

# **GURUDUTT SHALEYA SAHITYA**

## **PRODUCT CATALOGUE**

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**2014-2015**

- **Microscopes**
- **Lab Testing & Pharma instruments**



# GURUDUTT SHALEYA SAHITYA



## **GSS Dissecting Microscope**

### **GSS-MD-1**

With round base having all brass parts with 10x and 20x eyepieces. The stage 85mm x 75mm provided with spring stage clips, has a glass plate with arrangement for inserting white metal plate for background. Sub stage plano-concave mirror reflects sufficient daylight & artificial light on the object. Detachable hand rests on both sides of stage provided for a sturdy support during dissection.



## **GSS Dissecting Microscope**

### **GSS-MD-1A**

Same as above with all Bakelite parts instead of brass parts in thermo Cole box.



## **GSS Senior Dissecting Microscope**

### **MD-2**

Has heavy round base with a precisely designed body. Sensitive focusing is done by rack-pinion movement. A joint revolving arm is provided for moving magnifying lens over full area of the stage. It is easily replaceable by a special bulls eye lens (83mm dia.) to increase the field of vision. A plano-concave mirror reflects sufficient day light and artificial light on the object. Detachable hand rests on both sides of stage provided for a study support during dissection. Provided with 10x & 20x eye pieces and special bulls eye lens (83mm dia.). Packed in wooden carrying cabinet

# GURUDUTT SHALEYA SAHITYA



## **GSS Single Nose Microscope**

### **BM-1**

Focussable by rack and pinion smooth motion, with 10x objective & 10x eye piece. Total magnification 100x.



## **GSS Junior Student Microscope**

### **BM-2**

With triple revolving nosepiece, fixed square stage, rack and pinion focussing, Iris diaphragm with following optics

**Eye Piece:** 10x

**Objectives:** 10x and 45x



## **GSS Compound Student Microscope**

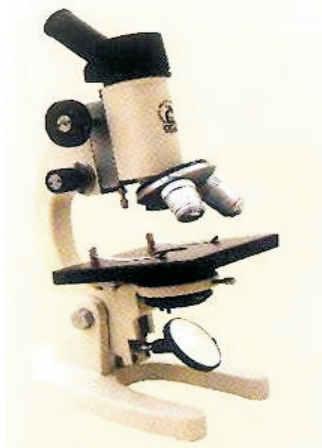
### **BM-3**

With IS : 3686: 1966 new improved model as per ISI Mark Specifications with coarse and fine motion, triple revolving nose piece and iris diaphragm with fixed condenser N.A. 1.20 complete with optics in thermocole box.

**Eye Piece** 10x and 15x

**Objectives** 10x and 45x

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## GSS Compound Student Microscope

### BM-3B

With coarse and fine motion, triple revolving nose piece, 360° revolving inclined tube, iris diaphragm with fixed condenser N.A. 1.20, complete with following optics, in thermocol box.

**Eye piece:** H10x and 15x

**Objective:** 10x and 45x



## GSS Junior Medical Microscope

### BM-4

New improved model as per ISI Mark specifications with precise slow motion rack and pinion motion of the condenser unit N.A. 1.20 with following optics in thermocol packing.

**Eye Piece :** H 10x and H 15x

**Objective :** 10x and 45x



## GSS Senior Laboratory Medical Microscope

### BM-5

New improved model as per ISI specifications with precise graduated slow motion reading to 0.002mm, rack and pinion motion of the condenser unit N.A. 1.20 and detachable mechanical stage with following optics in thermo Cole packing.

**Eye Piece** 10x, 15x or 5x (any two) or WF 10x  
**Objectives** 10x, 45x (SL), 100x (SL) Oil immersion

(a) Completes as above with A grade Indian optics.

(b) Completes as above with Indian optics 100x oil

immersion having imported lenses

Extra charges for graduated draw tube.

Extra charges for wooden box (for model no.: BM2, BM3,



# GURUDUTT SHALEYA SAHITYA



## GSS Research Inclined Monocular

### BM-6mo

With quadruple revolving nose piece, coaxial mechanical stage, graduated precise slow motion, reading to .002 mm condenser unit N.A. 1.25 with iris diaphragm with built in light arrangement having 6v-20w halogen lamp and solid state variable light control arrangement, complete in thermocole box with following optics.

**Eye Piece :** 10x W.F.

**Objectives:** 5x, 10x, 45x (SL), 100x(SL) Oil Immersion

- (a) Completes as above with A grade indian optics.
- (b) Completes as above with indian optics & 100x oil immersion having imported lenses.
- (c) Completes as above with all optics having imported lenses.



## GSS Binocular Microscope

### BM-6bi

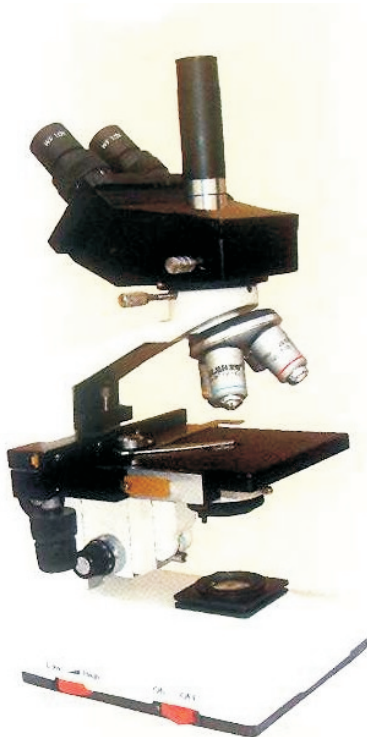
With quadruple revolving nose piece, coaxial mechanical stage, binocular head with hard coated prisms, graduated precise slow motion, with built in light arrangement having 6v-20w halogen lamp and solid state light control arrangement complete in box with following optics

**Eye :** W.F. 10x (paired)

**Objectives :** 5x, 10x, 45x (SL), 100x (SL) Oil immersion

- (a) Completes as above with A grade indian optics.
- (b) Completes as above with indian optics & 100x oil immersion having imported lenses.

# GURUDUTT SHALEYA SAHITYA



## GSS Research Trinocular Microscope

### BM-6tr

New improved model with quadruple nose piece having positive click stops based on balls, trinocular head with hard coated prisms, co-axial focussing based on 4 stage gear reduction system, traveling on ball guides, locking device in coarse motion to avoid damage to valuable slides, built in light arrangement having 6v-20w halogen lamp and solid stage variable light control system. Complete as above in the thermocole packing with following optics.

**Eye Piece :** 5x & WF 10x (paired)

**Objectives:** 5x, 10x, 45x (SL), 100x (SL) Oil immersion

- (a) Completes as above with A grade indian optics.
- (b) Completes as above with indian optics & 100x oil immersion having imported lenses.
- (c) Complete as above with all optics having imported lenses.



## GSS Wide Field Research Inclined Binocular Microscope

### BM-7 bi

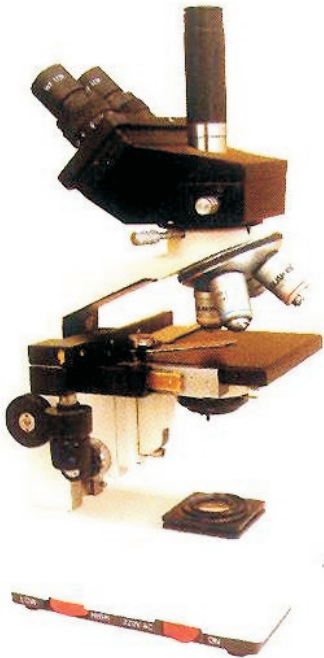
New improved model with quadruple ball bearing nose piece, rotatable binocular head with hard coated prisms, separate coarse and fine motion knobs with locking device to avoid damage to valuable slides. Co-axial mechanical stage, built in light arrangement having 6v-20x halogen lamp. Complete as above thermocole packing with following optics.

**Eye Piece :** H 5x & WF 10x (paired)

**Objectives:** 5x, 10x 45x (SL) & 100 x (SL) Oil immersion

- (a) Completes as above with A grade indian optics.
- (b) Completes as above with indian optics & 100x oil immersion having imported lenses.
- (c) Complete as above with all optics having imported lense

# GURUDUTT SHALEYA SAHITYA



## **GSS Wide Field Research Inclined Trinocular Microscope**

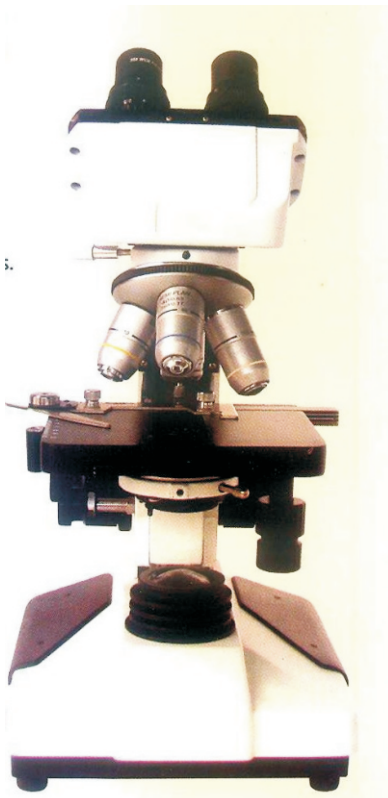
### **BM-7 tr**

New improved model with quadruple ball bearing nose piece, trinocular head with hard coated prisms, separate coarse and fine motion knobs with locking device to avoid damage to valuable slides. Co-axial mechanical stage, built in light arrangement having 6v-20x halogen lamp. Complete as above in plywood cabinet or thermocole packing with following optics.

**Eye Piece :** H 5x & WF 10x (paired)

**Objectives:** 5x, 10x 45x (SL) & 100 x (SL) Oil immersion

- (a) Completes as above with A grade indian optics.
- (b) Completes as above with indian optics & 100x oil immersion having imported lenses.
- (c) Complete as above with all optics having imported lenses.



## **GSS Wide Field Research Inclined Binocular Microscope**

### **BM-8bi**

New improved model with quadruple nose piece having positive click stops based on balls, rotatable binocular head with hard coated prisms, co-axial focusing based on 4 stage gear reduction system, traveling on ball guides, locking device in coarse motion to avoid damage to valuable slides, built in co-axial mechanical stage for slide manipulation, built in light arrangement having 6v-20w halogen lamp and solid stage variable light control system. Complete as above in thermo Cole packing with following optics.

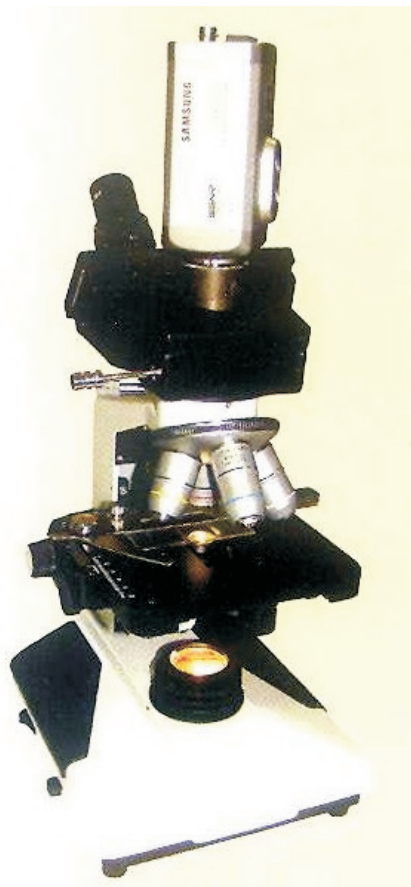
**Eye Piece** 5x & WF 10x (paired)

**Objectives:** 5x, 10x, 45x (SL), 100x (SL) Oil immersion

- (a) Completes as above with A grade Indian optics.
- (b) Completes as above with Indian optics & 100x oil immersion having imported lenses.
- (c) Complete as above with all optics having imported



# GURUDUTT SHALEYA SAHITYA



## **GSS Wide Field Research Inclined Trinocular Microscope**

### **BM-8tr**

New improved model with quadruple nose piece having positive click stops based on balls, trinocular head with hard coated prisms, co-axial focusing based on 4 stage gear reduction system, traveling on ball guides, locking device in coarse motion to avoid damage to valuable slides, built in light arrangement having 6v-20w halogen lamp and solid stage variable light control system. Complete as above in the thermo Cole packing with following optics.

**Eye Piece:** 5x & WF 10x (paired)

**Objectives:** 5x, 10x, 45x (SL), 100x (SL) Oil immersion

- (a) Completes as above with A grade Indian optics.
- (b) Completes as above with Indian optics & 100x oil immersion having imported lenses.
- (c) Complete as above with all optics having imported lenses.



## **GSS Advanced Microscopes**

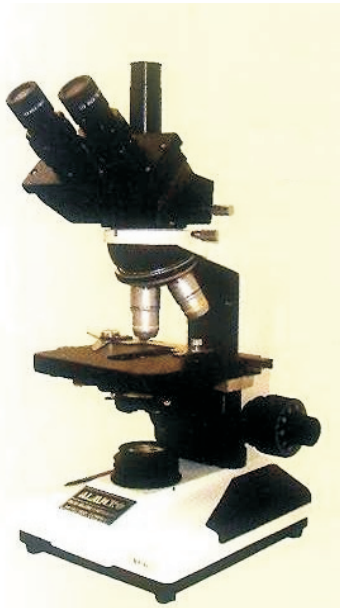
### **BM-9bi**

A much bigger robust microscope compared with our BM-8bi and 30° inclined observation head Siden Top Model fitted with extra prisms for clarity and contrast. High degree performance and resolution is achieved through multilayer anti reflection coating on prisms. Heavy duty quadruple nose piece having ball bearing co-axial coarse and fine motion knobs on both sides based on a 4 stage gear reduction system travelling on ball guides. A large stage (145mm x 125mm) fitted with mechanical stage having low drive co-axial knobs travelling on balls. Built in halogen base 6v-20w halogen light source with light intensity regulator complete as above with hard coated imported lenses mounted in India. Nicely packed in thermocole and wooden packing with following PARAFOCALISED & PRECENTRED OPTICS

**Eye Piece** Extra large WF 10x & H 5x (paired)

**Objectives** 5x, 10x, 45x (SL), 100x (SL) (Din Size)

# GURUDUTT SHALEYA SAHITYA



## **GSS Advanced Trinocular Microscope**

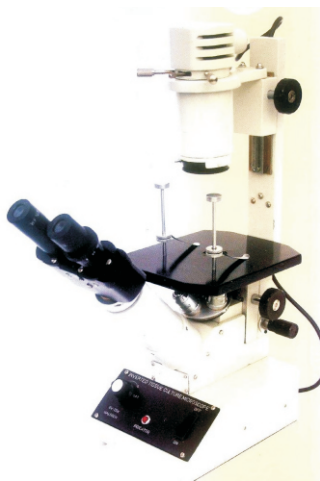
### **BM-9tr**

Same as above (BM-9bi) but fitted with an trinocular head having coated prisms to incorporate a any kind of camera (i.e. a video capturing device ora digital camera)

**Eye Piece:** H 5x & WF 10x (paired)

**Objectives:** 5x, 10x, 45x (SL), 100x (SL) Oil immersion

Extra charges for wooden box for model no.: BM-9bi, BM-9tr



## **GSS Tissue Culture Microscope**

### **TM-8**

Almicro Inverted Tissue Culture Microscope Inverted Binocular Microscope for tissue culture examination having coarse and fine adjustment, incident lamp with variable light control arrangement, with long working distance objectives and binocular head, complete with following optics in box.



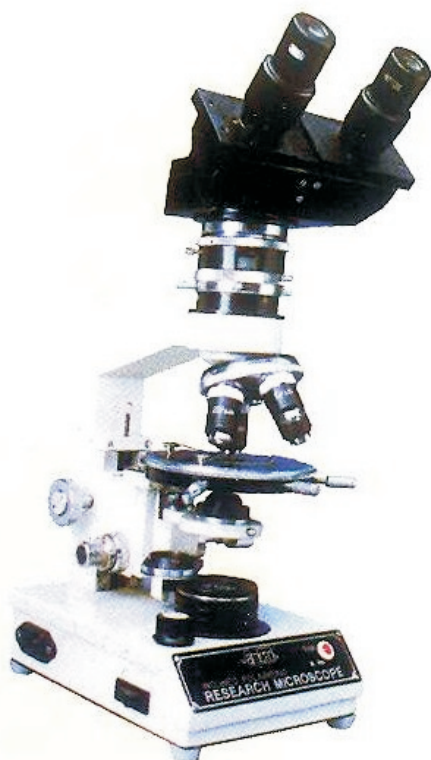
## **GSS Straight Polarising Microscope**

### **PM-9**

Having circular stage rotatable in 360 degree, graduated with vernier reading upto 0.1 degree, complete with following optics.



# GURUDUTT SHALEYA SAHITYA



## **GSS Binocular Polarising Microscope**

### **PM-11**

With triple revolving nose piece, circular stage, rotatable in 360 degree, graduated with vernier reading upto 0.1 degree with provision for centering by two knobs located just below the circular stage, polarizing with swing out system. Compact analyser head having iris diaphragm, Bertand lens. Analyser rotating ring and half/full wave compensator with following optical combination.

**Eye Piece** 5x, 15x (with cross) & 10x (with ocular)

**Objectives** 5x, 10x and 45x



## **GSS Student Metallurgical Microscope**

### **MM-1**

Monocular inclinable body having coarse and fine motion. Bright field horizontal illuminator with iris diaphragm and slots for dropping filter. Triple revolving nosepiece. Supplied with variable light control transformer and following optics in box.

**Eye Piece** WF 10x and H 15x(paired)

**Objectives** M10x and M45x (SL)

- (a) Complete as above with A grade indian optics.
- (b) Complete as above with all optics having imported lenses.

# GURUDUTT SHALEYA SAHITYA



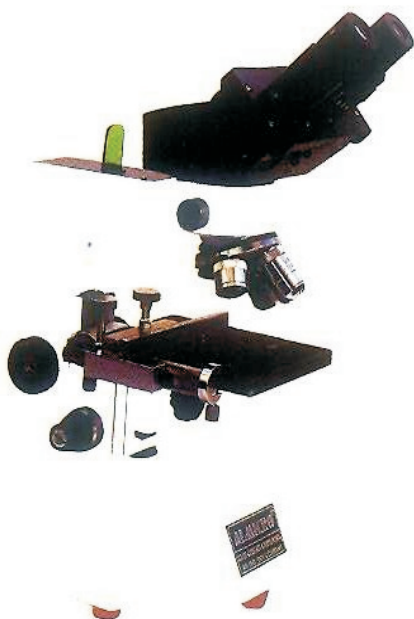
## **GSS Inclined Metallurgical Microscope**

### **MM-2**

Fitted with Monocular observation tube inclined at 45. Bright field horizontal illuminator with centering provision, field and aperture diaphragm and slots for dropping filter. Quadruple revolving nose piece. Special graduated mechanical stage, supplied with variable light control transformer and following optics in box.

**Eye Piece**      WF 10x and H 15x(paired)  
**Objectives**    M10x and M45x (SL)

- (a) Complete as above with A grade indian optics.
- (b) Complete as above with all optics having imported lenses.



## **GSS Binocular Metallurgical Microscope**

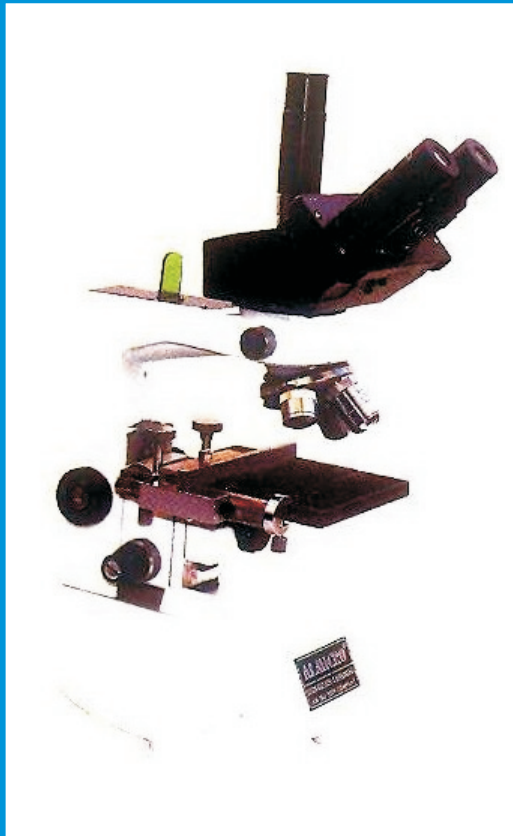
### **MM-3**

Fitted with Binocular head assembled from hard coated prisms. Bright field horizontal illuminator with centring provision, Quadruple revolving nose piece, straight tube for photomicrography, special graduated mechanical stage, supplied with variable light control transformer and following optics in box.

**Eye Piece :**              WF 10x and H 15x (Paired)  
**Objectives :**            M10x and M45x (SL)

- (a) Completes as above with 'A' grade indian optics.
- (b) Complete as above with all optics having imported lenses.

# GURUDUTT SHALEYA SAHITYA



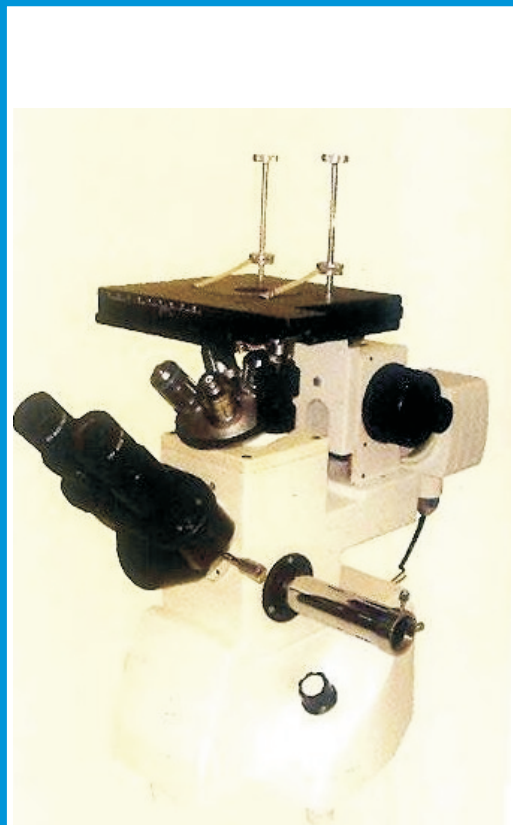
## **GSS Trinocular Metallurgical Microscope**

### **MM-4**

Fitted with trinocular head assembled from hard coated prisms. Bright field horizontal illumination with centering provision, iris diaphragm and slots for dropping filters. Quadruple revolving nose piece, special graduated mechanical stage, variable light control transformer built in the large sturdy base, with plywood carrying cabinet.

**Eye Piece :** WF 10x and H 15x (Paired)  
**Objectives :** M10x and M45x (SL)

- (a) Completes as above with A grade indian optics.
- (b) Complete as above with all having imported lenses.



## **GSS Inverted Metallurgical Microscope**

### **MM-5**

A latest binocular inverted metallurgical microscope having co-axial, coarse and fine motion assembled on ball bearing guides, equipped with horizontal illuminator with centering provision, field and aperture diaphragm and slots for dropping filters. Built in base variable solid state transformer. Large sturdy stage with X-Y axis movements. Coarse and fine focusing knobs, supplied with two coloured filters in metal mount, raxine cover, complete in box.

**Eye Piece** WF 10x (paired)  
**Objectives** M5x, M10x, M20x, M40x/45x

- (a) Complete as above with all optics having imported lenses.

Note

Extra charges for Trinocular head instead of Binocular head

# GURUDUTT SHALEYA SAHITYA



## **GSS Profile Projector**

### **KW-800**

Having 200mm dia rotatable graduated screen & triple revolving nose piece. Halogen bulb (12v 100W) with state variable light control built in transformer workable on 220V AC main. Stage X-Y movement on ball bearing slides. Having Micrometre (50mm dia) LC. .01 or 0.005mm Fixed magnification 10x to 80x. Having both transmitted & incident light in card board box.



## **GSS Tool Makers Microscope**

### **KW-900**

With X-Y movement on ball bearing slides. Having Micrometer (50 mm dia) L.C. 0.01 to 0.005 mm with goniometer. Fixed magnification 30x. Having both transmitted & incident light in wooden box.



## **GSS Brinell Microscope**

### **MM-6**

7 mm Graticule Scale  
Battery illuminated(L.E.E.D.)

**Magnification :** 30x  
**Field of view :** 9 Mm

Measuring Accuracy : 2-3 microns



# GURUDUTT SHALEYA SAHITYA



## **GSS Photomicrography Equipment**

### **APM-20**

Comprising of an imported 35mm SLR Camera, with standard microscope adopter, cable release, Plox Eye piece and standard lens for routine photography.



## **GSS Coloured Video Equipment**

### **ACVT-30**

Consists of CCD Colour camera head and coloured video monitor. The compact CCD (charge coupled device) colour camera head is specially designed for Microscopic specimens. It is supplied complete with Camera Adopter (Power Supply) for use on 220 Volt AC and C Mount Microscope adopter suitable for all Research /Stereoscopic/ Metallurgical/ Fluorescence Microscopes. Coloured Video Monitor is high resolution 14" colour monitor to match with colour camera head. It has brightness control and contrast adjustment.



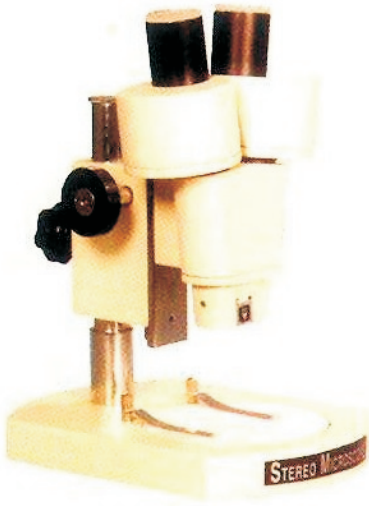
## **GSS Coloured Video Equipment**

### **ACVT-32**

Same as ACVT-30 but with eyepiece camera with USB interface and image capturing software



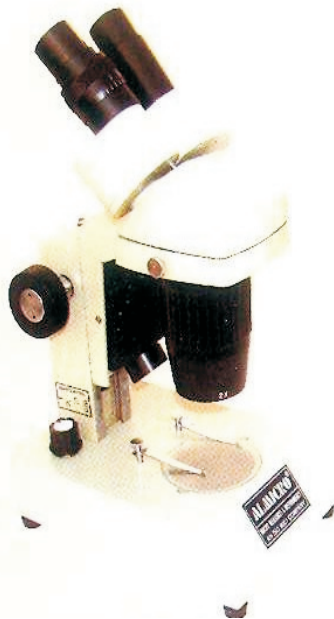
# GURUDUTT SHALEYA SAHITYA



## **GSS Straight Binocular Microscope**

### **DS-22**

Equipped with one pair of 10x or 15x large field eye pieces and 3x Objective in plywood cabinet. Magnification 30x or 45x.



## **GSS Research Inclined Stereoscopic Microscope**

### **DS-50**

Equipped with inclined stereo body, Binocular observation Head adjustable interpupillary distance, diopter correction eye piece tube, provided with built in illumination both for incident (EPI) light and substage (Transmitted) light for individual or simultaneous use, suitable transformer fitted in base for 6V-15W lamps Revolving Turret Mount for Quick change for objectives. Supplied with following optics in box.

### **Eye Piece Objectives**

Paired WF 10x  
Paired 2x and 4x

Extra Charges for 15x Eyepieces

# GURUDUTT SHALEYA SAHITYA

## GSS Zoom Binocular Microscope

### DSZ-77



A latest three dimensional zoom binocular microscope with special high eye point wide field eye pieces 10x to 15x, parafoal zoom objectives of 1x 5x providing continuous variable magnification from 10x to 150x depending upon the eye piece and supplementary lens used, having well designed pole stand, having extension pillar, 360 revolving zoom binocular Head and 6 volts 21 watts incident spot light illuminator with light control transformer. Without Supplementary lens attachment

- (a) Extra charges for pair of HWF 10x or 15x eye pieces.
- (b) Supplementary lens attachment 2x or 0.5 or 1.5x.
- (c) Compact Fluorescent ring light.
- (d) Fibre Optic Light complete with power supply.

## GSS Zoom Stereo Trinocular Microscope

### DSZ-88



A latest three dimensional zoom trinocular microscope with high point wide field eye pieces 10x or 15x, parafoal zoom objectives of 1x to 5x providing continuous variable magnification from 10x to 150x depending upon the eye pieces and supplementary lens used, having well designed pole stand, having extension pillar, 360 revolving zoom trinocular head, 6 volts 21 watts incident spot light illuminator with light control transformer. Without Supplementary lens attachment.

- (a) Extra charges for pair of HWF 10x or 15x eye pieces.
- (b) Supplementary lens attachment 2x or 0.5 or 1.5x.
- (c) Compact Fluorescent ring light.
- (d) Fibre Optic Light complete with power supply.

# GURUDUTT SHALEYA SAHITYA



## GSS Overhead Projector (Rotatable)

### AW-10

With low intensity 24V/250W bulb and built in solid state control transformer. Equipped with imported Fresnel lens and automatic thermostatically controlled cooling system. Size of projection stage 25x25 cm. Focussing by smooth rack and pinion system. Supplied with roll attachment and following accessories: (Powder coated)

- (a) Transparencies (10 nos.)
  - (b) Greece pencils six
  - (c) Dust Cover one
  - (d) Cleaning cloth one
- Packed in card board box



## GSS Overhead Projector

### AW-11

Same as Model AW-10, Regular Quality with 24V-150W (helogen bulb) (single)



## GSS Overhead Projector

### AW-12

Latest design specification as above but with computer fan for ventilation with 24V/230W halogen lamp, twin bulb system, A-4 square aperture, 360 Head rotation system completed in card board packing with raxine cover.

# GURUDUTT SHALEYA SAHITYA



## **GSS Portable Overhead Projector**

### **AW-14**

A very compact and light weight Overhead Projector which can be folded to be kept in a carrying case for easy portability. The equipment incorporates following special features:

Three elements lens system for razor sharp image.  
24V/250W Twin halogen bulbs with in-built lever type lamp changer for interruption free presentation.

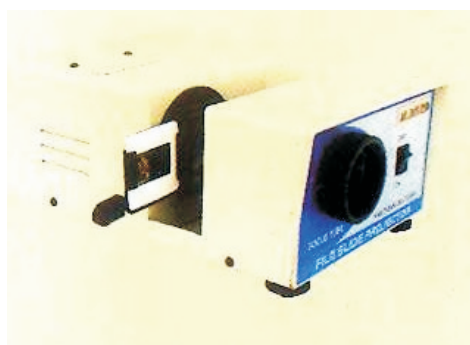
Cooling fan with friction less drive motor for quiet



## **GSS Prepared Mounted Transparencies**

### **NK-13**

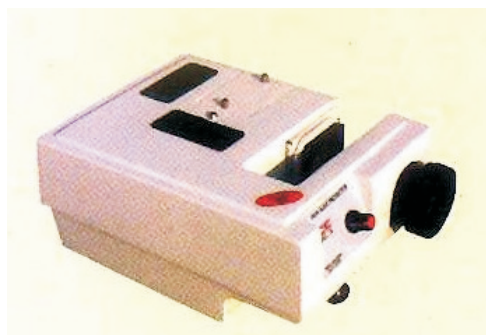
On different subject of physics, Botany, zoology etc.  
(complete list Available on request)



## **GSS Slide projector (Halogen)**

### **KW-400A**

Having projection Lens of 2.5, Projection lamp 24v 150W, cooling system and fine focussing system



## **GSS Slide Projector Deluxe Model (Halogen)**

### **KW-400B**

Having projection triplet Lens system of 2.5, Projection Lamp 24V, 150W, cooling system and fine focusing system workable AC 220-240W. Standard Accessories : Slide Carrier 2"x2; film strip attachment 35mm & Micro slide attachment 3"x1". With dimmer for light intensity control in card board and raxine box.



# GURUDUTT SHALEYA SAHITYA



## **GSS Projection Microscope**

### **KW-500**

Having 12 volts 100 Watts Halogen projection bulb workable on 220volts AC mains with triple revolving nose piece, 160mm dia, built in screen along with wall screen attachment giving magnification 40x to 400x, complete with following:

**Objectives:** 5x, 10x and 20x.

## **GSS Class Room Projection Microscope**

### **KW-500A**

It is meant for discussion & teaching group of students. With its high quality Achromat Optics & Projection Head it projects the stained & unstained micro slides view directly on screen or wall for an individual group, which really is time efficient.

Study body having coarse focusing with rack & pinion and fine focusing with drums.

Dust proof triple revolving nose piece

Fixed large square stage with detachable mechanical stage.

Illumination by powerful 24V-150W Halogen Lamp workable with separate transformer and cooling with 12V noiseless computer fan built-in-base.

Projection Head replaceable which projects the slide view directly on screen or L wall LP

**Optics :** 5x, 10x and 20x Achromatic Objective.

Suitable for projection distance from 1.5 to 3 meters.

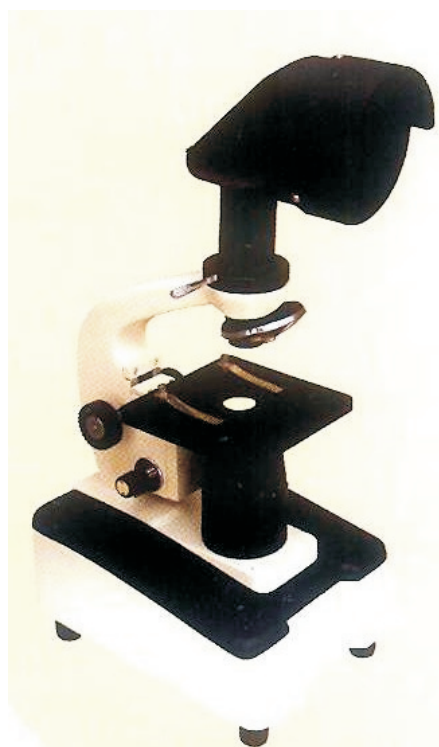
Nicely packed in cardboard box

### **Optical Accessories :**

Map Type Projection Screen

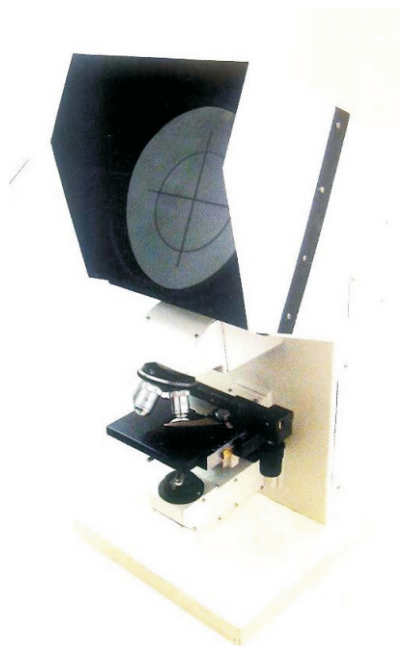
Projection Screen with Tripod Stand

Detachable Mechanical Stage





# GURUDUTT SHALEYA SAHITYA



## **GSS Projection Microscope**

### **KW-600A**

With 200mm dia, graduated screen 360 degree rotatable, quadruple revolving nose piece. Total magnification ranging 100x to 800x or 125x to 1000X, workable on 220 volts AC mains with variable light control arrangement complete with stage micrometer slide for measuring, Optical combination. Built in eye piece 10x or 15x.

**Objectives** 5x, 10x, 20x, 40x/45x.

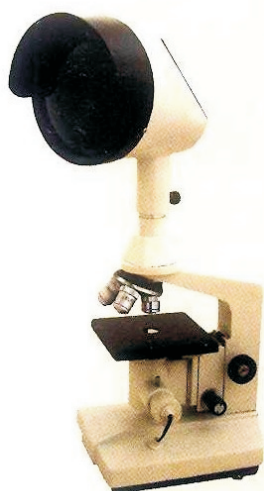


## **GSS Senior Projection Microscope**

### **KW-600C**

same as model KW 600B but incorporating Binocular Head attachment with switch over system for Projection of Viewing through Binocular with all optics having imported lenses.

**Eye Piece :** H5x, WF10x (2 pairs)  
**Objectives :** 5x, 10x, 20x, 40x & 100x

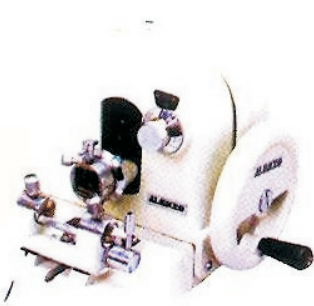


## **GSS Student Projection Microscope (Doom Type)**

### **KW-700C**

Microscope with built in 6V-20W halogen lamp. 6" dia projection head, coarse and fine motion two objectives 10x & 45x. Mechanical stage for slide manipulation, complete in box (superior quality).

# GURUDUTT SHALEYA SAHITYA



## **GSS Rotary Microtome (Erma type)**

### **MS-70**

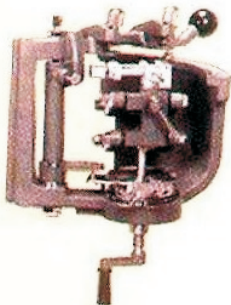
With three object holders, one razor 120mm and honing stone Feed adjustment 1-25 microns in steps of one micron. Complete with 3 object holder, 1 razor. oil can, raxine cover in cardboard box.



## **GSS Senior Rotary Microtome (820 Spencer Type)**

### **MS-80**

Latest model, with one razor 120mm and honing stone. Feed range 1 -50 micron in steps of one micron with automatic feed release device. Complete with 3 object holder, 1 razor.oil can, raxine cover in wooden box



## **GSS Freezing Microtome (Erma Type)**

### **MS-90**

With CO2 freezing attachment, feed range 1-40 microns in steps of 5 microns. Complete with one razor 100mm,oilcan, honing stone, raxine cover and box.



## **GSS Bench Magnifier (Magnascope)**

### **MBM-101**

# GURUDUTT SHALEYA SAHITYA

## **GSS Automatic Microtome Razor Sharpener**

### **ARS-2**

The Almicro Automatic knife sharpener will sharpen any Almicro or similar knife upto and including 120mm in length. There is an electrical timing device which is set for desired time, depending upon the condition of knife. The transparent plexi glass cover encloses the entire working mechanism and provides a safe dust and grit free sharpening process. The knife strokes against a high frequency glass joining plate and after three exactly equivalent strokes one side of knife edge, a cum follower automatically flips the knife and three strokes are honed on other side. The stroking cycle is repeated continually for duration of setting on electrical timer. Overall dimensions 16"x10"x11" and approx. weight 22kg.



## **GSS Centrifuge Machine (Dr. Model)**

### **KW-60**

Compact Model 2,4 or 6 tubes.



## **GSS Centrifuge Machine (Square Model)**

### **KW-70**

12, 16 & 24 tubes.



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## **GSS Centrifuge Machine (Square Model)**

**KW-80**

12, 16 & 24 tubes, fitted with timer.



## **GSS Spectrometer**

**SM-6**

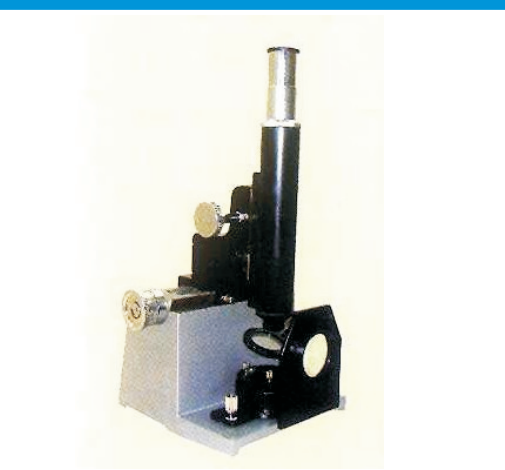
6" circle read by two opposite verniers to 1 min. of an arc. Complete in wooden box.



## **GSS Traveling Microscope**

**VM-1**

With stainless steel 17cm x 14cm scales vernier reading to .01 or .02 mm.



## **GSS Newtons Ring Experiment Apparatus**

**VM-3A**

With heavy cast iron base and stainless steel scales and verniers

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## **GSS Laurens Half Shade Polarimeter**

### **AW-20**

Equipped with imported polarizing unit, Analyser with precisely graduated scale, vernier reading to  $1/10$  degree. Supplied with 200 mm or 100mm polarimeter tubes complete in box light With adjustable height stand.

Polarimeter Tube (Slide Filling) made of coming glass with screws caps.

Size 100mm  
200 mm



## **GSS Research Polarimeter**

### **AW-21**

Equipped with Imported optical components and accepts observation tube up to the Length of 200mm. It ensures permanent and undisturbed focus, even with different types of dense liquids. The angular scale is divided 0 to 360 in steps of 1 degree to enable direct reading 0.005 and estimation of 0.002. ISS units enable direct reading 0.1 and by estimation to 0.05 sugar degrees. Supplied with two polarimeter tubes 100mm & 200 mm. Sodium lamp, power supply for sodium lamp and raxine cover in plywood cabinet.



## **GSS Research Polarimeter**

### **AW-22**

Same as above but accepts observation tube upto the Length of 400mm. Supplied with three polarimeter tubes 100mm, 200mm & 400mm. Sodium lamp, power supply for sodium lamp and raxine cover in plywood cabinet.



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## GSS Pocket Refractometer

### AW-23

With built in ocular scale for direct reading of percentage standardized at 20°C with accuracy 0.2% with ocular scale range.

- (a) 00 to 32%
- (b) 28 to 62%
- (c) 58 to 92% (Erma JAPAN make)



## GSS Abbe Refractometer

### AW-24

Designed for accurate quick examination of refractive indices and mean dispersion of liquids, solids and power. N.D. Range 1.3000 to 1.700 in steps of 0.001. The body of instrument has length of 60. It consists of Abbe double prisms with thermostat compensator Telescope. Mirror, Limb, Graduated Sector Reading Magnifier and radial arm, Complete in wooden box.



## GSS Butyro Refractometer

### AW-25

Measurement of fats in oil and other such products giving a reading directly in terms of the oil scale also known as butyro scale, the micrometer eye-piece allows an accuracy on this scale of 0.1 and the oil scale may also be converted into a refractive index scale using conversion tables. This allows measurements on materials with index of refraction in the range of 1.42 to 1.49 with an accuracy of 0.0002 as tables are supplied for converting oil scale reading into index of refraction, relative to mean sodium lines. The prism box is water jacketed for temperature control and a sample achromatizing device enables the removal of all colours from the border lines thus enabling the instrument to be used with white light.

# GURUDUTT SHALEYA SAHITYA



## **GSS Infra Red Moisture Balance**

### **MB-81**

With solid electronic regulator. Very easy to operate with an accuracy of 0.2% by direct reading, 0.1% by estimation, complete with 'L' bend thermometer 10 Nos. disposable pans, one twizer, dust cover. Capacity 59ms, logms, 25 gms



## **GSS Digital Video Microscope**

### **DVM-01**

Introduced latest Binocular with built in C.C.D. Camera can be linked to video monitor or computer combining video displays with Microscope is an exciting new technology. The Video Microscopy provides excellent results class-room teaching, demonstration & group discussions in conferences & seminars

Built-in CCD Camera Features image device 1/3" colour CCD Camera Censer. Resolution 380TV Lines (720x576 pixels).

Technical Features high degree performance & resolution is achieved through multilayer anti reflection coating in prism. Heavy duty quardple reveling nosepiece having ball bearing Co-axial coarse and fine motion knobs on both sides based on 4 stage gear resolution systems traveling on ball guides, a large stage fitted with Co-axial mechanical stage. Built in halogen base 6V-20W halogen light source. Nicely packed in wooden box with parafoicalised & precentred optics.

**Eye Piece** Extra large WF 10x H5x (paired)  
**Objectives** 5x, 10x, 45x (SL), 100 x (SL)

Note: Instead of built in CCD camera in built USB type eyepiece camera can be provided with image capturing software