

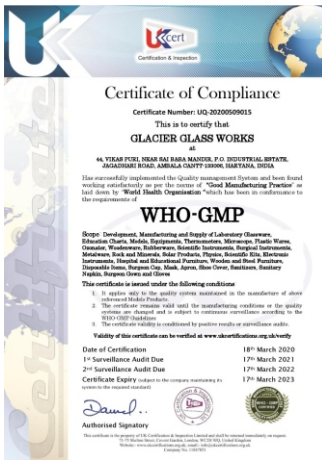
Microscopes

MICROSCOPES

COMPANY PROFILE



Sh. S. R. Jindal.
Founder



Tacking Award from Defense Minister



Student Microscope

with Fixed Condenser



Technical specification

Model	GW - 1105
All Make Optics Having Features	Para focal, precentred, high numerical aperture, high resolution
Special Coating Having No Effect Of	Moisture, fungus, fogginess or any other weather effect with passage of time.
Magnification	50x to 675x
Stand	All metal constructed body with properly balanced , inclinable arm up to 90 degree for easy viewing
Focussing	Separate coarse fine focusing knobs
Stage	Full square stage 112 x 112 mm size with stage clips
Illumination	Plano concave mirror on gimble mount
Nose piece	Triple revolving
Objectives	10x & 40/45x (s. L.) (all achromatic).
Eye pieces	10x & 15x
Condenser	Fixed abbe type condenser with iris diaphragm
Packing	Nicely packed in box.

Student Microscope

with Movable Condenser



Technical specification

Model	GW - 1106
All Optics Having Features	Para focal, precentred, high numerical aperture, high resolution
Special Coating Having No Effect Of	Moisture, fungus, fogginess or any other weather effect with passage of time.
Magnification	50x to 675x
Stand	All metal constructed body with properly balanced , inclinable arm up to 90 degree for easy viewing
Focussing	Separate coarse fine focusing knobs
Stage	Full square stage 112 x 112 mm size with stage clips
Illumination	Plano concave mirror on gimble mount
Nose piece	Triple revolving
Objectives	10x & 40/45x (s. L.) (all achromatic).
Eye pieces	10x & 15x
Condenser	Fixed abbe type condenser with iris diaphragm
Packing	Nicely packed in box.

Dissecting Microscope



Technical specification

Model - GW-1102

A versatile dissecting microscope for demonstrations, close study of small organism and fine dissection work.

A high-eyepoint lenses 10x and 20x magnification, which can be comfortably used by spectacle wearers, are mounted on a jointed arm allowing the whole stage area to be scanned.

The wide glass stage has two spring clips and a reversible substage mirror/opal face illuminator giving good lighting of objects in daylight or under artificial light.

The rack and pinion mechanism is enclosed within the stage support pillar and operated by a knob on either side of the pinion spindle. Detachable rests on either side of the stage provide a steady support for hands during fine dissection.

A wooden storage and carrying case with fitting for lenses, hand rests and microscope.

Dimension overall height 180mm. Stage 70 x 90 mm.

Dissecting Microscope

Bull Type



Technical specification

GW- 1102b
A versatile dissecting microscope for demonstrations, close study of small organism and fine dissection work.
A high-eyepoint lenses 10x and 20x magnification, which can be comfortably used by spectacle wearers, are mounted on a jointed arm allowing the whole stage area to be scanned.
The wide glass stage has two spring clips and a reversible substage mirror/opal face illuminator giving good lighting of objects in daylight or under artificial light.
The rack and pinion mechanism is enclosed within the stage support pillar and operated by a knob on either side of the pinion spindle. Detachable rests on either side of the stage provide a steadying support for hands during fine dissection.
A wooden storage and carrying case with fitting for lenses, hand rests and microscope.
Dimension overall height 180mm. Stage 70 x 90 mm.

Student Medical Microscope

For Educational Purpose



Technical specification

Model	GW-1108
Magnification	20x to 1500x
Stand	Robust and stable, inclinable through 90 degrees. Mechanical tube length 160mm.
Focussing	Separate knobs for coarse and fine motion.
Stage	Fixed square stage 120 x 120 mm size with mechanical stage having travel range 30 x 76 mm with graduated scales and vernier.
Illumination	Plano concave mirror on gimble mount. Optionally available attachable 20w lamp for 220v or 6v, 20w with transformer.
Nose piece	Quadruple- revolving
Objectives	10x & 45x (s. L.) with 100x oil immersion.
Eye pieces	Huygenian 5x or 15x, wf 10x.
Condenser	Abbe n. A. 1. 25 with iris diaphragm focusing up and down by rack & pinion.
Packing	Nicely packed in box.

Student Monocular Microscope

for Educational Purpose



Technical specification

Model	GW-1110
Observation	Monocular- interchangeable with binocular or vertical photo tube.
Magnification	20x to 1500
Stand	One piece die cast arm with ball bearing guide ways providing extra smooth and frictionless motion to the fine focusing mechanism without any back lash.
Focussing	Coarse and fine focusing by conveniently placed separate knobs. 1 div. = 0. 002 mm.
Stage	Mechanical stage of standard stage size 120 x 140 mm.
Illumination	Plano concave mirror available with optional lamp for 6v/20w or direct 220v attachable in place of the mirror mount. .
Nose piece	Quadruple- revolving on smooth bearings.
Objectives	Achromat 4x, 10x, 40x (s. L.) & 100x oil immersion.
Eye pieces	Huygenian 5x or 15x, wf 10x.
Condenser	Bright field, abbe's n. A. 1. 25 focusing up and down by rack & pinion.
Packing	Nicely packed in box.

Pathological Monocular Microscope



Technical specification

Model no.	GW-1111
Observation head	The monocular version with 45 degree inclined monocular tube rotate-able through 360 degree.
Main body	All part pressure die cast to provide long life and good mechanical strength.
Eye pieces	Wide field 10x or 15x .
Objectives	4x, 10x, 40/45x (s. L.), 100x oil immersion (s. L.)
Nose pieces	Quadruple nosepiece revolves on ball bearing.
Mechanical stage	Co-axial low positioned mechanical x-y stage of size 120 x 125 mm with stage fine vernier graduation.
Condenser	Abbe condenser n. A. 1. 25 having a spherical lens, adjustable iris diaphragm.
Illumination	Built in base illumination system with 6v-20w halogen bulb and plano concave mirror attachment suitable for 220v, 50hz ac supply
Packing	Nicely packed in box.

Binocular Pathological Microscope



Technical specification

Model no.	GW-1112
Observation head	Binocular version with 45 degree inclined monocular tube rotate-able through 360 degree. Interpupillary distance adjustment ring 54-74 mm & dioptic adjustment
Main body	All part pressure die cast to provide long life and good mechanical strength.
Eye pieces	Wide field 10x or 15x .
Objectives	4x, 10x, 40/45x (s. L.), 100x oil immersion (s. L.)
Nose pieces	Quadruple nosepiece revolves on ball bearing.
Mechanical stage	Co-axial low positioned mechanical x-y stage of size 120 x 125 mm with stage fine vernier graduation.
Condenser	Abbe condenser n. A. 1. 25 having a spherical lens, adjustable iris diaphragm.
Illumination	Built in base illumination system with 6v-20w halogen bulb and plano concave mirror attachment suitable for 220v, 50hz ac supply
Packing	Nicely packed in box.

Pathological Binocular Microscope

with Co-Axial Focusing Control



Technical specification

Model	Microlux-1116
Observation head	Binocular observation head inclined at 45 degree, rotateable through 360 degree, interpupillary distance adjustment ring 54-74 mm & dioptic adjustment.
Main body	All part pressure die cast to provide long life and good mechanical strength.
Eye pieces	Wide field 10x or 15x paired
Objectives	4x, 10x, 40/45x (s. L.), 100x oil immersion (s. L.)
Nose pieces	Quadruple nosepiece revolves on ball bearing
Mechanical stage	Co-axial low positioned mechanical x-y stage of size 120 x 125 mm with stage fine vernier graduation
Condenser	Abbe condenser n. A. 1. 25 having a spherical lens, adjustable iris diaphragm.
Illumination	Built in base illumination system with 6v-20w halogen bulb and plano concave mirror attachment suitable for 220v, 50hz ac supply
Packing	Nicely packed in box.

Research Binocular Microscope



Technical specification

Model	Microscan-1120
Observation head	Binocular observation head inclined at 45°, rotateable through 360°, interpupillary distance adjustment ring 54-74mm, dioptic adjustment ring on the left having adjustable dioptic scale.
Main body	All part die cast to provide long life & good mechanical strength. Coaxial focusing control with ball bearing guide way & large knobs. Pre focusing/ auto focusing lock & tension adjustment ring.
Eyepiece	High eye point wide field 10x, (f. N. 20) or 15x paired.
Objectives	Din objectives 4x, 10x, 40/45x s. L. 100x oil immersion (s. L.).
Nosepiece	Quadruple nosepiece revolves on ball bearing.
Mechanical stage	Co-axial low positioned large size double plate type x-y mechanical stage of size 142x140mm with fine vernier graduation.
Condenser	Abbe condenser n. A. 1. 25 having aspherical lens, adjustable iris diaphragm.
Illumination	Built in illumination system with 6v-20w halogen bulb & plano concave mirror attachment suitable for 220v,50hz ac supply
Packing	Nicely packed in box

Research Trinocular Microscope



Technical specification

Model	GW-1120 tr
Observation head	Trinocular observation head inclined at 45°, rotateable through 360°, interpupillary distance adjustment ring 54-74mm, dioptic adjustment ring on the left having adjustable dioptic scale.
Main body	All part die cast to provide long life & good mechanical strength. Coaxial focusing control with ball bearing guide way & large knobs. Pre focusing/ auto focusing lock & tension adjustment ring.
Eyepiece	High eye point wide field 10x, (f. N. 20) or 15x paired.
Objectives	Din objectives 4x, 10x, 40/45x s. L. 100x oil immersion (s. L.).
Nosepiece	Quadruple nosepiece revolves on ball bearing.
Mechanical stage	Co-axial low positioned large size double plate type x-y mechanical stage with fine vernier graduation.
Condenser	Abbe condenser n. A. 1. 25 having aspherical lens, adjustable iris diaphragm.
Illumination	Built in illumination system with 6v-20w halogen bulb & plano concave mirror attachment suitable for 220v,50hz ac supply
Packing	Nicely packed in box.

Multi Viewing Microscope



Technical specification

Model	GW-1150	
Optical system	Infinite optical system	
Viewing head	Compensation free trinocular head, inclined at 30 °, 360 ° rotatable, interpupillary distance 48-75 mm.	1 pc
	Compensation free binocular head, inclined at 30 °, 360 ° rotatable, interpupillary distance 48-75 mm.	4 pc
Eye piece	Extra wide field eyepiece wf 10x/20.	10 pcs
Nosepiece	Inverse quintuple nosepiece	
Objective	Infinite plan achromatic objectives 4x, 10x, 40x, 100x.	
Condenser	Swing condenser n. A. 0. 9/0. 25	
Focusing	Coaxial coarse & fine focus adjustment, fine division 0. 002 mm.	
Stage	Double layers mechanical stage 185 x 142 mm, moving range 75 x 55 mm.	
Kohler illumination	External illumination, halogen lamp 12v 50w.	
Pointer	Green led pointer, brightness adjustable	
Video adapter	C mount 1x C mount 0. 5x	

Research Trinocular Ore Microscope



Technical specification

Model	GW - Research ore
Observation head	Flat trinocular head inclined at 45°
Eyepiece	Eyepiece 10x20mm Cross partition eyepiece 10x20mm Grid eyepiece 10x20mm
Objectives	4x, 10x, 25/40x, 60/63x
Nosepiece	Quadruple nosepiece
Mechanical stage	Revolving round stage diameter 160mm (approx.) 360° rotatable & graduated in 1° increments. Least count 0. 1° with vernier Compensator-gypsum 1λ ,mica ¼ λ ,quartz wedge
Illumination	12v/20w lamp brightness adjustable Power supply 110v-220v.
Optional accessories	1) Digital high resolution photographic camera with microscope adopter.

Binocular Stereo Microscope



Technical specification

Our organization is one of the leading manufacturers and suppliers of an assortment of **Binocular Stereo Microscope**, which is uniquely designed in all respect i. e. technically, economically & aesthetically, which supports to obtain best results - prices v/s performances.

This comes with 5 stereo microscopes, which make the individual view the subject more comfortably. Further, this also reduces eye-strain and most of all a sharp, clear image of specimen. It gives a clear image, with a diopter control in one eye piece and adjustable inter papillary distance to provide a custom fit for each viewer.

Our range has easy reversible head features, which also adapt to varied viewing requirements. Extra large wide field eye piece - provides comfort for person wearing spectacles. Precision rack & opinion focusing protected by a slip clutch system and positive stock that prevents damage to optics and gear.

Stereoscopic Dissection Microscopes



Technical specification

Compact wise, adjustable height, 8 ½" - 12 ½" approx. With 6 ¾" l x 4 ½" w in wooden box

Locked in paired 10x wide field eyepieces, diopter adjustment in one eyepiece

Fixed 2x objective for 20x magnification

Working distance 1 ½" - 5"

Stage plug 2 ¾" diameter with clips

Focusable by rack and pinion arrangement

Available with pillar stand

Packed with dust cover in box

Advance Research Polarising Microscope with Incident Light



Technical specification

GW-1200R

Microscope frame for transmission and reflection mode polarization microscopy with built-in filter holders .

Infinity Corrected

Plan achromatic, polarizing objectives with magnifications

4X POL N.A. 0.13 W.D. 17.0 mm

10X POL N.A. 0.3 W.D. 10.0 mm

20X POL N.A. 0.5 W.D. 2.1mm

40X POL N.A. 0.75 W.D. 1.1mm

Wide field 10X eyepiece (02 numbers), with double cross line focusable .

Minimum 22 mm

Fixed Trinocular Tube.

High Power LED Light with power supply .

High Power LED light with power supply Built in Transmitted light filters.

Minimum 4 position centrable & detachable nosepiece .

Stroke: M in 22mm. Fine Stroke: M in 100µm Minimum

GRADUATED ADJUSTMENT FEATURE FOR COARSE HANDLE .

Strain-free Polarizing condenser (Swing out type) .

Circular Rotatable and centerable 360° graduated mechanical stage,

OBJECT GUIDE MECHANICAL STAGE FOR XY MOVEMENT OF THE SPECIMEN, CENTERING KNOB AND STAGE CLIP .

Polarizer slider for reflected illumination tube .

360° Rotatable with scale interval of 5

Wedge shaped, Measurement range 0₇-4

Minimum 5 M Pixel Colored CCD Camera to be mounted on Trinocular tube with a suitable mounting adapter

CCD Sensor Size : 2/3 inch

Resolution: 1920x 1080 pixels

Pixel Size: 3.45 X 3.45µm

A/D Converter: 12 bit

Minimum exposure time: 1ms or smaller

Live Frame rate: 15 frames per second

fast communication with PC via USB Port

Standard Imaging software with Image Acquisitions, Measurements, and Point or object detection. Having facility to align multiple images Together.

Inverted Tissue Culture Microscope



Technical specification

Model	GW-2002
Observation Head	The Binocular or Trinocular observation head assembled from A.R. Coated prisms is 45°/30° inclined with eye-point position 320mm
Viewing Body	Sidentop Trinocular head inclined at 30°, interpupillary distance adjustable between 55-75 mm, Diopter adjusting ring on ocular
Main Body	A) Co-axial coarse & fine focusing with rubber teats for better grip. B) Quadruple nosepiece. C) Prefocusing lever & tension adjusting ring are on focusing mechanism. D) Hard coated fixed mechanical stage.
Base	Large & Sturdy base provides stability to the Microscope with built in solid-state transformer for illuminator.
Mechanical Stage	Square plain stage of size 180x150 mm approx. with two extension plates for large bottles and micro-filter work are provided. Two stage
Eye piece	Eye piece PWF 10x (paired) FOV 20mm. Centering Telescope 5x.
Objectives	LWD Plan Achromatic 4x/0.1 W.D. 18mm LWD Plan Achromatic 10x/0.25 W.D. 7.9mm LWD Plan Achromatic 40x/0.6 W.D. 3mm LWD Plan Phase PH10x, PH20x, PH40x along with Phase Annular discs & centering Telescope.
Focusing	Two large focus control knobs low down at a convenient position assure accurate focusing. The backlash free Rack & Pinion mechanism
Illumination	6V, 20W halogen lamp with spherical collector lens, continuous regulation of the illumination, field diaphragm, pull out filter socket.
Standard Accessories	Set for insert plate, Arm supporting Plate, Electric Cable, Fuse, Vinyl Dust Cover, Operating manual, Controls for stage movement.
Optional Accessories	Micro-photographic Camera, Digital Camera/CCD Camera to microphotograph the microscope specimen & project them on TV or on
Packing	Nicely packed in Box.
	Polarizer slider for reflected illumination tube. 360° Rotatable with scale interval of 5° Wedge shaped, Measurement range 0 – 4λ Minimum 5 M Pixel Colored CCD Camera to be mounted on Trinocular tube with a suitable mounting adapter CCD Sensor Size : 2/3 inch Resolution: 1920x1080 pixels Pixel Size: 3.45 X 3.45µm A/D Converter: 12 bit Minimum exposure time: 1ms or smaller Live Frame rate: 15 frames per second fast communication with PC via USB Port Standard Imaging software with Image Acquisitions, Measurements, and Point or object detection. Having facility to align multiple

Toolmaker Microscope



Technical specification

Model- GW-1101

For making various types of measurements of angles , Thickness radius, diameter etc.

Magnification; 30x with objectives 2x & Eyepiece 15x with field of view 12mm & working distance about 100mm.

Microscope tube inclined at 45 degree. Measuring stage 150x150mm with travels in X-Y direction. Travel range 50 x 50mm having micrometer each of 25mm having least count 0.01mm or 0.005mm.

Rotatory stage graduation 0-360 degree with vernier 6 minutes complete provided with inclined Transmitted light illumination having separate intensity contracts.

Optional Accessories Rotatory measurement stage: Circular stage rotatable through 0-360 degree having vernier

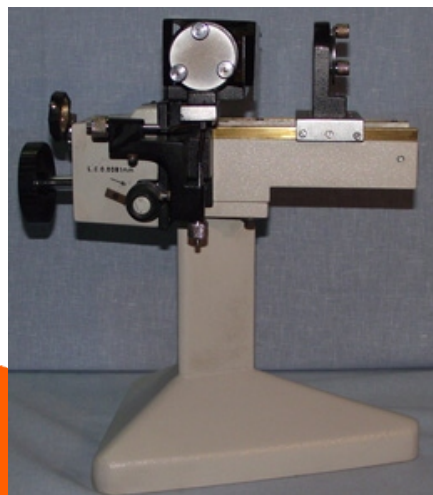
LED Fluorescence Microscope



Technical specification

Model	GW -B2-PFM
Eyepiece	Wide field WF10X
Objective	Infinity plan achromatic Objectives PL 4X/0.10
	Infinity plan achromatic Objectives PL 10X/0.25
	Infinity plan achromatic Objectives PL 40X/0.65(Spring)
	Infinity plan achromatic Objectives PL 100X/1.25(Spring, oil)
Eyepiece tube	Trinocular eyepiece tube with 4 numbers antifungal eye piece with interpupillary adjustment and magnification of 10X / FOV 20 and 22mm or higher. Light distribution 2 way (100/0 and 0/100).
Focus system	Coaxial coarse/fine focus, with tensional adjustable and up stop minimum division of fine focusing: 2µm.
Nosepiece	Quadruple(Backward ball bearing inner locating)
Stage	Super hard ceramic coated mechanical X/Y stage, rust free, scratch proof, with vernier calibration, should hold two slides firmly.
Condenser	High quality condenser (10X-100X objective magnification), Upright, universal turret type for bright field and fluorescence imaging.
Light source	LED 4W, Uniform light distribution, Intensity controller, having life span of more than 40,000 hrs.
Fluorescent illumination	100W mercury fluorescent illumination and should have intensity controller, three or more filters (UV, Blue and Green excitation) and four position rotating filter turret.
Objectives and Objective Turret:	Four or more position nose piece and facing inward. Harmonic corrected antifungal PLAN objectives for fluorescent and bright field microscopy; 10X, 40X and 100X objectives.
Power supply	12V DC, 1.5A (for mains 100-240V AC, 47-63 Hz,) with voltage stabilizer.

Michelson Interferometer



Technical specification

Part No	Description
1	Moveable surface coated mirror.
2	Fixed surface coated mirror loaded with springs.
3	Compensator.
4	Beam Splitter.
5	Universal adjustable Telescope with cross line graticule.
6	Diffused Glass screen with pin-hole holder.
7	Main knobs for moving mirror no.1, least count 0.01 mm.
8	Slow motion drum for moving mirror no.2, least count 0.0001 mm.
9	Screw with nut & spring to adjust the view of pin hole in horizontal position.
10	Screw with nut & spring to adjust the view of pin hole in vertical position.
11	Base on stand for Interferometer.
12	3 knurled heads for adjusting the mirror no.2 parallel to no.1.
13	3 knurled heads for adjusting the mirror no.1 parallel to no. 2.
14	Well grounded Lead Screw with pitch 1 mm.
15	Pin hole disc.
16	Condenser unit (adjustable).
17	Eyepiece (adjustable).
18	Spring knob for adjusting the lead screw.
19	Viewing window to read main scale.
20	Telescope holding clamp (universal type).

Constant Deviation Spectrograph



Technical specification

Model-GW-11050

Base: Heavy stable base having a pillar on which mounted a platform collimator/telescope prism housing.

Prism table: Carrying prism pillion and broca type refractive index 1.65/1.74 housed properly with a cover rotatable by wavelength drum, outside.

Telescope: Fitted on the platform, focussed by rack/pinion, achromatic objective with light resolution, eyepiece with a scale last count 0.01 cms.

Collimator: With achromatic objective having high resolution operable by rack & pinion, having slit variable opening by micrometer screw.

Prism:

Glass prism e. D. F.

Glass prism d. E. D. F.

Extension mount for keeping I. G. Plate/edser butler

Plate/ fabry perot etalon.

Extra attachments for telescope.

a) Attachment for converting c. D. S. Into monochromator.

b) Micrometer eyepiece – filer type reading 0.001 cms.

c) Camera for above with plate holder.

d) Plate holder for camera.

Research Inverted Metallurgical Microscope



Technical specification

GW - 2001	
Observation head	Side & top with eyepiece tube Binocular observation head inclined at 30°, interpupillary distances adjustment range from 55 to 75mm.
Main body	All parts die cast to provide long life & good mechanical strength. Co-axial focusing control knobs, tension adjustment ring & pre focusing lock.
Eyepiece	10x (16mm).
Objectives	PL10x, PL25x, PL40x, PL60x (optional).
Nosepiece	Quadruple nosepiece revolves on ball bearing.
Mechanical stage	Co-axial mechanical stage size 150x200mm cross travel range 15x15mm.
Illumination	Koehler illumination system, 6V20W halogen lamp with adjustable brightness.
Packing	Nicely packed in box.

Phase Contrast & Dark

Field For Microscopes



Technical specification

A latest set of turret phase contrast equipment supplied with four plan phase objective plph-10x, plph-20x/25x, plph-40x and plph-100x. The precision turret condenser unit has matching optical annulars for all the above magnifications of plan phase objectives.

In addition the turret has a neutral "zero position" for using the microscope as a normal bright field microscope, supplied complete with a centering telescope and green filter.

Ore Polarising Microscope



Technical specification

GW-1200R

Microscope frame for transmission and reflection mode polarization microscopy with built-in filter holders

Infinity Corrected

Plan achromatic, polarizing objectives with magnifications

4X POL N.A. 0.13 W.D. 17.0 mm

10X POL N.A. 0.3 W.D. 10.0 mm

20X POL N.A. 0.5 W.D. 2.1 mm

40X POL N.A. 0.75 W.D. 1.1 mm

Wide field 10X eyepiece (02 numbers), with double cross line focusable .

Minimum 22 mm

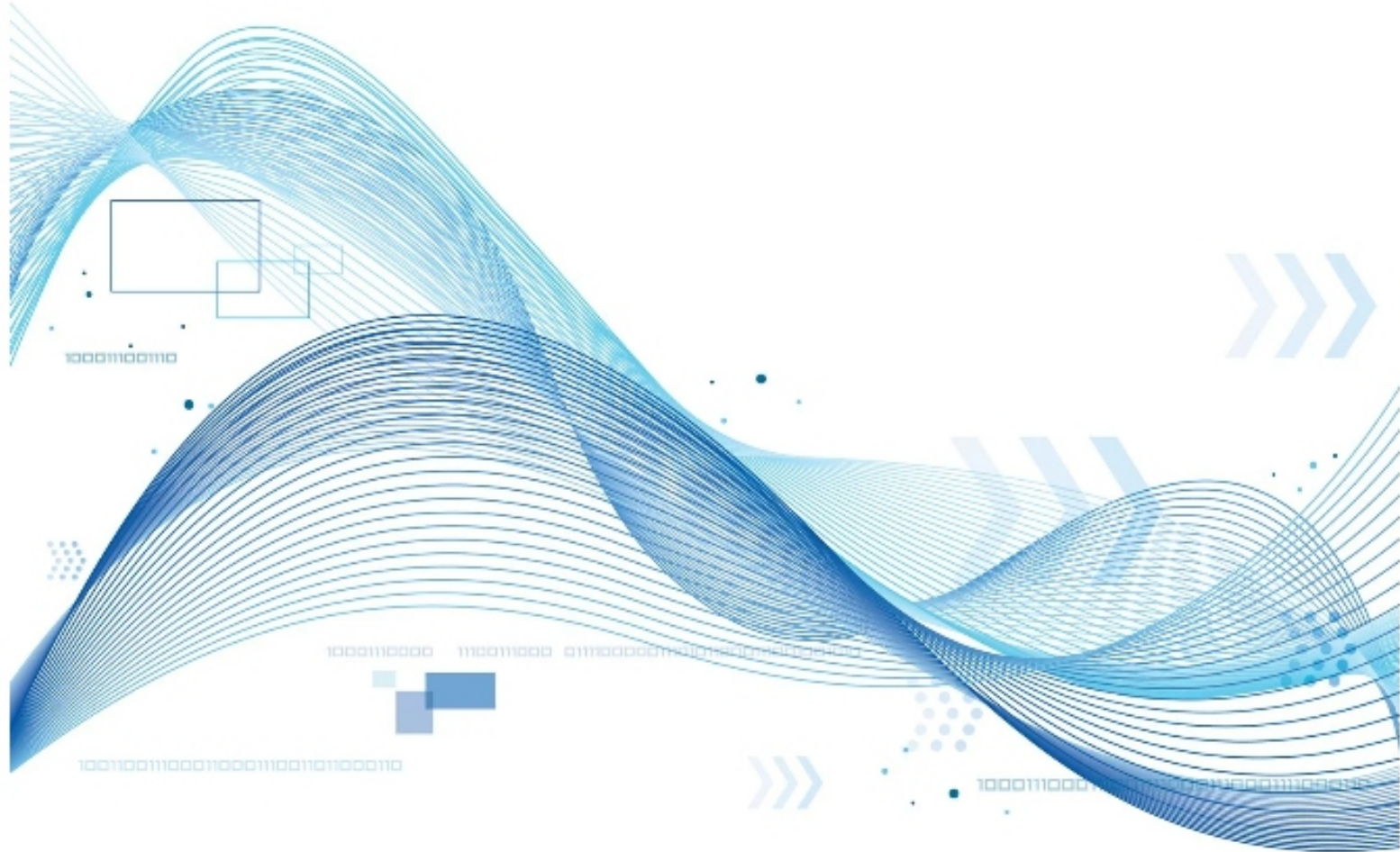
Fixed Trinocular Tube.

High Power LED Light with power supply .

High Power LED light with power supply Built in Transmitted light filters.

Minimum 4 position centrable & detachable nosepiece .

Stroke: Min 22mm. Fine Stroke: Min 100µm Minimum



NATIONAL EXCELLENCE
AWARD WINNER

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