

# OPTIKA

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



## B-350 SERIES

available with



### Biological microscopes

**B-350 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.

**NEW****The series**

The brand new series B-350 strikes the right balance between price and quality.

Thanks to the variety of its microscopes, it can be successfully used both in advanced teaching situations and in laboratories. Professional users will certainly value the technical characteristics of the B-350 series that make its high quality microscopes resistant and reliable.

The series B-350 includes 6 models featuring achromatic, planachromatic and infinity corrected plan objectives.

Let's now take a closer look to each model:

**B-352A**

Binocular microscope A

**B-353A**

Trinocular microscope A

**B-352PL**

Binocular microscope PL, quintuple nosepiece

**B-353PL**

Trinocular microscope PL, quintuple nosepiece

**B-352PLi**

Binocular microscope E-PL IOS, quintuple nosepiece

**B-353PLi**

Trinocular microscope E-PL IOS, quintuple nosepiece

## B-350 SERIES

### Optical system & objectives

The series B-350 microscopes are equipped, depending on the various models, with two different types of optical system: 160 mm standard and infinity corrected system (IOS). In both cases the field diameter of the system is 20 mm.

### Microscope stand

Modern and ergonomic, this stand is made from die-cast aluminium. Macro and micrometric focusing (graduated, 0.002mm) with coaxial controls. Adjustable focusing tension and upper sliding stop.

### Heads

They are available in binocular and in trinocular version suitable for photography/video applications. Both heads are equipped with interpupillary distance control (51-78 mm) as well as with dioptric compensation. WF10x/20mm eyepieces also suitable for people wearing spectacles. All heads are 360° rotatable and 30° inclined.

### Illuminator

The illuminating system consists of an LED illuminator. The luminous intensity regulation takes place through a rheostat located on the right-hand side of the microscope base.

### Condenser

Included in the package is an Abbe type condenser. It can be centred through a double-control system and adjusted in height through a rack-and-pinion mechanism by means of control knobs located on both sides of the microscope stand. The condenser is also fitted with an iris diaphragm whose aperture can be adjusted with graduated reference scale.



### B-352A B-353A

Quadruple nosepiece 4x 10x 40x  
100x Achromatic objective

## **B-350 SERIES**

### **B-352PL B-353PL**

Quintuple nosepiece  
4x 10x 40x 100x  
Plan achromatic objectives



**B-350 SERIES****B-352PLi  
B-353PLi**

Quintuple nosepiece  
4x 10x 40x 100x  
Plan achromatic IOS objectives





# Technical features

NEW

Model	Head	Eyepiece	Objectives	Revolver	Stage	Focusing	Condenser	Illuminator
<b>B-352A</b>	Binocular 360° rotating 30° inclined	Wide Field 10X / 20 mm	Achromatic 4x, 10x, 40x, 100x (oil immersion)	Quadruple	Double layer with mechanical sliding stage, 160x142 mm, moving range 76x52 mm	Coaxial coarse and fine focusing system, with focusing stop mechanism	1.25 N.A. Abbe type, with cen- tring system	White LED, non- rechargeable, with brightness control
<b>B-353A</b>	Trinocular 360° rotating 30° inclined	Wide Field 10X / 20 mm	Achromatic 4x, 10x, 40x, 100x (oil immersion)	Quadruple	Double layer with mechanical sliding stage, 160x142 mm, moving range 76x52 mm	Coaxial coarse and fine focusing system, with focusing stop mechanism	1.25 N.A. Abbe type, with cen- tring system	White LED, non- rechargeable, with brightness control
<b>B-352PL</b>	Binocular 360° rotating 30° inclined	Wide Field 10X / 20 mm	Plan Achromatic 4x, 10x, 40x, 100x (oil immersion)	Quintuple	Double layer with mechanical sliding stage, 160x142 mm, moving range 76x52 mm	Coaxial coarse and fine focusing system, with focusing stop mechanism	1.25 N.A. Abbe type, with cen- tring system	White LED, non- rechargeable, with brightness control
<b>B-353PL</b>	Trinocular 360° rotating 30° inclined	Wide Field 10X / 20 mm	Plan Achromatic 4x, 10x, 40x, 100x (oil immersion)	Quintuple	Double layer with mechanical sliding stage, 160x142 mm, moving range 76x52 mm	Coaxial coarse and fine focusing system, with focusing stop mechanism	1.25 N.A. Abbe type, with cen- tring system	White LED, non- rechargeable, with brightness control
<b>B-352PLi</b>	Binocular 360° rotating 30° inclined	Wide Field 10X / 20 mm	Plan Achromatic IOS 4x, 10x, 40x, 100x (oil immersion)	Quintuple	Double layer with mechanical sliding stage, 160x142 mm, moving range 76x52 mm	Coaxial coarse and fine focusing system, with focusing stop mechanism	1.25 N.A. Abbe type, with cen- tring system	White LED, non- rechargeable, with brightness control
<b>B-353PLi</b>	Trinocular 360° rotating 30° inclined	Wide Field 10X / 20 mm	Plan Achromatic IOS 4x, 10x, 40x, 100x (oil immersion)	Quintuple	1 Double layer with mechanical sliding stage, 160x142 mm, moving range 76x52 mm	Coaxial coarse and fine focusing system, with focusing stop mechanism	1.25 N.A. Abbe type, with cen- tring system	White LED, non- rechargeable, with brightness control



## Photo-Video application

The B-350 series can be connected to our Optikam and DIGI systems without any additional accessory. For T-mount (reflex) and C-mount cameras, specific adaptors are readily available.



# Accessories



M-301	WF10x/20mm high-point eyepiece
M-302	WF10x/12mm high-point eyepiece
M-303	WF10x/20mm high-point micrometer eyepiece
M-005	26x76 mm micrometric slide. Range 1 mm, div. 0,01 mm
M-310	4x achromatic objective
M-311	10x achromatic objective
M-312	20x achromatic objective
M-313	40x achromatic objective
M-314	60x achromatic objective
M-315	100x achromatic objective
M-320	4x plan achromatic objective
M-321	10x plan achromatic objective
M-322	20x plan achromatic objective
M-323	40x plan achromatic objective
M-324	60x plan achromatic objective
M-325	100x plan achromatic objective
M-330	4x IOS plan achromatic objective
M-331	10x IOS plan achromatic objective
M-332	20x IOS plan achromatic objective
M-333	40x IOS plan achromatic objective
M-334	100x IOS plan achromatic objective
M-340	10x plan achromatic objective for phase contrast
M-341	40x plan achromatic objective for phase contrast
M-342	100x plan achromatic objective for phase contrast
M-350	10x IOS plan achromatic objective for phase contrast
M-351	20x IOS plan achromatic objective for phase contrast
M-352	40x IOS plan achromatic objective for phase contrast
M-353	100x IOS plan achromatic objective for phase contrast
M-360	Complete phase contrast set with PLAN obj. 10x, 40x, 100x. With darkfield condenser
M-361	Complete phase contrast set with IOS E-PLAN obj. 10x, 20x, 40x, 100x
M-362	Polarising set (filters only)
M-363	Rotating table for polarising set
M-364	Darkfield condenser for dry objectives
M-365	Photo tube adapter for SRL cameras
M-366	CCD camera adapter
M-031	Dust cover type 3
M-974	Blue filter, 32 mm diameter
M-976	Green filter, 32 mm diameter
M-978	Yellow filter, 32 mm diameter
M-988	Frosted glass filter, 32 mm diameter

[WWW.OPTIKAMICROSCOPES.COM](http://WWW.OPTIKAMICROSCOPES.COM)

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