

# OPTIKA

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I T A L Y



**B-100 SERIES**

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Educational biological microscopes

## B-100 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-100 Series Microscopes have been designed to fulfill all requirements of educational laboratories. The four available models include a broadband standard equipment, that allows a pleasant and effective approach to the world of microscopy. The quality of optics, the reliability of mechanical parts and the extremely attractive price, effectively result in an excellent price/quality ratio, ranking these instruments at the top of their category.

### Heads

360° rotating monocular and binocular heads with 45° (B-110, B-120, B-125, B-126 and B-131) or 30° (B-130) inclined eyepiece holders. Wide field WF10x/18mm eyepieces. The B-130 binocular model features interpupillary distance adjustment and dioptric compensation.

### Focusing

The series features two types of focusing systems: the B-110 and B-120 models are provided with macro and micrometric adjustments with separate controls. The B-125, B-126, B-130 and B-131 models have coaxial controls.

### Specimen stages

The B-110 and B-120 models are both equipped with a simple specimen stage (132x127 mm), the latter featuring a translation mechanism applied to the stage that replaces the object slide clamps. The B-125, B-126, B-130 and B-131 are fitted with a translating double-layer specimen stage (142x132 mm) with coaxial controls located perpendicularly to the stage.

### Illuminators

Cold-light (white) fluorescent 5W lamp, that compares to a 25W filament lamp. The B-125 model is fitted with a special LED illumination system that can reach 50,000 hours of continuous use. The B-126 and B-131 models is fitted with rechargeable battery. The systems require no corrective blue filter.



## Technical features

Model	Head	Eyepiece	Objectives	Stage	Focusing	Condenser	Illuminator
<b>B-110</b>	Monocular	WF10x/18mm	Achromatic DIN 4x, 10x, 40x	132x127mm with sample clips	Separate coarse and fine control knobs	N.A. 0.65 with iris diaphragm	5W fluorescent tube
<b>B-120</b>	Monocular	WF10x/18mm	Achromatic DIN 4x, 10x, 40x and 100x	132x127mm with attached mechanical stage	Separate coarse and fine control knobs	N.A. 1.25 with iris diaphragm	5W fluorescent tube
<b>B-125</b>	Monocular	WF10x/18mm	Achromatic DIN 4x, 10x, 40x and 100x	132x127mm with attached mechanical stage	Separate coarse and fine control knobs	N.A. 1.25 with iris diaphragm	LED
<b>NEW</b> <b>B-126</b>	Monocular	WF10x/18mm	Achromatic DIN 4x, 10x, 40x and 60x	142x132mm 2-layer mechanical stage	Coaxial coarse and fine control knobs	N.A. 1.25 with iris diaphragm	LED with rechargeable battery
<b>B-130</b>	Binocular	WF10x/18mm	Achromatic DIN 4x, 10x, 40x and 100x	142x132mm 2-layer mechanical stage	Coaxial coarse and fine control knobs	N.A. 1.25 with iris diaphragm	5W fluorescent tube
<b>NEW</b> <b>B-131</b>	Binocular	WF10x/18mm	Achromatic DIN 4x, 10x, 40x and 60x	142x132mm 2-layer mechanical stage	Coaxial coarse and fine control knobs	N.A. 1.25 with iris diaphragm	LED with rechargeable battery

**B-110****B-120****B-130****B-125****B-131 NEW****B-126 NEW**

## Accessories



- M-001 H5x eyepiece
- M-002 WF10x/18mm eyepiece
- M-003 WF16x/12mm eyepiece
- M-004 Micrometer eyepiece WF10x/18mm
- M-131 4x achromatic objective 4x/0.10
- M-132 10x achromatic objective 10x/0.25
- M-133 20x achromatic objective 20x/0.40
- M-134 40x achromatic objective 40x/0.65
- M-135 60x achromatic objective 60x/0.85
- M-136 100x achromatic objective 100x/1.25 (oil immersion)
- M-040 Attachable mechanical stage
- M-140 Polarising set (filters only)
- M-018 5W fluorescent tube
- M-972 Plane-concave mirror, with base, Type 5
- M-031 Dust cover type 3