

OPTIKA

M I C R O S C O P E S
I T A L Y



B-500 SERIES

New optical system



B-500 SERIES



Italian headquarters

Optika Microscopes is the optical microscopy division of M.A.D. Apparecchiature Scientifiche, a Company established over 30 years ago as a key actor in the field of scientific instrumentation.

A team of 60 people in 4 European locations works on the development of new models, on production, on quality control, on supply and aftersales services. A network of local distributors extends to the end users the Optika excellence in quality, innovation, competitive prices and assistance.

To the present day, Optika Microscopes offers more than 80 different microscope models, with full accessories, for the most diverse fields of optical microscopy. A challenging market, that Optika Microscopes approaches with professionalism and commitment.

The series

The B-500 microscopes have been designed for the best performance in routine laboratory use.

In the B-500 series, the two worlds of infinity-corrected and 160 mm microscopes find the way to meet each other.

With an exclusive optical system (InfiniFiX(TM) - IFX) the B-500 series uses a true infinity-corrected optical path, implemented with standard 160 mm objectives.



IFX^(TM) - The best of two worlds

Optical system & objectives

The B-500 microscopes are equipped with plan or semiplan objectives (4x, 10x, 40x, 100x bright field), for crisp and vibrant image quality.

B-500Ph serie is equipped with plan objectives (10x, 20x, 40x, 100x)



Microscope stand

The modern stand design, with accessible and ergonomic controls, complements and enhances the instrument's usability.



Heads

The ample 22 mm field of view and the high-point eyepieces allows for hours of use without eye fatigue.

Illuminator

The B-500 microscopes are equipped with a high-efficiency dichroic 20W illuminator, that leaves ample room for light-intensive applications, such as phase contrast or dark field, without the need for complex active cooling.

Condenser

The fully accessible and centrable Köhler layout allows to adjust all the optical parameters of the illumination system, for the best balance between contrast, resolution and depth of focus.

Specimen stage

A generously sized double layer stage, with room for two specimen slides, optimally completes the instrument.

No compromise on image quality

B-500 SERIES



A perfect mix of simplicity and performance

Technical features

Model	Head	Eyepiece	Objectives	Revolver	Stage	Focusing	Condenser	Illuminator
B-500Bsp	Binocular 360° rotating 30° inclined	Wide Field 10X / 22 mm	Semiplan Achromatic 4x, 10x, 40x, 100x (oil immersion)	Quintuple reversed	Double layer with mechanical sliding stage, 175x145 mm	Coaxial coarse and fine focusing system, with focusing stop mechanism	1.25 N.A. Abbe type, with cen- tring system	High efficiency Halogen 20W dichroic bulb
B-500Tsp	Trinocular 360° rotating 30° inclined	Wide Field 10X / 22 mm	Semiplan Achromatic 4x, 10x, 40x, 100x (oil immersion)	Quintuple reversed	Double layer with mechanical sliding stage, 175x145 mm	Coaxial coarse and fine focusing system, with focusing stop mechanism	1.25 N.A. Abbe type, with cen- tring system	High efficiency Halogen 20W dichroic bulb
B-500Bpl	Binocular 360° rotating 30° inclined	Wide Field 10X / 22 mm	Plan Achromatic 4x, 10x, 40x, 100x (oil immersion)	Quintuple reversed	Double layer with mechanical sliding stage, 175x145 mm	Coaxial coarse and fine focusing system, with focusing stop mechanism	1.25 N.A. Abbe type, with cen- tring system	High efficiency Halogen 20W dichroic bulb
B-500Tpl	Trinocular 360° rotating 30° inclined	Wide Field 10X / 22 mm	Plan Achromatic 4x, 10x, 40x, 100x (oil immersion)	Quintuple reversed	Double layer with mechanical sliding stage, 175x145 mm	Coaxial coarse and fine focusing system, with focusing stop mechanism	1.25 N.A. Abbe type, with cen- tring system	High efficiency Halogen 20W dichroic bulb
B-500Bph	Binocular 360° rotating 30° inclined	Wide Field 10X / 22 mm	Plan Achromatic for phase contrast 10x, 20x, 40, 100x (oil immersion)	Quintuple reversed	Double layer with mechanical sliding stage, 175x145 mm	Coaxial coarse and fine focusing system, with focusing stop mechanism	1.25 N.A. Abbe type, with centring system, disc condenser for phase contrast	High efficiency Halogen 20W dichroic bulb
B-500Tph	Trinocular 360° rotating 30° inclined	Wide Field 10X / 22 mm	Plan Achromatic for phase contrast 10x, 20x, 40, 100x (oil immersion)	Quintuple reversed	Double layer with mechanical sliding stage, 175x145 mm	Coaxial coarse and fine focusing system, with focusing stop mechanism	1.25 N.A. Abbe type, with centring system, disc condenser for phase contrast	High efficiency Halogen 20W dichroic bulb

A complete range of instruments

B-500 SERIES

The B-500 series can be equipped with accessories such as phase contrast, polarizing set, photo or video adapter, dark field condenser and eyepieces.



B-500 SERIES

The B-500 series can be connected to our Optikam and DIGI systems by using additional accessory. For T-mount (reflex) and C-mount cameras, specific adaptors are readily available.



Accessories



M-625	EWF10x/22mm eyepiece
M-601	WF15x/16mm eyepiece
M-602	Micrometer eyepiece EWF10x/22mm
M-005	26x76 mm micrometric slide. Range 1 mm, div. 0,01 mm
M-501	4x s-plan achromatic objective
M-502	10x s-plan achromatic objective
M-503	20x s-plan achromatic objective
M-504	40x s-plan achromatic objective
M-505	60x s-plan achromatic objective
M-506	100x s-plan achromatic objective
M-507	4x plan achromatic objective
M-508	10x plan achromatic objective
M-509	20x plan achromatic objective
M-510	40x plan achromatic objective
M-511	60x plan achromatic objective
M-512	100x plan achromatic objective
M-630	10x plan achromatic objective for phase contrast
M-631	20x plan achromatic objective for phase contrast
M-632	40x plan achromatic objective for phase contrast
M-633	100x plan achromatic objective for phase contrast
M-513	Polarising set (filters only)
M-516	Rotating table for polarising set
M-618	Darkfield condenser for dry objectives
M-616	Complete phase contrast set with plan obj. 10x, 20x, 40x, 100x
M-666	Heating stage, with digital temperature controller
M-619	Photo tube adapter for SRL cameras
M-699	Photo tube adapter for DIGI digital camera series
M-620	CCD camera adapter
M-515	12V/20W halogen bulb, with dichroic mirror
M-034	Dust cover type 5
M-975	Blue filter, 45 mm diameter
M-977	Green filter, 45 mm diameter
M-979	Yellow filter, 45 mm diameter
M-989	Frosted glass filter, 45 mm diameter
M-690	Eyecup (pair)

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