLY

Binocular head	4
Eyepieces	4
Bench stand	5
Boom stand	6
Articulated arm	7
LED ringlight	8

OPERATION & SETUP

Binocular head	9
Bench stand	9
Boom stand	10
Articulated arm	10

OTHER SOLUTIONS FROM VISION ENGINEERING

Stereo microscopes	12
Non-contact measuring systems	13

SERVICE RECORD

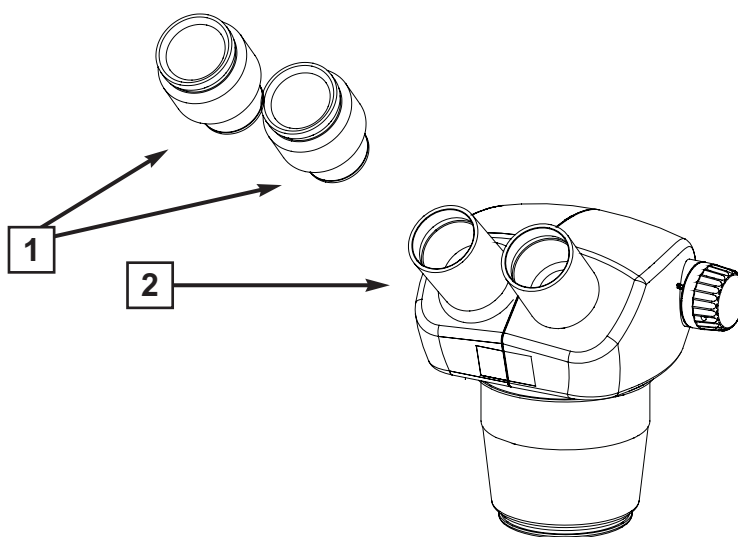
Head serial number
Bench stand serial number
Service record

WARRANTY

Binocular head

1 Eyepieces

2 Head



Bench stand

1 Column & stand

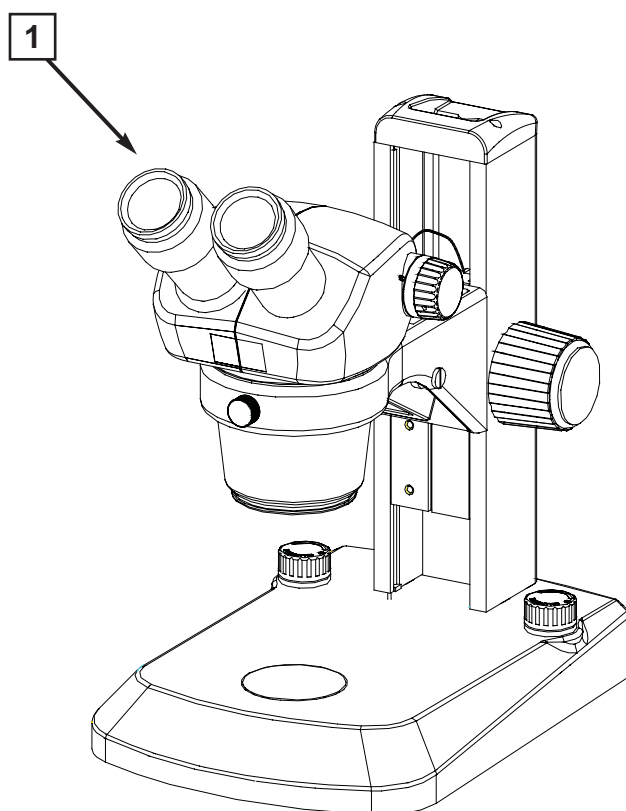
2 Mains lead (not shown)

3 Glass stage insert (not shown)

4 Plastic stage insert (not shown)

5 Spare fuses (not shown)

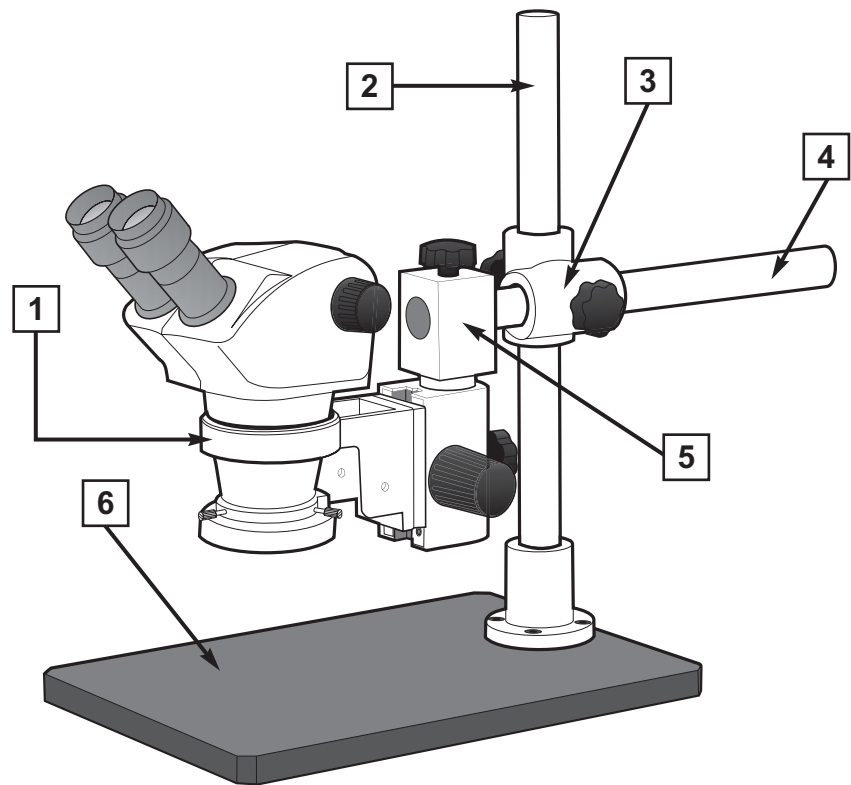
6 Hexagonal key (not shown)



PACKING CONTENTS

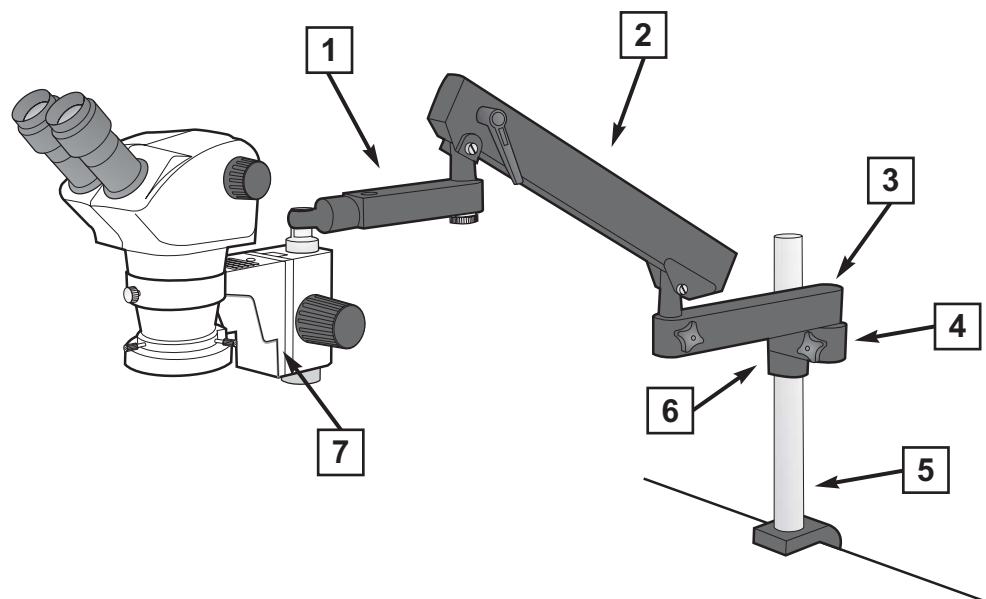
Boom stand

- 1** Focusing arm
- 2** Vertical bar
- 3** Boom clamp
- 4** Horizontal bar
- 5** Focusing clamp bolt
- 6** Base
- 7** Hexagonal key (not shown)



Articulated arm

- 1** Focus arm link
- 2** Ergonomic beam
- 3** Secondary link
- 4** Link collar
- 5** Bench mount
- 6** Securing collar
- 7** Focusing arm



Optional accessories

10x/20 Eyepieces

15x/16 Eyepieces

20x/11 Eyepieces

Eye cups

Graticule

Objective 1.5x

Objective 2.0x

Stage micrometer

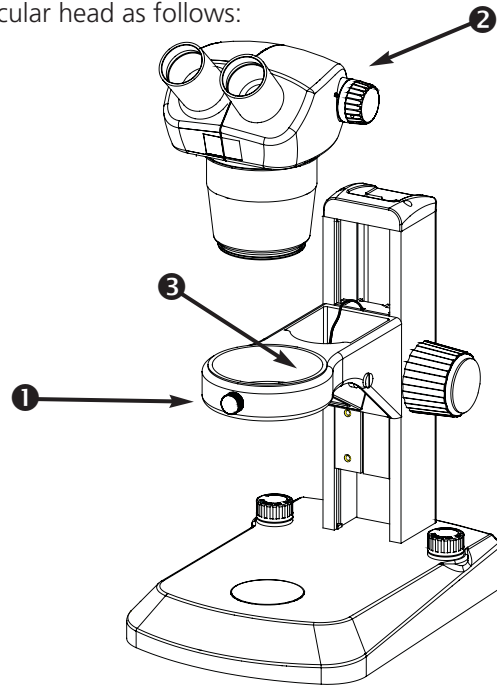
LED Ringlight

Binocular Head

Ensuring all components are clean and dust-free, attach the binocular head as follows:

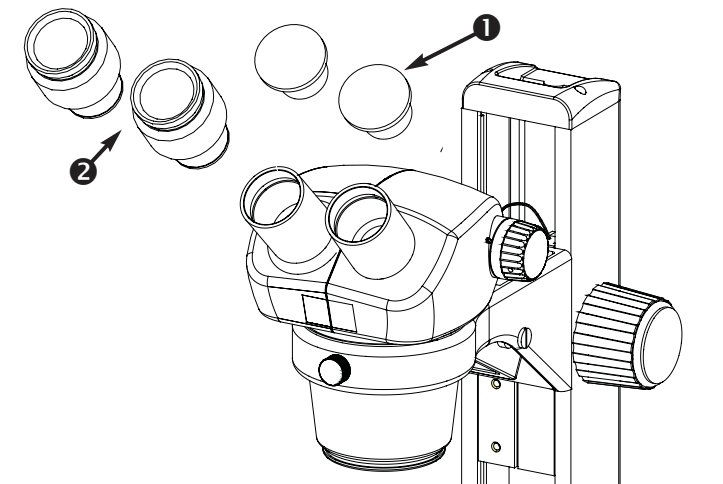
- ▶ Loosen the securing screw ❶.
- ▶ Lower the head ❷ into the location ring ❸.
- ▶ Tighten the securing screw ❶.

Warning: With the head in place, always support the column and base when moving the instrument.



Eyepiece attachment

- ▶ Remove the protective caps ❶ from the eyepiece sockets ❷.
- ▶ Insert the eyepieces ❷ into the sockets.

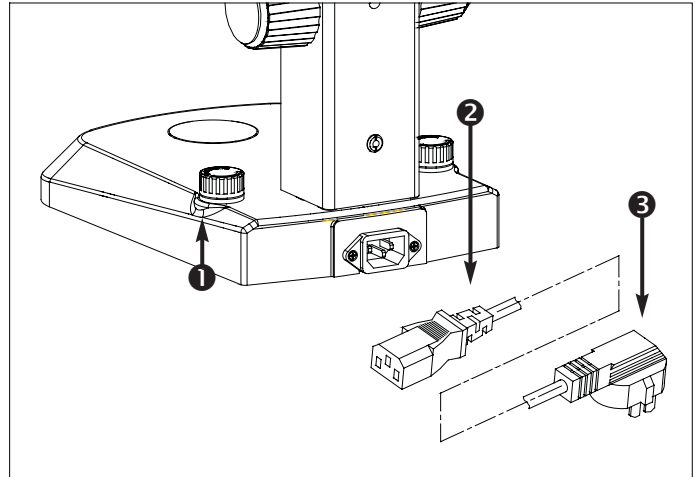


Bench stand

Place the bench stand on a flat and even surface in a clean and dry environment.

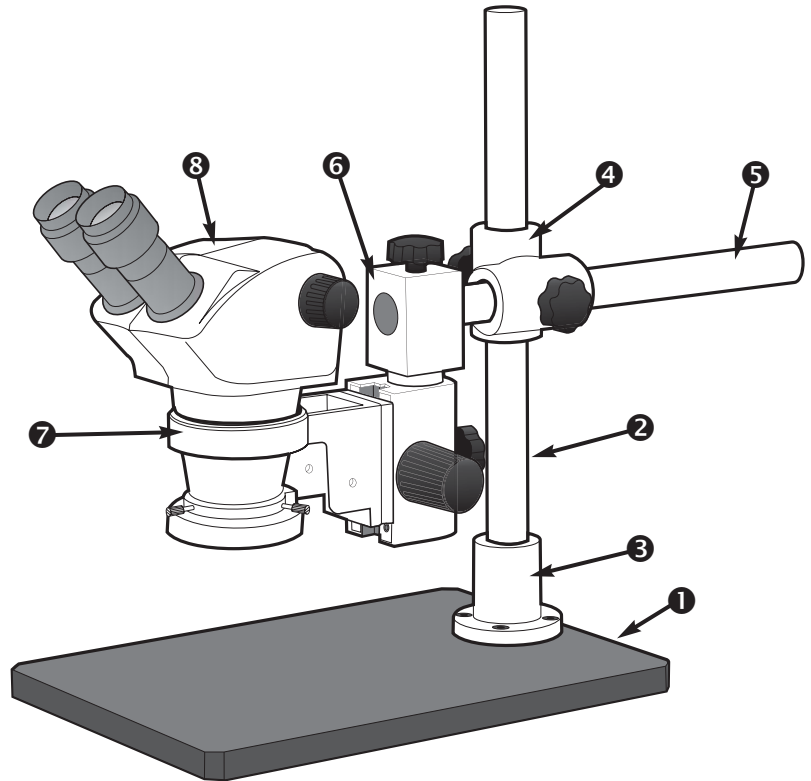
Power lead connection

- ▶ Turn both the left and right illumination controls, to the off position. ❶
- ▶ Plug the IEC connector ❷ into the rear of the SX25 stand.
- ▶ Connect the mains plug ❸ to a suitable mains power socket.

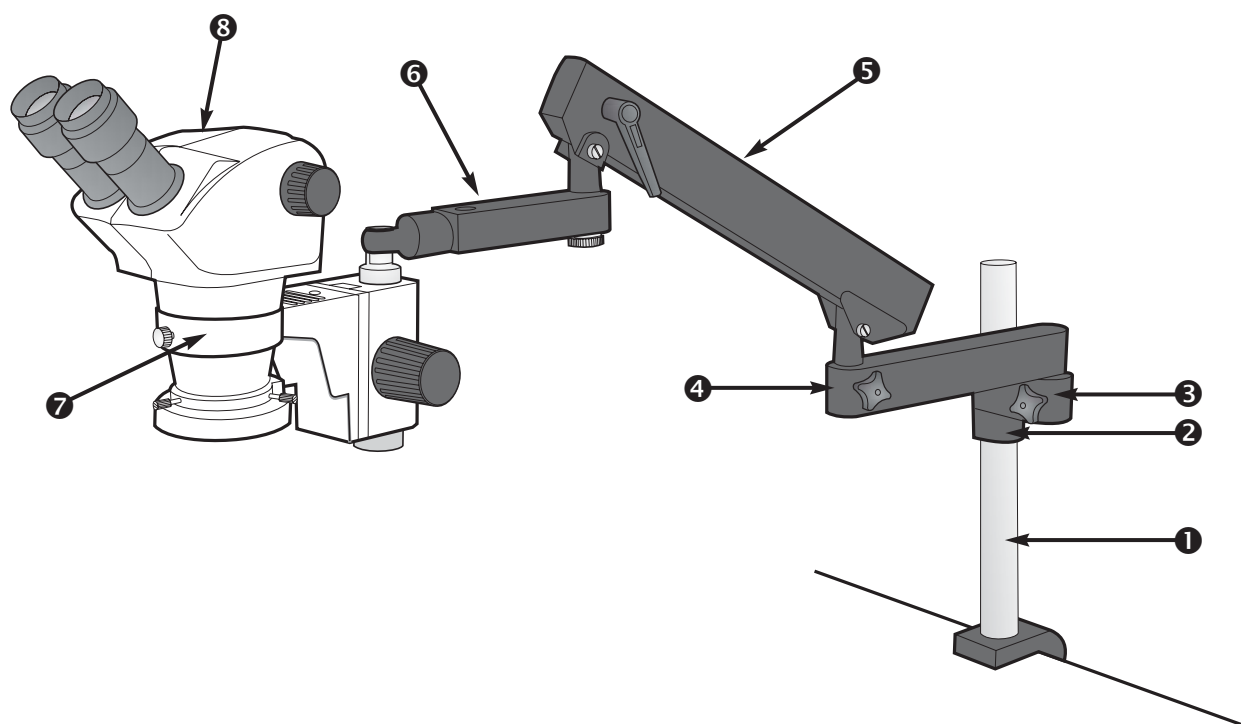


Boom stand

- ▶ Place base **1** on a flat and even surface.
- ▶ Insert the vertical bar **2** into support **3** and tighten screws.
- ▶ Slide clamp **4** over the vertical bar **3** and secure.
- ▶ Slide horizontal bar **5** through the clamp **4** and secure.
- ▶ Attach the focusing arm mount **6** to the horizontal bar **5** and secure.
- ▶ Attach the focusing arm **7** to focusing arm mount **6** and secure.
- ▶ Position and secure head **8**.

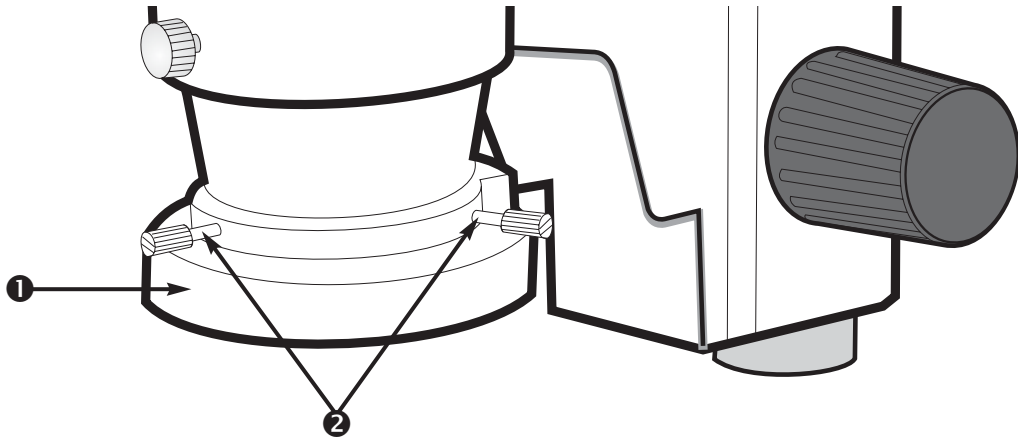


Articulated arm



- ▶ Secure bench mount **1** to work surface using clamp.
- ▶ Slide the securing collar **2** over the mount **1** and secure.
- ▶ Slide the link collar **3** over the mount **1** and secure.
- ▶ Insert secondary link **4** into the link collar **3** and secure.
- ▶ Insert the ergonomic beam **5** into the secondary link **4** and secure.
- ▶ Attach the focus arm link **6** to the ergonomic beam **5** and secure.
- ▶ Connect focusing arm **7** to the focus arm link **6** and tighten the screw at the back and the nut at the bottom until secure.
- ▶ Insert head **8** into the focusing arm **7** and secure.

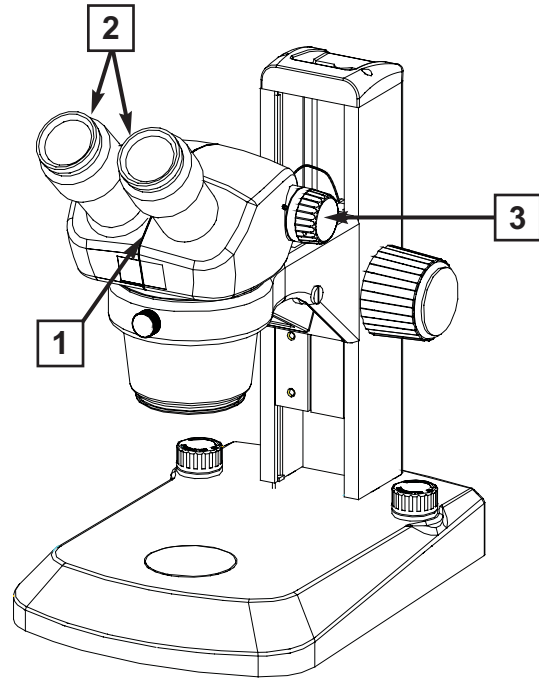
LED ringlight (optional)



- ▶ Slide the LED ringlight ❶ over the bottom of the head of the microscope.
- ▶ Secure with screws ❷.
- ▶ Connect power lead, and plug in.

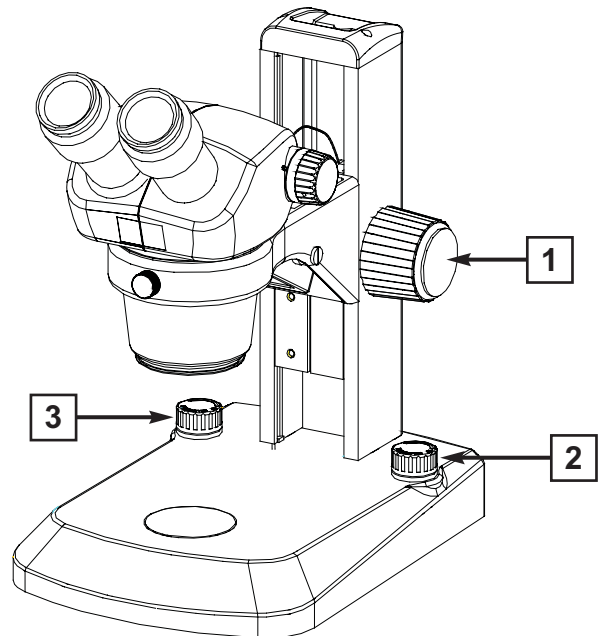
Binocular head

- 1** Interpupillary adjustment
- 2** Diopter adjustment
- 3** Zoom controls (one each side)



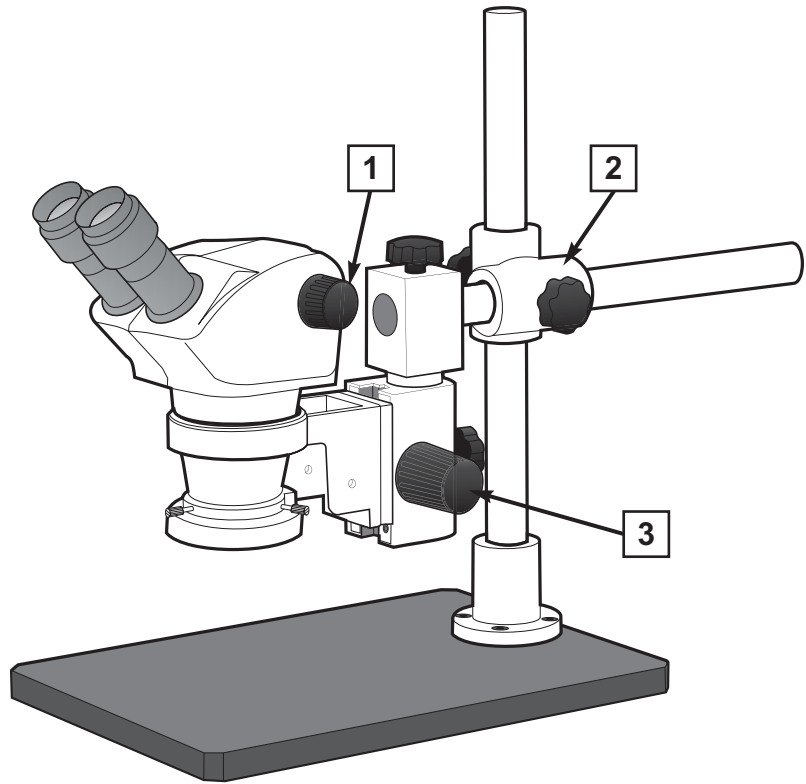
Bench stand

- 1** Focus controls (one each side)
- 2** Brightness adjustment control
- 3** Brightness adjustment control



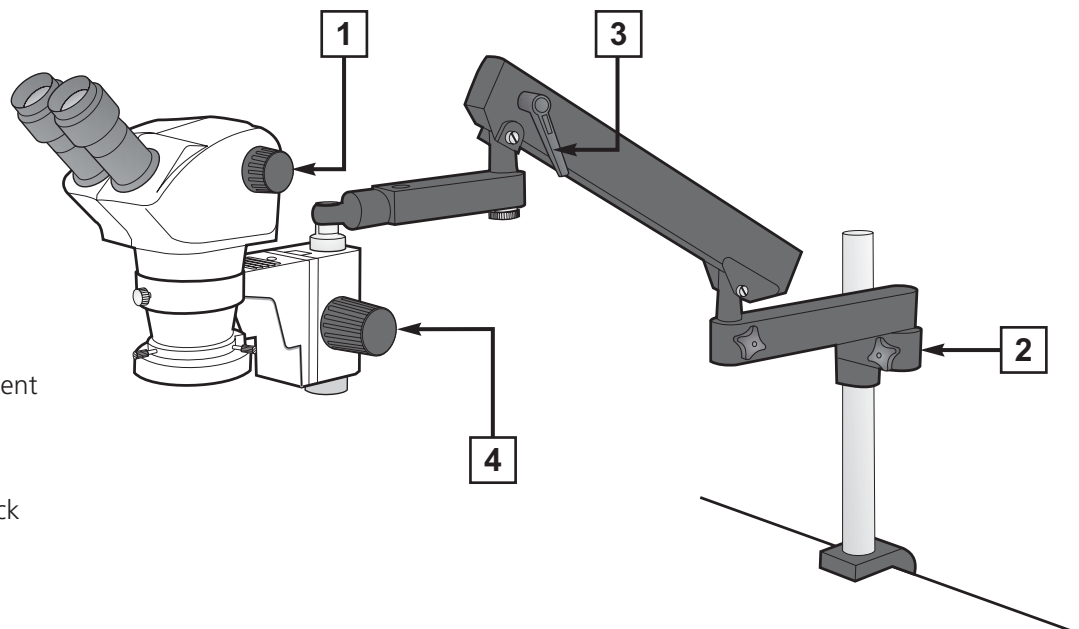
Boom stand

- 1** Zoom
- 2** Height/reach adjustment
- 3** Focus



Articulated arm

- 1** Zoom
- 2** Height adjustment
- 3** Position and lock
- 4** Focus



Head serial number _____

Bench stand serial number _____

Service Type	Comments	Date of service	Date of next service	Company	Signature



WARRANTY

This product is warranted to be free from defects in material and workmanship for a period of one year from the date of invoice to the original purchaser.

If during the warranty period the product is found to be defective, it will be repaired or replaced at facilities of Vision Engineering or elsewhere, all at the option of Vision Engineering. Shipment costs for warranty repairs, to and from Vision Engineering facilities will not, normally, be borne by Vision Engineering. However, Vision Engineering reserves the right to refund the purchase price if it is unable to provide replacement, and repair is not commercially practicable or cannot be timely made. Parts not of Vision Engineering manufacture carry only the warranty of their manufacturer. Expendable components such as fuses carry no warranty.

This warranty does not cover damage in transit, damage caused by misuse, neglect, carelessness or damage resulting from either improper servicing or modification by other than Vision Engineering approved service personnel. Further, this warranty does not cover any routine maintenance work on the product described in the user guide or any minor maintenance work which is reasonably expected to be performed by the purchaser.

No responsibility is assumed for unsatisfactory operating performance due to environmental conditions such as humidity, dust, corrosive chemicals, deposition of oil or other foreign matter, spillage or other conditions beyond the control of Vision Engineering.

Except as stated herein, Vision Engineering makes no other warranties, expressed or implied by law, whether for resale, fitness for a particular purpose or otherwise. Further, Vision Engineering shall not under any circumstances be liable for incidental, consequential or other damages.

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