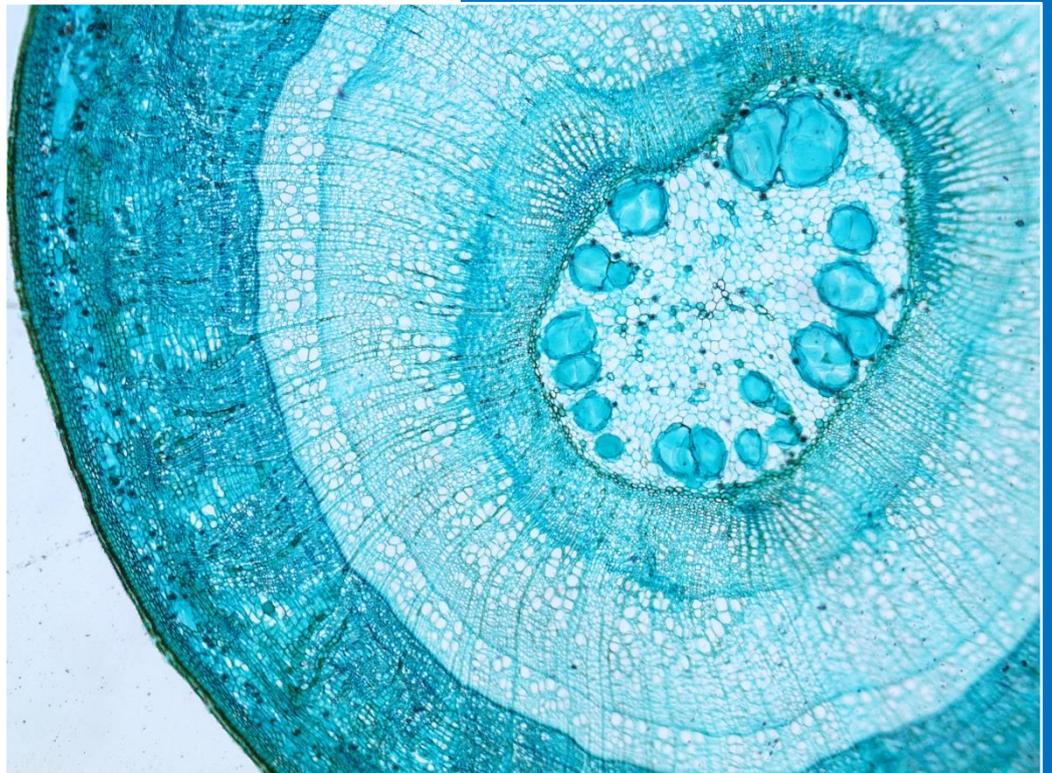




# MICROSCOPES



**BIOLOGICAL**

**STEREO**

**INVERTED**

**POLARIZATION**

**FLUORESCENCE**

**METALLURGICAL**

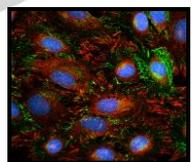
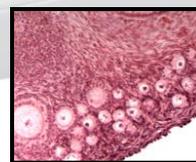
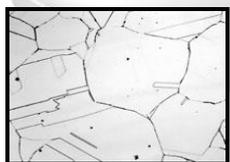
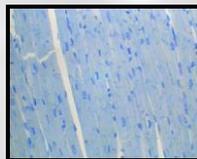
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BIOLOGICAL - INVERTED - STEREO - FLUORESCENCE - POLARIZATION - METALLURGICAL



## BIOLOGICAL MICROSCOPE ► BIO2



BIO2B

BIO2 series is a line of biological microscope with an optical system suitable for most laboratory applications. They include: Koehler illuminator, widefield eyepieces, five-places inward tilt nosepiece, halogen bulb or LED. As optional they can mount dark field and phase contrast. All this combined with the BIO2 well known refined Italian design, ergonomic and steady aluminum stand and with a choice of achromatic or plan-achromatic DIN160mm objectives, give to these microscopes the capability to match a wide range of applications from educational to laboratory work.

Included: protection cover, oil bottle, user manual

SPECIFICATIONS	BIO2 series		
<b>Optical system</b>	Standard DIN 160mm system		
<b>Illumination</b>	Built-in transmitted Koehler illumination with field diaphragm 6V 20W Halogen bulb with adjustable Intensity High intensity LED (-LED models) with adjustable Intensity		
<b>Eyepieces</b>	Wide field WF10x/18mm		
<b>Objectives included</b>	<b>-AC</b>	ACHROMATIC 4x/0.1; 10x/0.25; 40x/0.65; 100x/1.25 (oil immersion)	
	<b>-PL</b>	PLAN ACHROMATIC 4x/0.1; 10x/0.25; 40x/0.65; 100x/1.25 (oil immersion)	
<b>Focusing</b>	Macrometric and micrometric coaxial knobs on both sides (0,002mm). Upper limit excursion adjustment. Torque adjustment on coarse focus knob		
<b>Revolving nosepiece</b>	Reversed quintuple nosepiece, rotating and locking at every objective.		
<b>Observation tube</b>	Type	Binocular	Trinocular
	Tube inclination	30° tilted, 360° rotatable	
	Interpupillary distance adjustment	55-75mm, dioptric difference adjustment ± 5mm	
	Light division		70% : 30%
<b>Stage</b>	135x125mm. Excursion XY: 75x35mm (div 0,1mm). Coaxial knobs on right side.		
<b>Condenser</b>	Abbe N.A. 1,25. Equipped with diaphragm and filter seat. Height and centering are adjustable.		

ADDITIONAL ACCESSORIES			
Code	Description	Code	Description
MB05001 5/6	Phase contrast kit (achromatic or plan)	MB010005	Eyepiece 16x
MB030003	Dark field condenser (dry or immersion)	MB020014	20x Plan achromatic objective
MB120001	Micrometric slide 0.01mm	MB020016	60x Plan achromatic objective
MB010007	Micrometric eyepiece 10x		Eurekam plus digital cameras

ORDERING CODES			
Code	Description	Code	Description
BIO2B-AC	Binocular, achromatic optics, Halogen 20W	BIO2B-AC-LED	Binocular, achromatic optics, LED
BIO2T-AC	Trinocular, achromatic optics, Halogen 20W	BIO2T-AC-LED	Trinocular, achromatic optics, LED
BIO2B-PL	Binocular, Plan-achromatic, Halogen 20W	BIO2B-PL-LED	Binocular, Plan-achromatic optics, LED
BIO2T-PL	Trinocular, Plan-achromatic, Halogen 20W	BIO2T-PL-LED	Trinocular, Plan-achromatic optics, LED
BIO2-AC-VIDEO	Trinocular, Video Head, achromatic, Halogen	BIO2-PL-VIDEO	Trinocular, Plan-achromatic, Video head, LED

**BIOLOGICAL MICROSCOPE ► SOLARIS**



**SOLARIS-T**

SOLARIS series Microscopes combine experience and design in one solution.

These microscopes mount Plan-achromatic objectives, Koehler illuminator, Extra Widefield eyepieces, quintuple inward tilt nosepiece, a high intensity warm white LED to get very reliable colors or a 30W halogen lamp for maximum intensity.

SOLARIS has infinity optical system for best optical performance. All these features make these Microscopes suitable for research, laboratory use and medical field operations.

Included: protection cover, oil bottle, user manual

SPECIFICATIONS		SOLARIS series	
<b>Optical system</b>	Infinity corrected optics system		
<b>Illumination</b>	Built-in transmitted Koehler illumination with field diaphragm 6V 30W Halogen bulb or High intensity LED (Warm white). Adjustable Intensity		
<b>Eyepieces</b>	Extra Wide field WF10x/22mm		
<b>Objectives included</b>	PLAN ACHROMATIC 4x/0.1; 10x/0.25; 40x/0.65; 100x/1.25 (oil immersion)		
<b>Focusing</b>	Macrometric and micrometric coaxial knobs on both sides (0,002mm). Upper limit excursion adjustment. Torque adjustment on coarse focus knob		
<b>Revolving nosepiece</b>	Reversed quintuple nosepiece, rotating and locking at every objective.		
<b>Observation tube</b>	Type	Binocular	Trinocular
	Tube inclination	30° tilted, 360° rotatable	
	Interpupillary distance adjustment	48-75mm, dioptric difference adjustment ± 5mm	
	Light path selector		100% - 0% or 0% - 100%
<b>Stage</b>	193x155mm. Excursion XY: 75x50mm (division 0,1mm). Coaxial knobs on right side.		
<b>Condenser</b>	Abbe condenser, N.A. 1,25. Equipped with diaphragm and filter seat. Height and centering are adjustable.		

ADDITIONAL ACCESSORIES			
Code	Description	Code	Description
MB050034	Phase contrast kit	MB080009	Polarization kit (analyzer+polarizer)
MB030009	Dark field condenser	MB020052	20x Plan achromatic objective
MB120001	Micrometric slide 0.01mm	MB020054	60x Plan achromatic objective
MB010011	Micrometric eyepiece 10x		Eurekam digital cameras

ORDERING CODES			
Code	Description	Code	Description
SOLARIS-B	Binocular, Halogen 30W	SOLARIS-B-LED	Binocular, LED
SOLARIS-T	Trinocular, Halogen 30W	SOLARIS-T-LED	Trinocular LED
SOLARIS-PH	Trinocular, Halogen 30W, Phase contrast objectives, turret condenser		

**BIOLOGICAL MICROSCOPE ► BIO1**



**BIO1B**



**BIO1T**

BIO1 series Microscopes represent the best choice to enter into the world of Microscopy.

Standard total magnification is 40x-1000x. They have coaxial focus knobs, stage with sample-holder and Abbe condenser. Halogen or LED illumination

USB High-resolution cameras can be mounted on all models through the adapters. BIO1 Microscopes can be used in educational field, laboratory and also for routine microscopy.

Included: protection cover, oil bottle, user manual

SPECIFICATIONS		BIO1 series	
<b>Optical system</b>	Standard DIN 160mm system		
<b>Illumination</b>	Built-in transmitted illumination 6V 20W Halogen bulb or High intensity LED Adjustable Intensity		
<b>Eyepieces</b>	Wide field WF10x/18mm		
<b>Objectives included</b>	ACHROMATIC 4x/0.1; 10x/0.25; 40x/0.65; 100x/1.25 (oil immersion)		
<b>Focusing</b>	Macrometric and micrometric coaxial knobs on both sides (0,002mm). Upper limit excursion adjustment. Torque adjustment on coarse focus knob		
<b>Revolving nosepiece</b>	quadruple nosepiece, rotating and locking at every objective.		
<b>Observation tube</b>	Type	Binocular	Trinocular
	Tube inclination	30° tilted, 360° rotatable	
	Interpupillary distance adjustment	55-75mm, dioptric difference adjustment ± 5mm	
	Light split		70% : 30%
<b>Stage</b>	135x125mm. Excursion XY: 68x28mm (div 0,1mm). Coaxial knobs on right side.		
<b>Condenser</b>	Abbe condenser, N.A. 1,25. Equipped with diaphragm and filter seat. Height and centering are adjustable.		

ADDITIONAL ACCESSORIES			
Code	Description	Code	Description
MB060043	0.5x C-mount adapter for 1/2' cameras	MB010005	16x Eyepiece
MB060011	0.4x C-mount adapter for 1/3' cameras	MB120001	Micrometric slide 0.01mm
MB010009	10x Eyepiece with pointer	MB020056	Objective Achromatic 60X
MB010007	Eyepiece WF10X/18 mm with divisions		Eurekam digital cameras

ORDERING CODES			
Code	Description	Code	Description
BIO1B-LED	Binocular, achromatic objectives, LED	BIO1B	Binocular, achromatic objectives, Halogen
BIO1T-LED	Trinocular, achromatic objectives, LED	BIO1T	Trinocular, achromatic objectives, Halogen

## STEREO MICROSCOPE ► STMPRO



STMPRO-T

Advanced Stereo Zoom microscopes, suitable for many applications in Industry and Laboratory field. A large choice of accessories such as additional objectives, eyepieces, LED and fiber optics illuminators, universal stands, make this series of microscopes professional tools for every type of observation.

Standard zoom ratio is 1:6.4. Range of total magnification starts from a minimum of 3.5x upto a maximum of 210x, thanks to the available additional optics.

Trinocular version allow easy connection to digital camera, for acquiring and image analysis.

Included: protection cover, user manual

SPECIFICATIONS		STMPRO series	
<b>Optical system</b>	Separated objectives		
<b>Illumination</b>	Transmitted and Reflected Halogen, with adjustable intensity Transmitted and Reflected LED, with adjustable intensity [-LED models]		
<b>Eyepieces</b>	Wide field WF10x/21mm		
<b>Objectives</b>	ZOOM 0.7x – 4.5x (1:6.4) Total magnification 7x-45x (expandible to 3.5x-225x with the additional lenses)		
<b>Focusing</b>	Accurately adjustable through knobs on both microscope sides Torque adjustment		
<b>Working distance</b>	90mm (expandible to 137mm with the additional lenses)		
<b>Observation tube</b>	Type	Binocular	Trinocular
	Tube inclination	45° tilted, 360° rotatable	
	Interpupillary distance adjustment	53-75mm, dioptric difference adjustment $\pm$ 5mm	
	Light split		70% : 30%
<b>Stage</b>	260x290mm		

ADDITIONAL ACCESSORIES			
Code	Description	Code	Description
MS100012	Fiber optics illuminator, double arm, 150Watt	MS010002	Eyepiece 10x with divisions
MS100010	LED annular illuminator, 4 zones	MS0600 19/29	0.5x C-mount / 1x C-mount adapter
MS01000 3/4/5	Additional Eyepieces 15x, 20x, 25x	MB030005	Dark filed condenser w/gem clamp
MS100013	FIBER OPTICS illuminator, 150W, annular light guide	MB060059	0,45x Eyepiece-adapter with C thread for cameras
MS02000 1/2/3/4	Additional Objectives 0.5x, 0.75x, 1.5X, 2x		Eurekam plus digital cameras

ORDERING CODES			
Code	Description	Code	Description
STMPRO-B	Binocular, 7x-45x magnification, Halogen	STMPRO-B-LED	Binocular, 7x-45x magnification, LED
STMPRO-T	Trinocular, 7x-45x magnification, Halogen	STMPRO-T-LED	Trinocular, 7x-45x magnification, LED
STMPRO-T-VIDEO	Trinocular, 7x-45x, with Video head, Halogen		



STMLAB-T

STMLAB series include high level Stereo Zoom microscopes, suitable for more advanced applications.

The high standard total magnification allows the user to work thoughtless, the powerful LED illumination creates the right luminosity conditions for every kind of sample. The presence also of micrometric focus commands complete this performant microscope.

A wide choice of accessories like additional objectives, eyepieces, additional illuminators, c-mount adapters expands even more the possibilities of observation.

Included: protection cover, user manual

SPECIFICATIONS	STMPRO series		
<b>Optical system</b>	Separated objectives		
<b>Illumination</b>	Transmitted 3W LED with adjustable intensity Reflected 3W LED with adjustable intensity		
<b>Eyepieces</b>	Wide field WF10x/22mm		
<b>Objectives</b>	ZOOM 0.7x – 6.3x (1:9) Total magnification 7x-63x (expandible to 3.5x-315x with additional optics)		
<b>Focusing</b>	Macrometric and Micrometric on both sides of Microscope Torque adjustment		
<b>Working distance</b>	110mm (expandible to 188mm with additional optics)		
<b>Stage</b>	310mm x 280mm		
<b>Observation tube</b>	Type	Binocular	Trinocular
	Tube inclination	45° tilted, 360° rotatable	
	Interpupillary distance adjustment	53-75mm	
	Dioptric difference adjustment	± 5mm	
	Trinocular tube		70% : 30% light split Parfocality adjustable

ADDITIONAL ACCESSORIES			
Code	Description	Code	Description
MS100012	Fiber optics illuminator, double arm guide, 150Watt	MB060043	0.5x C-mount adapter for 1/2' cameras
MS100013	Fiber optics illuminator, annular guide, 150Watt		1x C-Mount Adapter
TC010034	HDCAM, 6Mpixel HDMI camera		Eurekam 20plus, 20 Mpixel USB3 camera
	Additional Eyepiece 15x		Additional Objective 0.5x
	Additional Eyepiece 20x		Additional Objective 1.5X
	Additional Eyepiece 25x		Additional Objective 2x
	Eyepiece 10x with divisions		LED Epi-fluorescent illumination kit

## RESEARCH STEREO MICROSCOPE ► STM800



STM864

STM800 StereoZoom Microscopes are the Professional choice when looking for a stereo microscope with research grade performance for best observations in each field.

This thanks to the clear PLAN achromatic objective and the INFINITY parallel optical system. Total standard magnification is 8x - 64x or 8x-80x, extendible thanks to additional optics. Microscope structure is very robust, ergonomic and linear. Trinocular version allow easy connection with digital cameras, for acquiring and image analysis.

Included: protection cover, sample holders, user manual

SPECIFICATIONS		STM800 series	
<b>Optical system</b>	Infinity Parallel Optical system		
<b>Illumination</b>	Transmitted and Reflected LED light, with adjustable intensity.		
<b>Eyepieces</b>	Extra Wide field WF10x/22mm		
<b>Objectives included</b>	<b>STM864</b>	PLAN ACHROMATIC ZOOM 0.8x – 6.4x (1:8) Total magnification 8x-64x, expandible with additional optics	
	<b>STM880</b>	PLAN ACHROMATIC ZOOM 0.8x – 8x (1:10) Total magnification 8x-80x, expandible with additional optics	
<b>Focusing</b>	Accurately adjustable through knobs on both microscope sides Torque adjustment		
<b>Working distance</b>	78mm (expandible with additional optics)		
<b>Observation tube</b>	Type	Binocular	Trinocular
	Tube inclination	20° tilted, 360° rotatable	
	Interpupillary distance adjustment	50-75mm, dioptric difference adjustment $\pm 5$	
	Light split		100% - 0% or 0% - 100%
<b>Stage</b>	<b>STM864</b> <b>STM880</b>	285x330mm	

## ADDITIONAL ACCESSORIES

Code	Description	Code	Description
MS020021	Additional PLAN APO-achromatic 0.5x objective	MS100012	Fiber optics illuminator, double arm, 150Watt
MS020019	Additional PLAN-achromatic objective 2x	MS100018	coaxial illumination (1/4 lambda plate included)
MS020020	Additional PLAN-achromatic objective 1x	MB120002	Micrometric slide
MS020022	Additional achromatic objective 0.3x	MB060036/35	0.5x or 1x C-mount adapter
MS010020/21/22	Additional Eyepieces 15x, 20x, 30x	MB080011	Iris diaphragm
MB030008	Dark field condenser	MB080010	Polarization attachment
	Universal stands		Eurekam plus digital cameras

## ORDERING CODES

Code	Description	Code	Description
STM864	Binocular, 8x-64x magnification	STM880	Binocular, 8x-80x magnification
STM864-T	Trinocular, 8x-64x magnification	STM880-T	Trinocular, 8x-80x magnification

**BIOLOGICAL MICROSCOPE ► INV100**



Inverted biological Microscope INV100 is the optimal choice for microBiology and Biology. Infinity corrected Plan-achromatic objectives deliver always excellent and contrasted images, the 10x/22 eyepieces allow exploring of a wide area of the specimen, while the high working distance of the condenser allows a comfortable and pratic use. A stable stand structure, phase contrast objectives, Trinocular tube and a large stage make this microscope an excellent choice for viewing living cell and tissue.

Included: protection cover, color filters, user manual

SPECIFICATIONS		INV 100 series	
<b>Optical system</b>	Infinity corrected optics system		
<b>Illumination</b>	Built-in transmitted Koehler illumination with field diaphragm High intensity LED. Adjustable Intensity		
<b>Eyepieces</b>	Extra Wide field WF10x/22mm		
<b>Objectives included</b>	<b>INV100</b>	Infinity, Long Working Distance PLAN ACHROMATIC: 4x/0.1 WD18mm; 10x/0.25 WD 10mm; 20x/0.4 WD 5.1mm; 40x/0.6 WD 2.6mm PLAN ACHROMATIC PHASE CONTRAST: 10x/0.25 WD 10mm; 20x/0.4 WD 5.1mm; 40x/0.6 WD 2.6mm	
	<b>INV100-PH</b>	Infinity, Long Working Distance PLAN ACHROMATIC: 4x/0.1 WD18mm; PLAN ACHROMATIC PHASE CONTRAST: 10x/0.25 WD 10mm; 20x/0.4 WD 5.1mm; 40x/0.6 WD 2.6mm	
<b>Focusing</b>	Macrometric and micrometric coaxial knobs on both sides		
<b>Nosepiece</b>	Revolving Quintuple nosepiece, rotating and locking at every objective.		
<b>Observation tube</b>	Type	Trinocular	
	Tube inclination	30° tilted, 360° rotatable	
	Interpupillary distance adjustment	48-75mm, dioptric difference adjustment ± 5mm	
	Light path selector	100% - 0% or 0% - 100%	
<b>Stage</b>	250x160mm. Excursion XY: 120x78mm. Glass insert, Adapter for Ø35mm, Adapter for Ø54mm, adapter for Terasaky. Coaxial knobs on right side.		
<b>Condenser</b>	Abbe condenser N.A.:0,3; W.D.:72mm. Equipped with diaphragm and filter seat. Phase contrast sliding plate. Phase annulus 10x/20x/40x		

ADDITIONAL ACCESSORIES			
Code	Description	Code	Description
MR010002	Eyepiece 15x		Micrometric 10x eyepiece
MR010007	Eyepiece 20x		Eurekam digital cameras
MB120001	Micrometric slide 0.01mm	MB060044	0.45x C-mount adapter for 1/2" cameras

ORDERING CODES			
Code	Description	Code	Description
INV100	bright field objectives + 3 phase contrast objectives	INV100-PH	4x bright field objective + 3 phase contrast objectives
INV100-VIDEO	with Video head, bright field objectives + phase contrast objectives	INV100-PH-VIDEO	with Video head, 4x bright field objective + 3 phase contrast objectives

## METALLURGICAL MICROSCOPE ► MTM-1A



MTM-1A is a Metallurgical upright Microscope with reflected illumination (Epi-illumination), suitable for observing surfaces of non-transparent objects. It is ideal for identification and analysis of structure of many kinds of materials and alloys and for IC inspection.

It is equipped with five objectives with plan-achromatic optics to achieve best image quality. The stage is wide, with a large XY excursion possibility. It is also equipped with a polarizer/analyzer that gives to this microscope a great versatility and possibility to work in many fields like metallography, mineralogy, electronics, silicon wafer inspection, quality control and scientific research.

Included: protection cover, user manual

SPECIFICATIONS	MTM-1A series	
<b>Optical system</b>	Standard DIN 160mm system	
<b>Illumination</b>	Built-in transmitted Koehler illumination with field diaphragm 20W Halogen bulb. Adjustable Intensity	
<b>Eyepieces</b>	Wide field WF10x/20mm	
<b>Objectives included</b>	No cover glass PLAN ACHROMATIC PL 5x/0.1; PL 10x/0.25; PL 20x/0.4; 40x/0.6; 80x/0.8	
<b>Focusing</b>	Macrometric and micrometric coaxial knobs on both sides (division 0,002mm). Torque adjustment and upper limit excursion adjustment	
<b>Revolving nosepiece</b>	Quintuple nosepiece, rotating and locking at every objective.	
<b>Observation tube</b>	Type	Trinocular
	Tube inclination	30° tilted, 360° rotatable
	Interpupillary distance adjustment	55-75mm, dioptric difference adjustment ± 5mm
	Light path selector	100% - 0% or 0% - 100%
<b>Stage</b>	274x274mm. Mechanical stage Excursion XY: 203x203mm	
<b>Polarizing</b>	Polarizer slide, analyzer slide, colored filters	

ADDITIONAL ACCESSORIES			
Code	Description	Code	Description
MM020006	Plan 100x dry objective no cover glass	MM020003	Plan 50x objective no cover glass
MB010008	Micrometric 10x/20 eyepiece		Eurekam plus digital cameras
MB120001	Micrometric slide 0.01mm	MB060008	Adapter for Reflex camera

ORDERING CODES			
Code	Description	Code	Description
MTM-1A	5 bright field objectives	MTM1A-VIDEO	5 bright field objectives and video head

## METALLURGICAL MICROSCOPE ► MTM-100



MTM-100

MTM-100 is a Metallurgical Inverted Microscope with Plan-achromatic Infinity corrected objectives, that provide excellent image quality.

It is used to observe surfaces of non-transparent objects and for analysis and inspection of structure of many kinds of materials and alloys. It is equipped with a polarizer and analyzer slides that allow wider range of operations and possibility to work in many fields like metallography, mineralogy, electronics, silicon wafer inspection, quality control and scientific research.

An ergonomic and stable structure complete this professional microscope.

Included: protection cover, sample holder, user manual

SPECIFICATIONS	MTM-100 series	
<b>Optical system</b>	Infinity corrected optics system	
<b>Illumination</b>	Built-in transmitted illumination with field diaphragm 30Watt Halogen bulb. Adjustable Intensity	
<b>Eyepieces</b>	Wide field WF10x/20mm	
<b>Objectives</b>	Infinity Long Working Distance PLAN ACHROMATIC PL 4x/0.1; PL 10x/0.25; PL 20x/0.35; PL 40x/0.65	
<b>Focusing</b>	Macrometric and micrometric coaxial knobs on both sides	
<b>Revolving nosepiece</b>	Quintuple nosepiece, rotating and locking at every objective.	
<b>Observation tube</b>	Type	Trinocular
	Tube inclination	30° tilted, 360° rotatable
	Interpupillary distance adjustment	48-75mm, dioptric difference adjustment $\pm$ 5mm
	Light path selector	100% - 0% or 0% - 100%
<b>Stage</b>	250x160mm	
<b>Polarizer</b>	Polarizer slide, analyzer slide, colored filters (blue, yellow, green)	

ADDITIONAL ACCESSORIES			
Code	Description	Code	Description
	Micrometric 10x eyepiece		Eurekam plus digital cameras
MM020024	5x plan achromatic objective	MB120001	Micrometric slide 0.01mm
MM020025	50x plan achromatic objective		Adapter for Reflex camera
MM020026	80x plan achromatic objective	MM020027	100x dry plan achromatic objective
ORDERING CODES			
Code	Description	Code	Description
MTM-100	Inverted metallurgical microscope with 4 objectives, magnification 40x-400x	MTM-100-VIDEO	Inverted metallurgical microscope with Video Head, with 4 objectives, magnification 40x-400x

**FLUORESCENCE ► INV100-FL**



**INV100-FL**

Fluorescence Inverted biological Microscope INV100-FL is a highquality tool for scientific research. It is equipped with a set of bright field infinity corrected Plan-achromatic objectives and of phase contrast objectives. This allows that the images are always clear and contrasted in each observation situation. The 10x/22 eyepieces allow exploring of a wide area of the specimen, while the high working distance of the condenser allows a comfortable and pratic use. Trinocular port, a large stage with traslator, a solid and ergonomic design, an efficient fluorecence epi-illuminator and a stable structure complete the picture of a professional scientific instrument. This instrument is widely used in Biology, Medicine, Histology, Immunology.

Included: protection cover, color filters, user manual

SPECIFICATIONS	INV100-FL series	
<b>Optical system</b>	Infinity corrected optics system	
<b>Illumination</b>	Built-in transmitted illumination 6V 30W Halogen bulb with diaphragm. Adjustable Intensity Epifluorescent illumination: High pressure Mercury lamp DC 100W. Adjustable, with timer.	
<b>Eyepieces</b>	Extra Wide field WF10x/22mm	
<b>Objectives included</b>	Infinity Long Working Distance PLAN ACHROMATIC: 4x/0.1 WD18mm; 10x/0.25 WD 10mm; 20x/0.4 WD 5.1mm; 40x/0.6 WD 2.6mm PLAN ACHROMATIC PHASE CONTRAST: 10x/0.25 WD 10mm; 20x/0.4 WD 5.1mm; 40x/0.6 WD 2.6mm	
<b>Fluorescence Filters</b>	Green, Blue (optional: Violet, UltraViolet)	
<b>Focusing</b>	Macrometric and micrometric coaxial knobs on both sides	
<b>Revolving nosepiece</b>	Quintuple nosepiece, rotating and locking at every objective.	
<b>Observation tube</b>	Type	Trinocular
	Tube inclination	30° tilted, 360° rotatable
	Interpupillary distance adjustment	48-75mm, dioptric difference adjustment ± 5mm
	Light path selector	100% - 0% or 0% - 100%
<b>Stage</b>	250x160mm. Excursion XY: 120x78mm. Glass insert, Adapter for Ø35mm, Adapter for Ø54mm, adapter for Terasaky. Coaxial knobs on right side.	
<b>Condenser</b>	Abbe condenser N.A.:0,3; W.D.:72mm. Equipped with diaphragm and filter seat. Phase contrast sliding plate. Phase annulus 10x/20x/40x	

ADDITIONAL ACCESSORIES			
Code	Description	Code	Description
	Micrometric 10x eyepiece	MB080007	Violet filter
	Eurekam PRO 20C cooled camera	MB080008	UltraViolet filter

ORDERING CODES			
Code	Description	Code	Description
INV100-FL	HBO 100W Mercury lamp, B/G filters	INV100-FL-ALL	HBO 100W Mercury lamp, B/G/V/UV filters

## FLUORESCENCE ► FLUO3



FLUO3

FLUO-3 Fluorescence microscope is equipped with plan-achromatic Infinity optics objectives and a Epi-Fluorescent illuminator. The extra wide field 10x/22 eyepieces allow inspection of a large part of specimen at same time.

HBO 100W Mercury lamp and an included complete set of fluorescence filters (B-G-V-UV) allow this Microscope investigation of most of biomedical specimen making it an essential tool for biology and biomedical science, as well for live cell science.

Included: protection cover, immersion oil bottle, user manual

SPECIFICATIONS		FLUO-3 series	
<b>Optical system</b>	Infinity corrected optics system		
<b>Illumination</b>	Built-in transmitted Kohler illumination 6V 30W Halogen bulb with diaphragm. Adjustable Intensity Epifluorescent illumination: High pressure Mercury lamp DC 100W. Adjustable.		
<b>Eyepieces</b>	Extra Wide field WF10x/22mm		
<b>Objectives included</b>	Infinity PLAN ACHROMATIC: 4x/0.1; 10x/0.25; 40x/0.65; 100x/1.25 (oil immersion)		
<b>Filters included</b>	Green (G), Blue (B), Violet (V), UltraViolet (UV)		
<b>Focusing</b>	Macrometric and micrometric coaxial knobs on both sides. Tension adjustment and upper limit excursion adjustment		
<b>Revolving nosepiece</b>	Quintuple nosepiece, rotating and locking at every objective.		
<b>Observation tube</b>	Type	Trinocular	
	Tube inclination	30° tilted, 360° rotatable	
	Interpupillary distance adjustment	55-75mm, dioptric difference adjustment ± 5mm	
	Light path selector	100% - 0% or 0% - 100%	
<b>Stage</b>	210x140mm. Excursion XY: 75x50mm (div.0,1mm)		
<b>Condenser</b>	Abbe condenser, N.A. 1,25. Equipped with diaphragm and filter seat. Height and centering are adjustable.		

ADDITIONAL ACCESSORIES			
Code	Description	Code	Description
MB050024	Infinity Plan complete Phase contrast KIT	MB010012	Eyepiece 15x
MB120001	Micrometric slide 0.01mm	MB010011	Micrometric 10x eyepiece
	Eurekam PRO 20C cooled camera	MB020052	Plan achromatic objective 20x

ORDERING CODES			
Code	Description		
FLUO3	HBO 100W Mercury lamp, B/G/V/UV filters		

## POLARIZATION MICROSCOPE ► MPL



MPL-2

MPL Polarizing Microscopes allow investigation of composition and structure of materials. Polarized light microscopy is primarily used for study of minerals, but also for cements, ceramics, mineral fibers, polymers and biological molecules. These Microscope can employ both qualitative and quantitative observations and represent an outstanding tool for materials science, geology, biology, chemistry, metallurgy and medicine. These Microscopes allow polarizing observations, orthoscopic and conoscopic observations.

MPL-1 is equipped with Transmitted illumination. MPL-2 is equipped both with Transmitted and Reflected illumination, for the most complete range of observations.

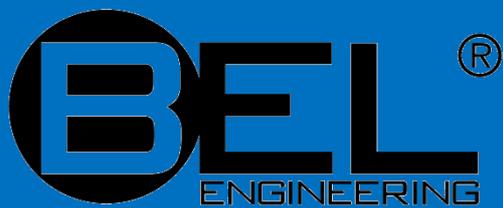
Included: protection cover, user manual

SPECIFICATIONS		MPL series
<b>Optical system</b>	Infinity corrected optics system	
<b>Illumination</b>	<b>MPL-2</b>	Trasmitted and Reflected light. Koehler illuminator. Halogen lamp 30W, adjustable intensity.
	<b>MPL-1</b>	Trasmitted light. Koehler illuminator. Halogen lamp 30W, adjustable intensity.
<b>Eyepieces</b>	Extra Wide field WF10x/22mm and one micrometric 10x eyepiece (0.01mm)	
<b>Objectives</b>	<b>MPL-2</b>	STRAIN-FREE PLAN ACHROMATIC LONG 5x/0.12; 10x/0.25; 40x/0.65; 80x
	<b>MPL-1</b>	STRAIN-FREE PLAN ACHROMATIC LONG 4x/0.1; 10x/0.25; 40x/0.65; 60x/0.75
<b>Focusing</b>	Macrometric and micrometric coaxial knobs on both sides (0,002mm). Upper limit excursion adjustment. Torque adjustment on coarse focus knob	
<b>Attachment</b>	Polarizer and Analyzer. $\lambda$ and $\lambda/4$ compensators, quartz wedge compensator; Bertrand lens	
<b>Nosepiece</b>	Revolving reversed quintuple nosepiece, rotating and locking at every objective.	
<b>Observation tube</b>	Type	Trinocular
	Tube inclination	30° tilted, 360° rotatable
	Interpupillary distance adjustment	55-75mm, dioptric difference adjustment $\pm$ 5mm
	Light path selector	100% - 0% or 0% - 100%
<b>Stage</b>	Rotating stage with divisions (1° increment), diameter 150mm. Center adjustable and with lock. Slide-sample holder with XY translator.	
<b>Condenser</b>	Abbe condenser, N.A. 1,25; with diaphragm and filter seat. Height and centering are adjustable.	

ADDITIONAL ACCESSORIES			
Code	Description	Code	Description
MB050024	Infinity Plan Phase contrast complete KIT	MB010012	15x Eyepiece
MB030003	Dark field condenser, dry objectives	MP020007	100x dry Plan achro. objective, strain-free
MB120001	Micrometric slide 0.01mm	MP020006	80x Plan achromatic objective, strain-free
MB010011	Eyepiece WF 10X / 22 with divisions		EUREKAM plus CMOS digital cameras

ORDERING CODES			
Code	Description	Code	Description
MPL-1	Polarizing microscope, Transmitted 30Watt halogen lamp	MPL-2	Polarizing Microscope, Transmitted 30W halogen and Reflected 30W halogen





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