OPTIKA®
MICROSCOPES
ITALY

B-810 & B-1000



Research Lab Upright Microscopes

B-810/B-1000 - Research Lab Upright Microscopes



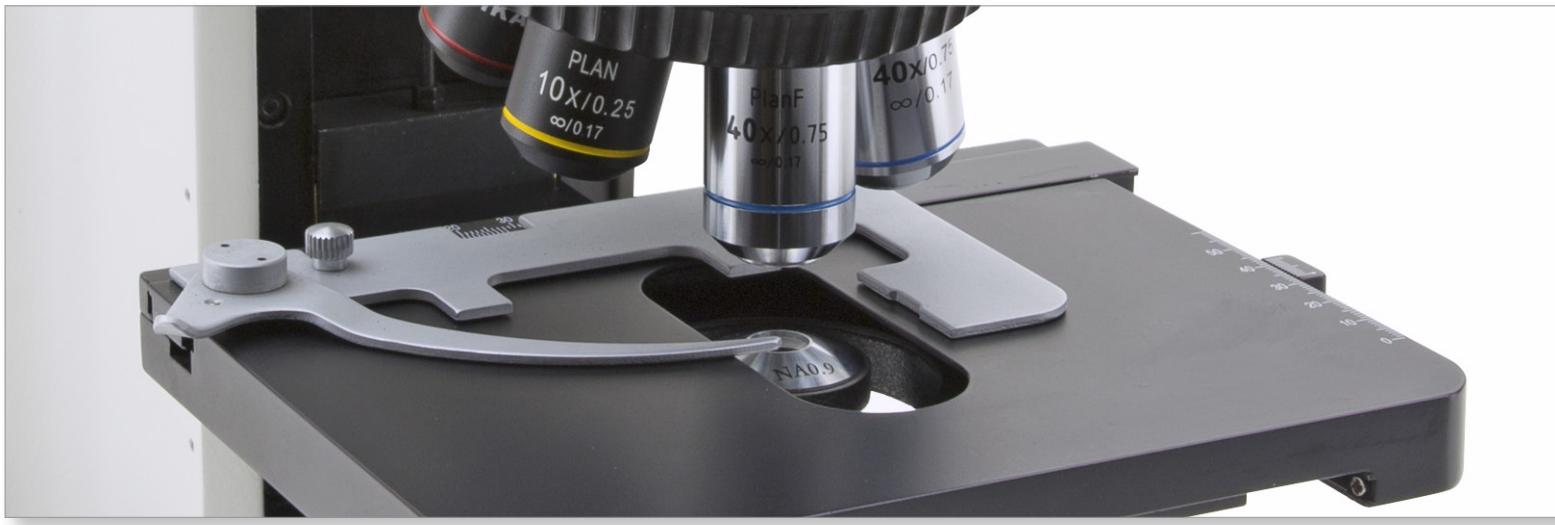
B-810/B-1000 - Research Lab Upright Microscopes

OPTIKA Microscopes, thanks to the long experience achieved in microscopy development, has conceived the new B-1000: a major leap in our technological offer. As a flagship instrument, B-1000 originates from customer most demanding feedbacks and needs. Its modularity and versatility will allow to find the perfect place in any clinical or basic reasearch laboratory.
All controls are easily accessible and comfortable also for extended periods of observation.



B-1000 is built on IOS Infinity Corrected optical system, which gives both top-notch optical performances, and the possibility to extend your instrument with the broad range of accessories and modules. X-LED illumination is the best solution to have pure white light, very intense even at higher magnification, and optimum power efficiency given by solid state source.

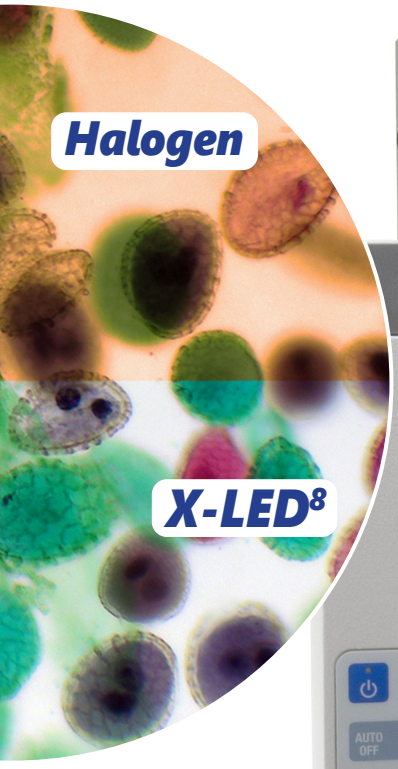
If you are a looking for our best solution to your present and future professional demands, B-1000 is the answer.

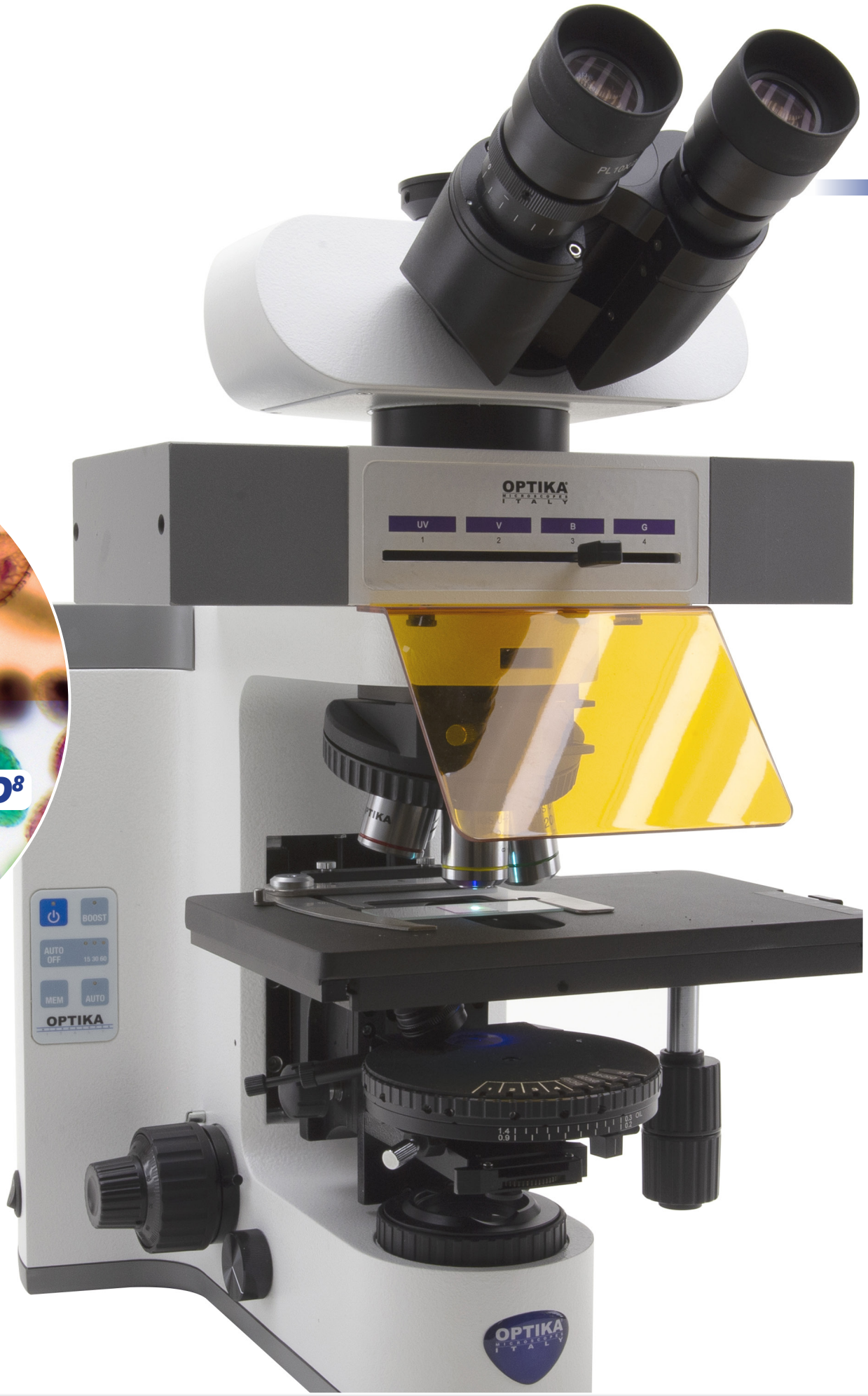


Highest category of optical equipment among our product range guarantees a sharp and clear view in any situation, while top level mechanical design offers sturdiness and long lifetime.



B-810/B-1000 - Research Lab Upright Microscopes





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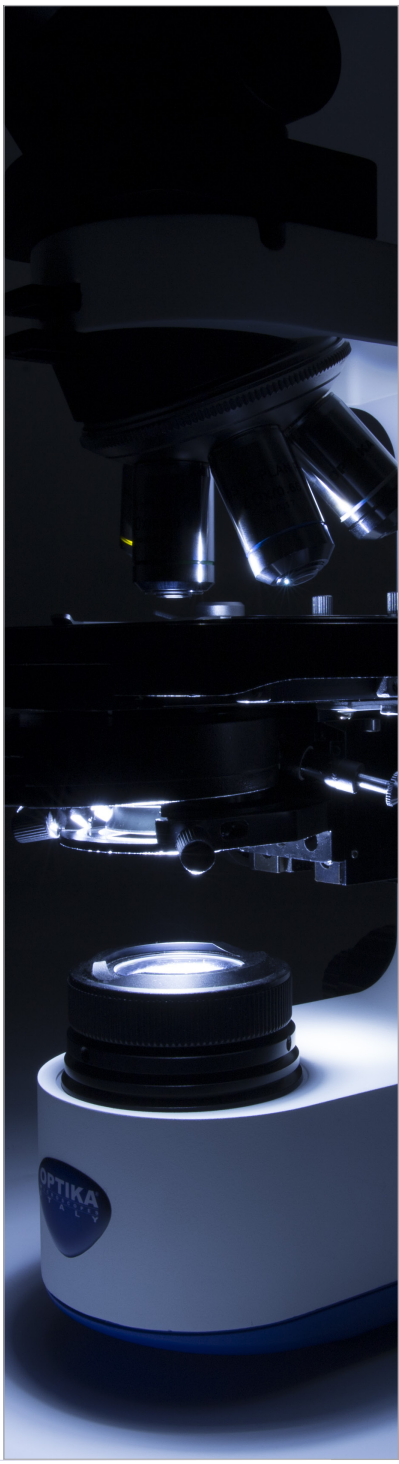
Solid Stand – Extra Stability
A completely new design and a die-cast aluminum stand offer solidity and durability, even for the most demanding laboratory use.

This new microscope can seamlessly be upgraded with many attachments that extend its field of use.

X-LED White Illumination
X-LED illumination system is based on a pure white high-efficiency LED and a special optics. It guarantees constant color temperature, no heat, and an extreme electrical consumption efficiency.
The whole system is pre-aligned and boasts a lifetime of 50,000 hours.

X-LED benefits
Powerful pure white LED illumination, ideal for brightfield, darkfield and phase contrast applications.
Constant color temperature through all the intensity levels. No heat generation, avoiding damage of the specimen.
Factory pre-centering assures uniform illumination over the field of view, yet providing perfect Koehler alignment. Very long lifetime and high power efficiency.

Light under control
Intelligent control of the microscope illumination: the "AUTO-OFF" function automatically switches the light off after a user-selectable time period. "BOOST" gives an extra high level of illumination for light-demanding applications. "AUTO" allows to store an illumination level, and to maintain it throughout the inspection.





Ergonomy
Low position focus and stage controls allow a fast and comfortable operation. Frequently used controls as light intensity adjustment and diaphragm are also placed in the lower part of the stand and enable operation without having to take the eyes off the specimen. All optical heads are equipped with high-point eyepieces and dioptric adjustment, for the best viewing experience.

B-810/B-1000 - Research Lab Upright Microscopes



Modularity – Build your own solution
Many worlds in one instrument. Modularity allows to build the desired solution (brightfield, darkfield, phase contrast, material science, fluorescence, motorized automation and so on). B-1000 has the flexibility to help your work the best way.

Comfortable Stage
Refined belt-driven stage, with a wide working surface and a highly precise XY movement.



High Quality IOS Optical System
Infinity corrected optical system, based on planachromatic, fluorite and semi-apochromatic objectives, designed to give sharp and clear images, both for the user and the digital camera. Quintuple and sextuple nosepieces give the flexibility to build the objectives that best suits your needs. The system is completed with wide field, high-point eyepieces, with a field number of 24mm.

Ready for Digital Imaging
Range of adapters can accommodate for C-mount digital cameras, as well as reflex cameras. Focus adjustment gives perfectly clear digital images. Our cameras include specific software for capturing, measuring, marking and storing your images. Pro View software allows to perform image acquisition, post-processing, measurements and storage of your images. User can save a preset for later work, or even create a multi-focus composition.



B-810/B-1000 - Research Lab Upright Microscopes



Remote-controlled microscope
The stage can be remote-controlled through a dedicated software: X, Y, Z axes, as well as nosepiece, can be moved with a single click. Communication protocol is available for interfacing with custom software, such as automated analysis or autofocus.

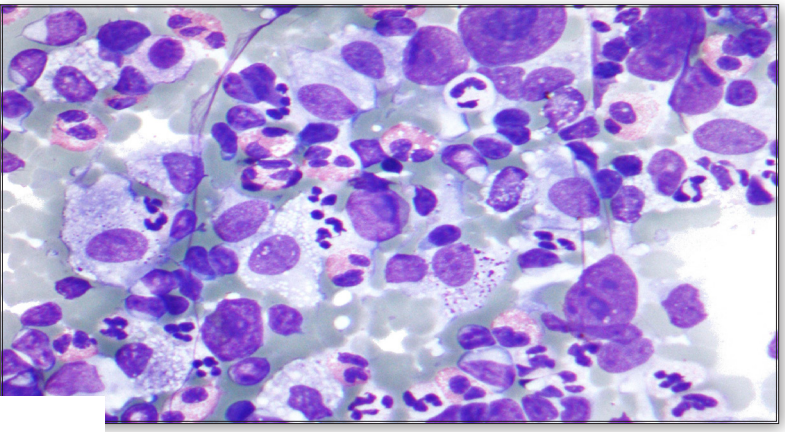


X-Y-Z motorized stage
Motorized nosepiece

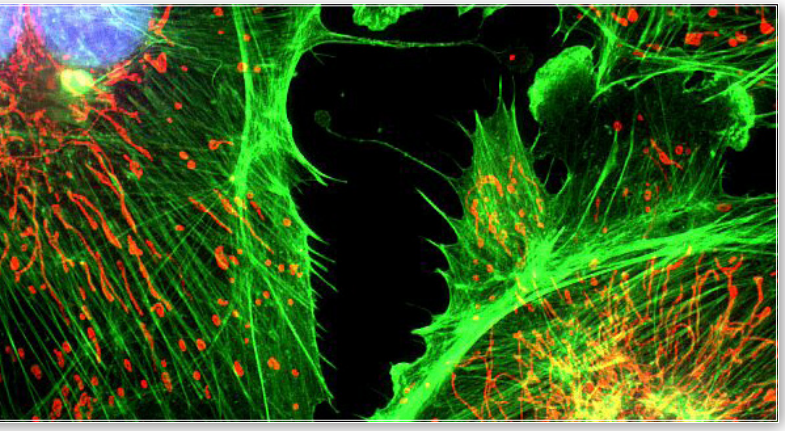




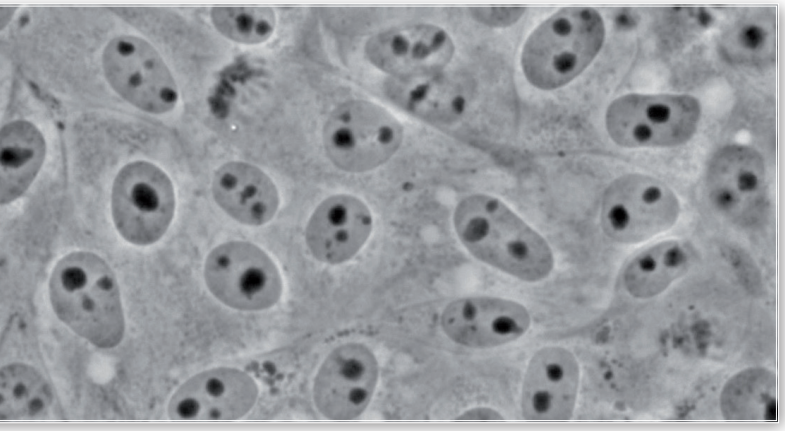
B-810/B-1000 - Observation Methods



Pathology / Cytology
Since B-810 / B-1000 use white LED illumination, they can maintain the same color temperature even if the brightness is changed. "AUTO" function automatically adjusts the light intensity when the objective is changed or the aperture diaphragm is set to a different value.
These feautures, along with motorized stage and ergonomic controls, make your workflow easier.



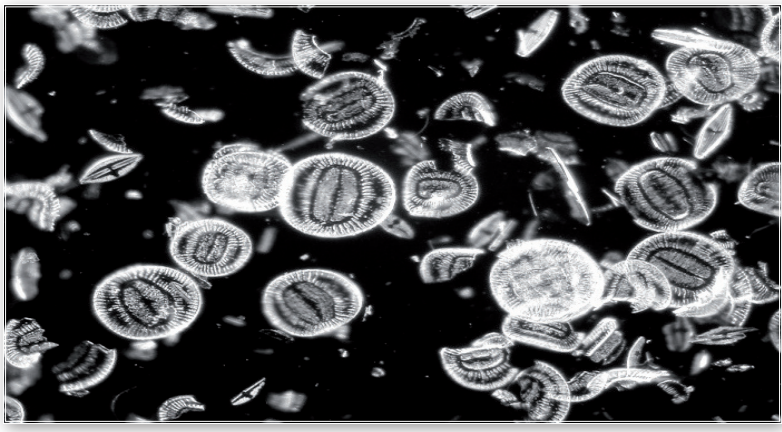
Fluorescence Microscopy
A new attachment for epi-fluorescence provides the ultimate solution in the field of fluorescence diagnostic. Vibration-free six positions filter wheel with shutter, field and aperture diaphragms offer all you need for a complete analysis.
Custom filtersets are available and mounted on request.
For application where efficiency, rapidity and ease of use are crucial, this model offers also a LED epi-fluorescence attachment, with very high power standard illuminators.



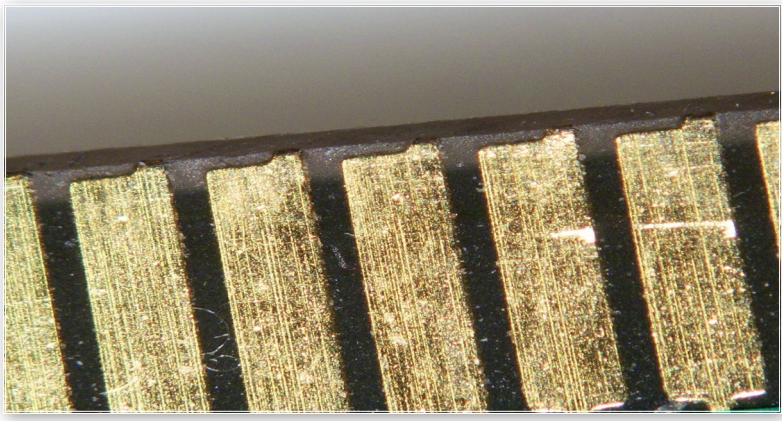
Phase Contrast Microscopy
The bright LED illuminator brings a comfortable view in phase contrast with all magnifications. Universal wheel condenser allows to quickly switch between brightfield, darkfield and phase contrast.
Ideal for clinical laboratories or fibers (e.g. asbestos) analysis.

B-810/B-1000 - Observation Methods

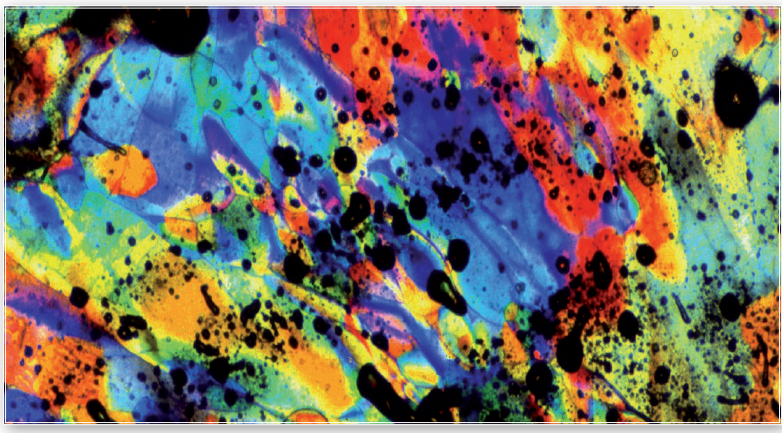
Darkfield Microscopy
Ideal for observing blood cells, diatoms, small insects, bone, fibers, unstained bacteria, yeast, protozoa, mineral and chemical crystals, colloidal particles, dust-count specimens, and thin sections of polymers and ceramics.



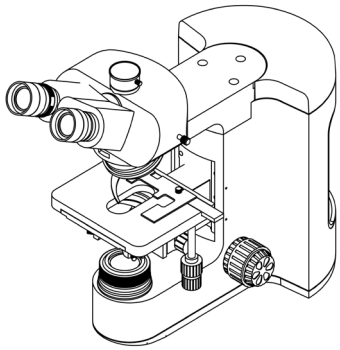
Material Science
A new attachment designed specifically for metallographic inspection, with dedicated objectives set, for the most complete epi-illumination analysis: brightfield, darkfield and polarizing view observations.

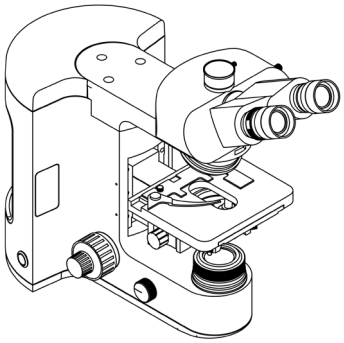


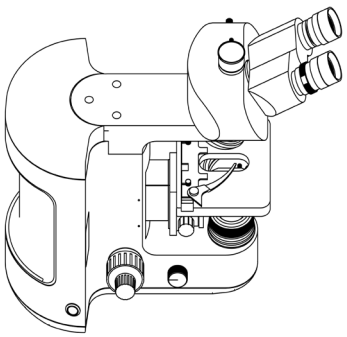
Polarizing Microscopy
Polarized light microscopy is used in geological applications or also for both natural and industrial minerals, composites such as concretes, ceramics, mineral fibers and polymers, and crystalline or biological molecules such as DNA, starch, wood and urea.
Attachments for a full polarization analysis are available (both for transmitted and incident light), so it's possible to look at color fringes right away.

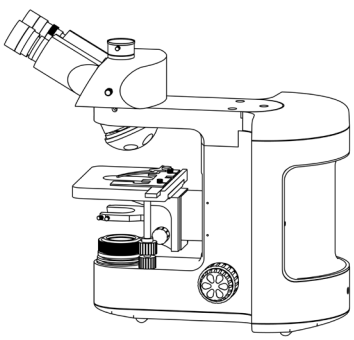


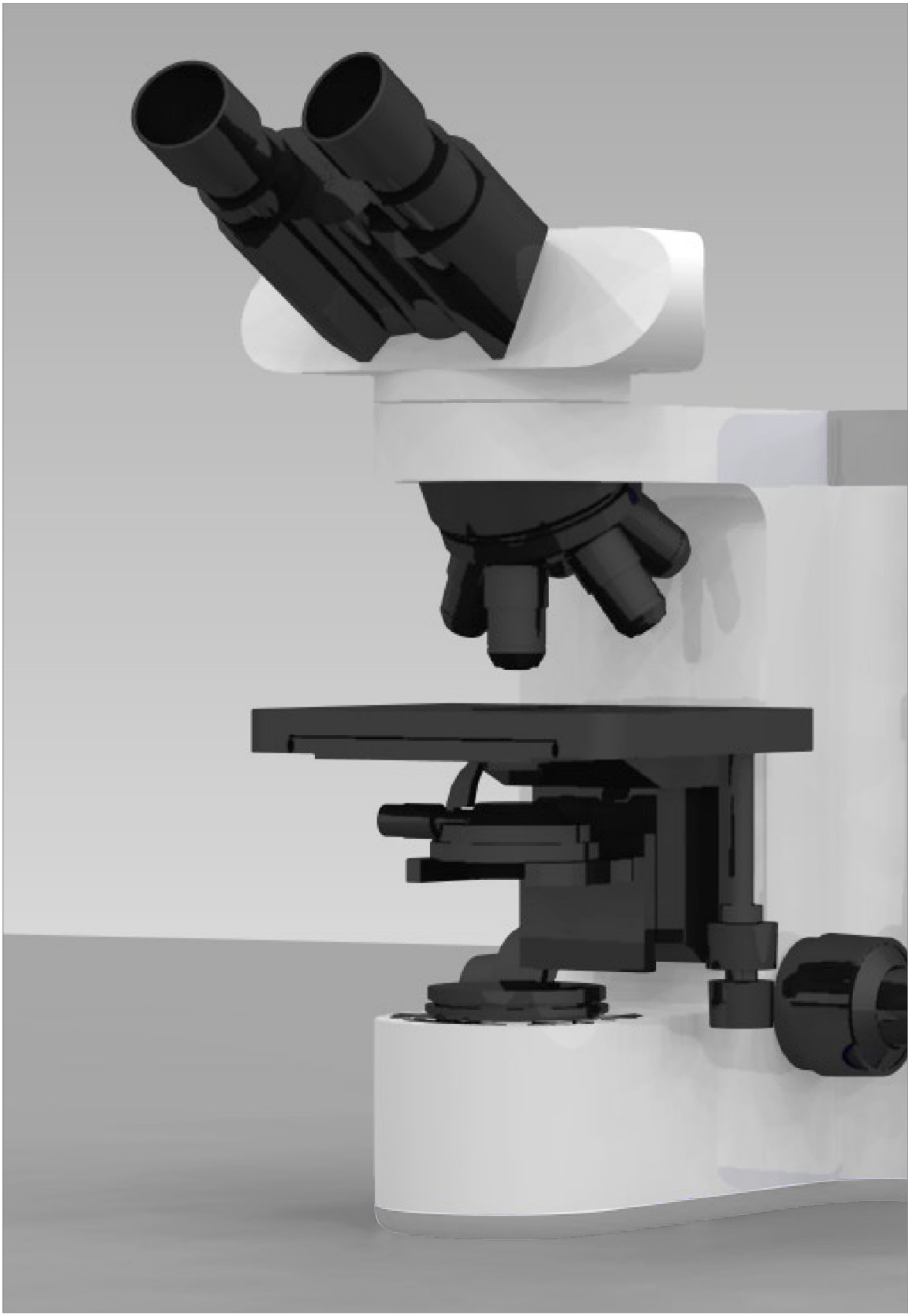
B-810/B-1000 - Design and Production











B-810/B-1000 - Design and Production

OPTIKA workshop provides the facilities for precise and reliable optomechanical manufacturing, essential for this kind of instruments.

CNC machining department, equipped with 5-axis milling machine and lathe.



Die-cast stands ready to be processed.



Work in progress inside the milling machine.



Microscope stands exiting from the internal varnishing facility.



TÜV SÜD ISO 9001

All processes are carefully monitored through the application of **ISO 9001 Quality System standards**.

B-810/B-1000 - Components

Eyepieces



M-1001
PL10x/22 eyepieces (pair), high eyepoint, with rubber cup (retractable)



M-1002
PL10x/24 eyepieces (pair), high eyepoint, with rubber cup (retractable); for B-1000 only



M-1003
PL15x/16 eyepieces (pair), high eyepoint



M-781
PL10x/22 eyepiece, high eyepoint, with micrometric scale (10mm/100um) & rubber cup (retractable)



AA-01
12.5x/15 eyepieces (pair), high eye-point, with dioptric adjustment, one with W&B graticule for Asbestos



M-1004.N
Centering telescope



B-810/B-1000 - Components

Heads



M-1010
Trinocular head, two positions (100/0, 50/50) for B-1000



M-1011
Trinocular head, three positions (100/0, 50/50, 0/100) for B-1000



M-1012
Binocular ERGO head for B-1000



M-1013
Trinocular ERGO head, two positions (100/0, 50/50) for B-1000

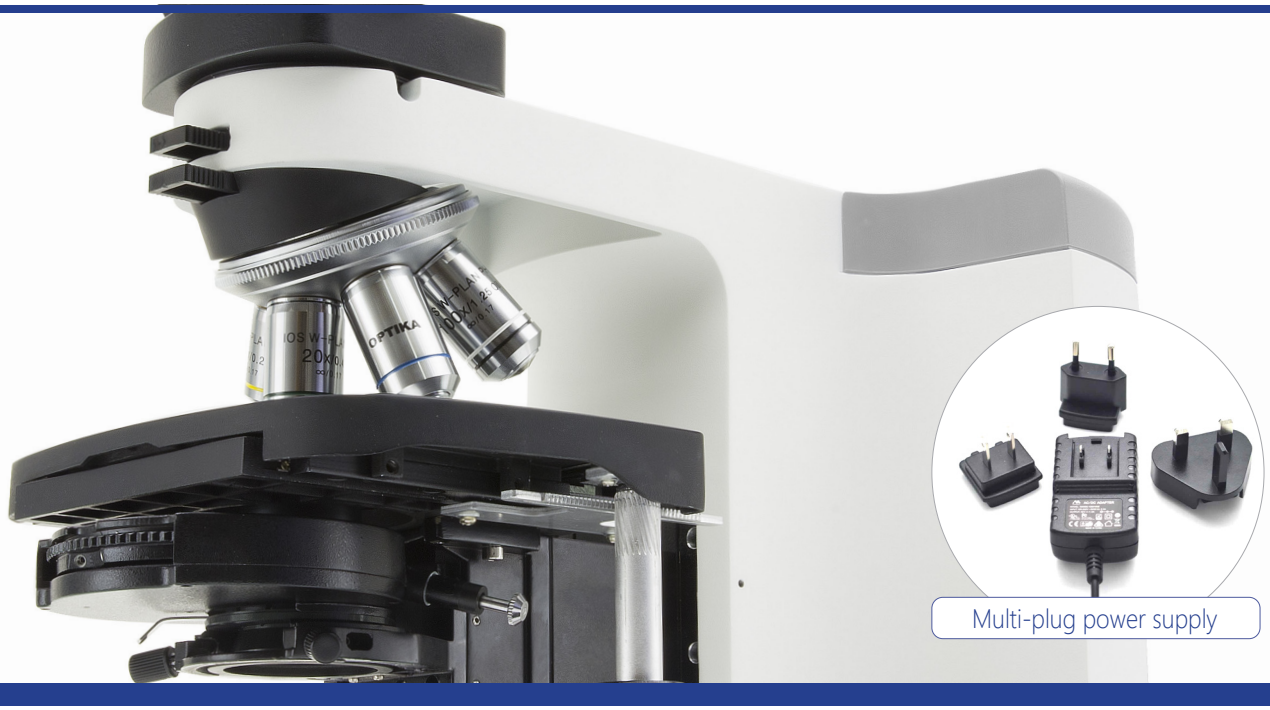


M-1188
Trinocular head, single position (50/50) for B-810



B-810/B-1000 - Components

Bodies

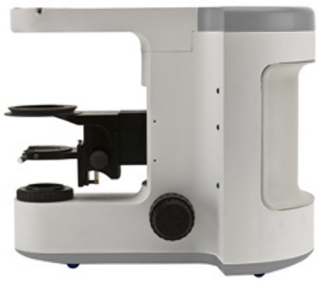


Multi-plug power supply

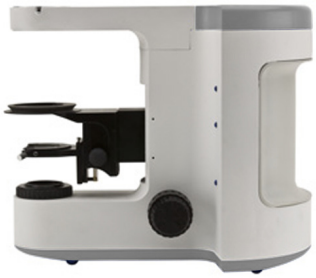
M-1187
Main body with focus system and X-LED^3 illumination for B-810.



M-1021B
Main body with focus system and X-LED^8 illumination, for general purposes for B-1000.



M-1021M
Main body with focus system and X-LED8 illumination, for brightfield metallurgical B-1000.



M-1022M
Main body with focus system (incident light only) for brightfield metallurgical B-1000.



M-1021MD
Main body with focus system and X-LED8 illumination, for brightfield/darkfield metallurgical B-1000B-1000.



M-1022MD
Main body with focus system (incident light only), for brightfield/darkfield metallurgical B-1000.



M-1156
Upgrade (controller) for any kind of motorization (stage, Z-axis, nosepiece, or all of them together); for B-1000

M-1149
Motorization of Z-axis for B-1000

Nosepieces



M-1040
Quintuple reversed nosepiece, for RMS objectives; for B-810



M-1041
Sextuple reversed nose-piece, for RMS objectives; for B-810



M-1042
Sextuple reversed nose-piece, for RMS objectives with DIC slot; for B-1000



M-1043
Sextuple motorized reversed nosepiece, for RMS objectives with DIC slot; for B-1000



M-1044
Quintuple reversed nosepiece, with centrable positions for POL objectives; for B-1000



B-810/B-1000 - Components

W-PLAN Objectives



Plan Objectives - **IOS W-PLAN Series**



M-1049 IOS W-PLAN 2x/0.05
M-1125 IOS W-PLAN 4x/0.10
M-1126 IOS W-PLAN 10x/0.25
M-1127 IOS W-PLAN 20x/0.40
M-1128 IOS W-PLAN 40x/0.65
M-1129 IOS W-PLAN 60x/0.80
M-1130 IOS W-PLAN objective 100x/1.25 (oil)
M-1130.1 IOS W-PLAN objective 100x/1.25 (Iris)

Plan Objectives - **IOS W-PLAN PH Series**



M-1120.N IOS W-PLAN PH 10x/0.25
M-1121.N IOS W-PLAN PH 20x/0.40
M-1122.N IOS W-PLAN PH 40x/0.65
M-1123.N IOS W-PLAN PH 100x/1.25 (oil)

Plan Semi-APO Objectives - **IOS W-PLAN F Series**



M-1060 IOS W-PLAN F 4x/0.13
M-1061 IOS W-PLAN F 10x/0.30
M-1062 IOS W-PLAN F 20x/0.50
M-1063 IOS W-PLAN F 40x/0.75
M-1064 IOS W-PLAN F 100x/1.30 (oil)

Plan Objectives - **IOS U-PLAN POL Series**



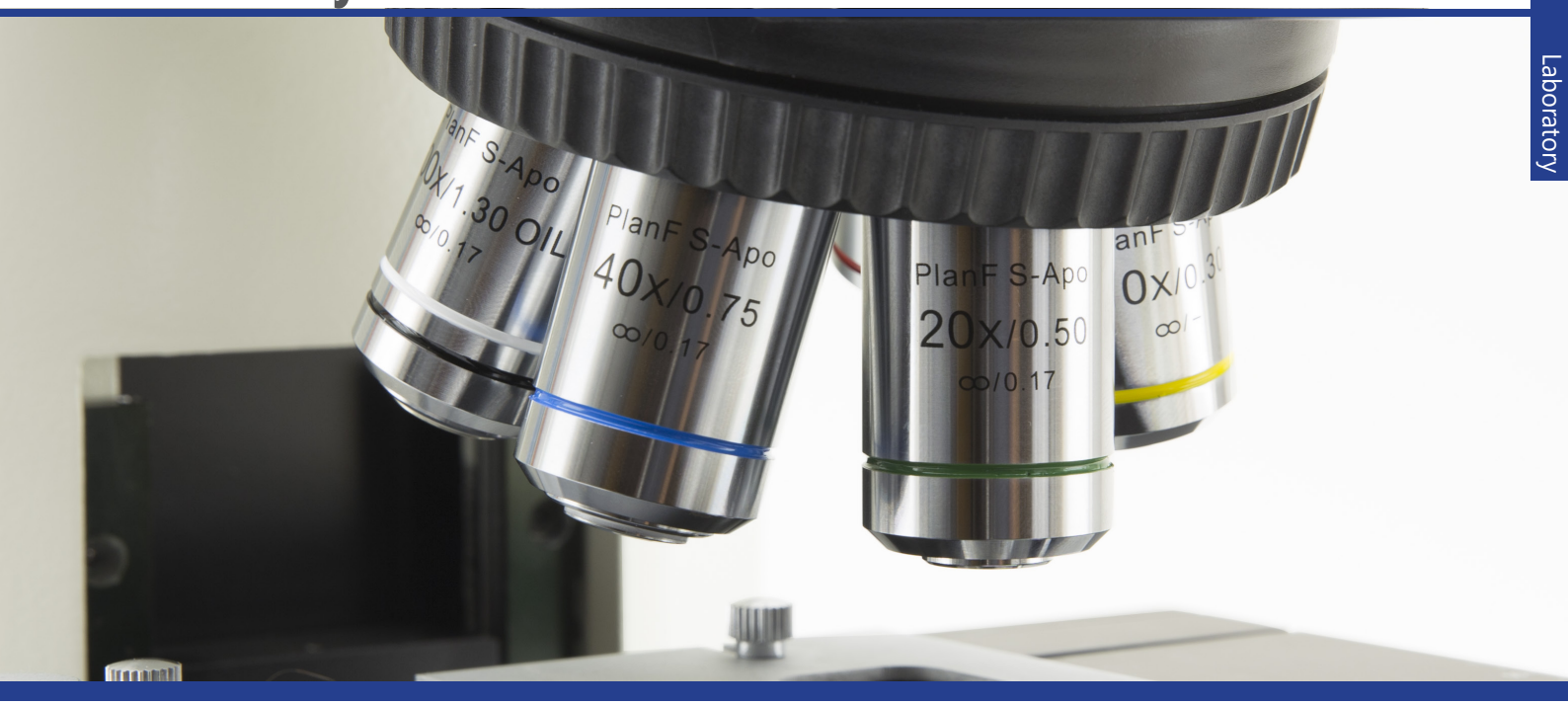
M-1080 IOS U-PLAN POL 4x/0.10
M-1081 IOS U-PLAN POL 10x/0.25
M-1081.5 IOS U-PLAN POL 20x/0.45
M-1082 IOS U-PLAN POL 40x/0.65
M-1083 IOS U-PLAN POL 60x/0.85

Plan Objectives - **IOS LWD W-PLAN MET Series**



M-1099 IOS LWD W-PLAN MET 2.5x/0.08
(with depolarizer)

U-PLAN Objectives



Plan Semi-APO Objectives - IOS U-PLAN F Series



M-1075 IOS U-PLAN F 4x/0.13
M-1076 IOS U-PLAN F 10x/0.30
M-1077 IOS U-PLAN F 20x/0.50
M-1078 IOS U-PLAN F 40x/0.75
M-1079 IOS U-PLAN F 100x/1.30 (oil)

Plan APO Objectives - IOS U-PLAN APO Series



M-1301 IOS U-PLAN APO 2x/0.08
M-1302 IOS U-PLAN APO 4x/0.13
M-1303 IOS U-PLAN APO 10x/0.40
M-1304 IOS U-PLAN APO 20x/0.75
M-1305 IOS U-PLAN APO 40x/0.95
M-1306 IOS U-PLAN APO 60x/0.90
M-1307 IOS U-PLAN APO 100x/1.35

Plan Semi-APO Objectives - IOS U-PLAN F PH Series



M-1310 IOS U-PLAN F PH 4x/0.13
M-1311 IOS U-PLAN F PH 10x/0.40
M-1312 IOS U-PLAN F PH 20x/0.75
M-1313 IOS U-PLAN F PH 40x/0.95
M-1314 IOS U-PLAN F PH 60x/0.90
M-1315 IOS U-PLAN F PH 100x/1.35

M-1157 universal condenser required

Plan Objectives - IOS LWD U-PLAN POL Series



M-1090 IOS LWD U-PLAN POL 5x/0.15
M-1091 IOS LWD U-PLAN POL 10x/0.30
M-1092 IOS LWD U-PLAN POL 20x/0.45
M-1093 IOS LWD U-PLAN POL 50x/0.55

Plan Objectives - IOS LWD U-PLAN MET Series



M-1100 IOS LWD U-PLAN MET 5x/0.15
M-1101 IOS LWD U-PLAN MET 10x/0.30
M-1102 IOS LWD U-PLAN MET 20x/0.45
M-1103 IOS LWD U-PLAN MET 50x/0.55
M-1104 IOS LWD U-PLAN MET 100x/0.80 (dry)

Plan Semi-APO Objectives - IOS LWD U-PLAN F MET Series



M-1171 IOS LWD U-PLAN F MET 5x/0.15
M-1172 IOS LWD U-PLAN F MET 10x/0.30
M-1173 IOS LWD U-PLAN F MET 20x/0.50
M-1174 IOS LWD U-PLAN F MET 50x/0.80
M-1175 IOS LWD U-PLAN F MET 100x/0.90 (dry)

Plan Objectives - IOS LWD U-PLAN MET BD (Darkfield) Series



M-1094 IOS LWD U-PLAN MET BD 5x/0.15
M-1095 IOS LWD U-PLAN MET BD 10x/0.30
M-1096 IOS LWD U-PLAN MET BD 20x/0.45
M-1097 IOS LWD U-PLAN MET BD 50x/0.55
M-1098 IOS LWD U-PLAN MET BD 100x/0.80 (dry)

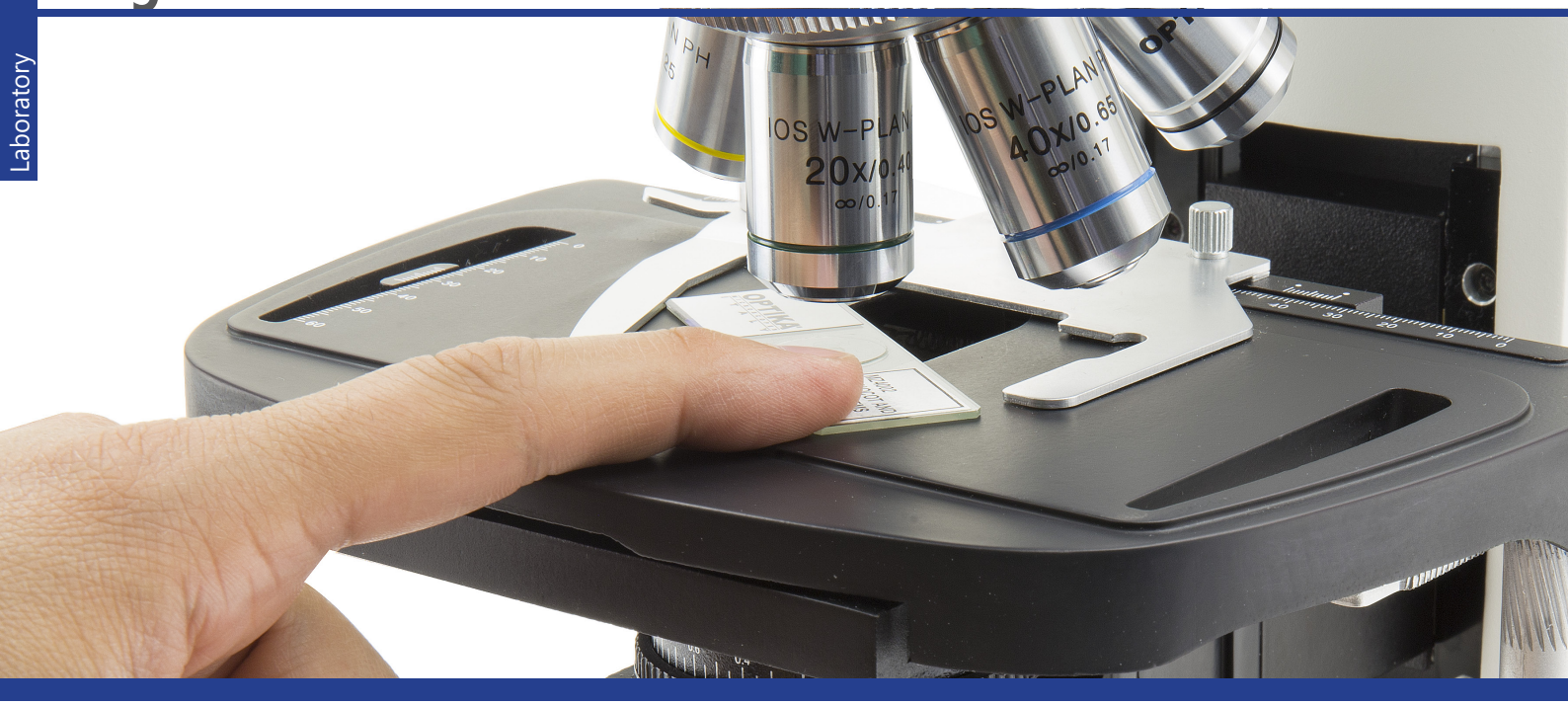
Plan Semi-APO Objectives - IOS LWD U-PLAN F MET BD Series



M-1180 IOS LWD U-PLAN F MET BD 5x/0.15
M-1181 IOS LWD U-PLAN F MET BD 10x/0.30
M-1182 IOS LWD U-PLAN F MET BD 20x/0.50
M-1183 IOS LWD U-PLAN F MET BD 50x/0.80
M-1184 IOS LWD U-PLAN F MET BD 100x/0.90 (dry)

B-810/B-1000 - Components

Stages



M-1140
Standard mechanical stage; 175x145mm for B-1000



M-1141
Rackless mechanical stage; movement knobs with friction adjustment control; 242x157mm; for B-1000.



M-1143
MPC (Mineral Solid Surface) rackless mechanical stage; movement knobs with friction adjustment control; 242x157mm; for B-1000.



M-1148
Metallurgical stage with glass, for metallurgical model; 175x145mm; for B-1000



M-1190
Rackless mechanical stage; 220x149mm; for B-810

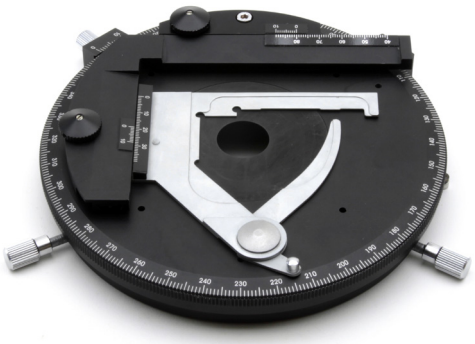


B-810/B-1000 - Components

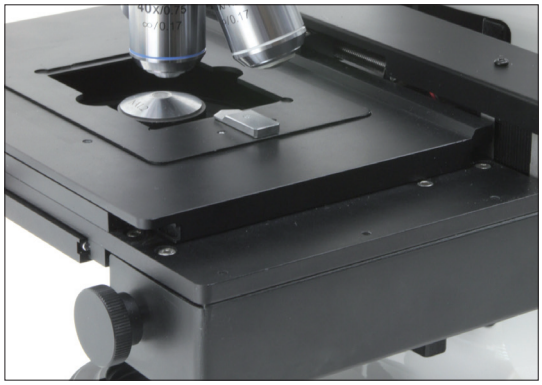
Stages



M-1145 + M-1146
Rotating Stage, centrable + attachable XY stage; dia. 172mm; for B-1000



M-1147
Motorized mechanical stage; 242x157mm; for B-1000



M-1144
Heating stage, with digital temperature controller; 175x145mm; for B-1000.



M-1190H
Heating stage, with digital temperature controller; 220x149mm; for B-810.



B-810/B-1000 - Components

Condensers



M-1189
0.90 N.A. swing-out condenser for B-810



M-1150
0.90 N.A. swing-out condenser for B-1000



M-1191
1.2 N.A. swing-out condenser for B-810



M-1151
1.2 N.A. swing-out condenser for B-1000



M-1155
0.9/0.25 N.A. swing-out condenser (to be used with objective M-1049) for B-1000



M-1154
0.70 N.A. swing-out MET condenser for B-1000



Condensers

M-1157 8-Position universal condenser for B-1000



Parts for the universal condenser M-1157

M-1205 Top lens 0.2 N.A.
M-1206 Top lens 0.9 N.A.
M-1207 Top lens 1.4 N.A.
M-1208 DIC 10x prism
M-1209 DIC 20x prism
M-1210 DIC 40x/60x prism
M-1212 10x/20x phase ring
M-1213 40x/60x phase ring
M-1214 100x phase ring
M-1215 4x phase ring
M-1216 Darkfield stop (dry)
M-1217 Darkfield stop (oil)

M-1153
0.90 N.A. swing-out POL condenser for B-1000



M-618
Darkfield condenser for dry objectives for B-1000



M-185
Darkfield condenser for dry objectives for B-810



M-1124.NO
Phase contrast condenser with insert slide 10x/20x-40x for B-810



M-1124
Phase contrast condenser with insert slide 10x/20x-40x for B-1000



M-1152.NO
Phase contrast condenser 10x, 20x, 40x, 100x, BF, DF for B-810

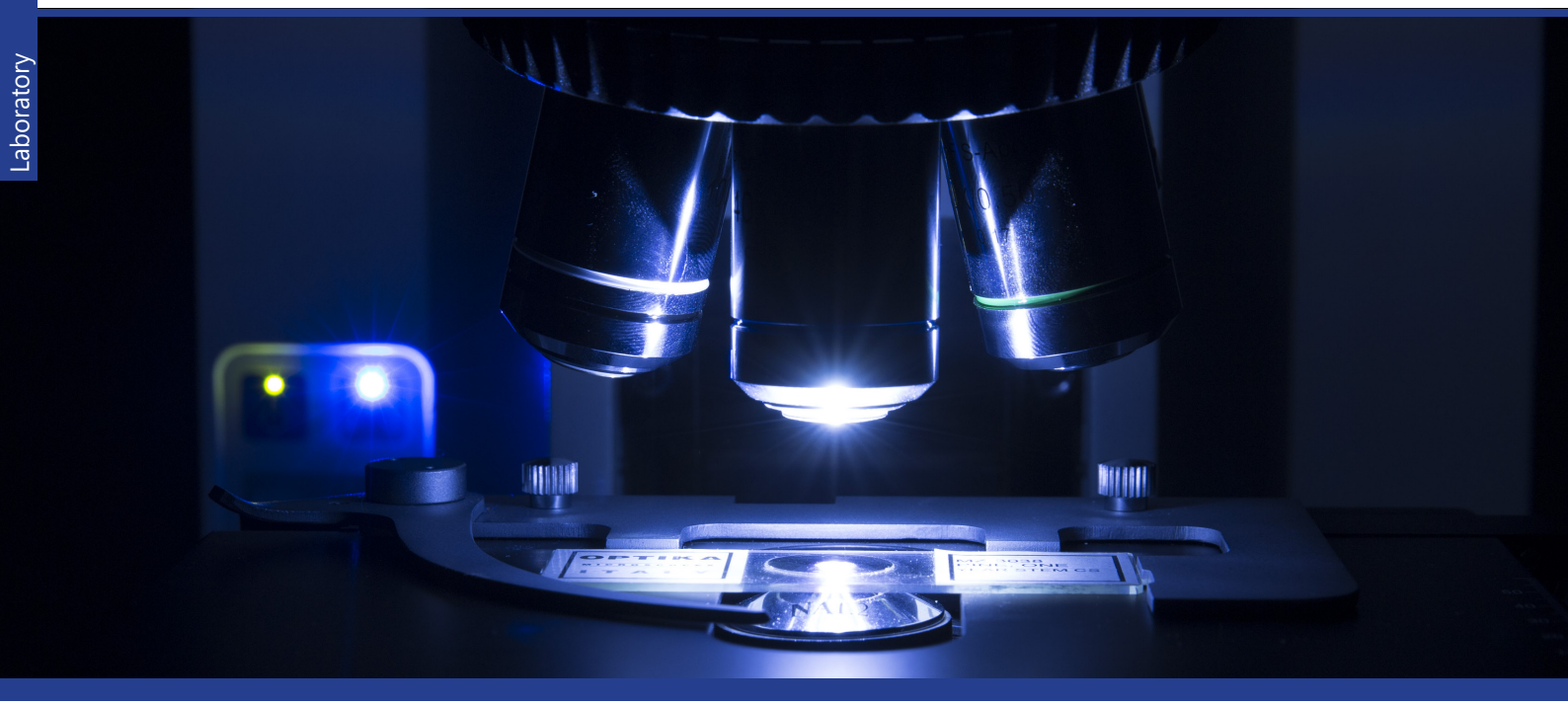


M-1152.N
Phase contrast condenser 10x, 20x, 40x, 100x, BF, DF for B-1000



B-810/B-1000 - Components

Attachments



Fluorescence attachments

M-1031M
4-position LED Fluorescence attachment. Without LED-Filtersets (see B-1000 4FLD page for choice); for B-1000



M-1032
6-position HBO Fluorescence attachment, with standard Blue and Green filtersets (FITC & TRITC). With Aperture & Field Diaphragms; for B-1000.



Polarizing attachments

M-1033
Bertrand lens with analyzer and slot for sliders (with Lambda, 1/4 Lambda and Quartz Edge); for B-1000



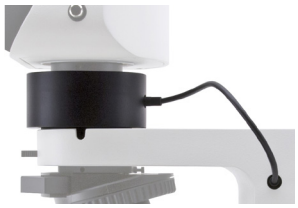
M-1034
8W X-LED incident polarizing attachment. With Aperture & Field Diaphragms; for B-1000



ALC attachments

M-1030
Automatic Light Control (ALC) system for B-1000





Attachments



Metallurgical attachments

M-1039
Metallurgical attachment for incident brightfield observation, 18 W LED.
Equipped with Polarizer and rotating Analyzer.
With Aperture & Field Diaphragms.
For B-1000.



M-1039MD
Metallurgical attachment for incident brightfield and darkfield observation, 18 W LED.
Equipped with Polarizer and rotating Analyzer; with Aperture & Field Diaphragms.
Built-in MET nosepiece with 6-positions for 26 mm-Darkfield Metallurgical Objectives.
3 ring adapters for RMS objectives included.
For B-1000.



B-810/B-1000 - Components

Discussion Bridges for B-1000



M-1163



M-1159



M-1160



M-1161



M-1162

M-1159
Discussion Bridge with 1 extra head.
Face-to-Face type

M-1160
Discussion Bridge with 1 extra head.
Side-by-Side type

M-1161
Discussion Bridge with 2 extra heads

M-1162
Discussion Bridge with 4 extra heads

M-1163
Discussion Bridge with 9 extra heads

All Discussion Bridges are equipped with extra heads with WF10x/20mm eyepieces

Application Sets

Koehler DIC transmitted

M-550 - Interferential green filter IF550.
M-190P - Polarizer for transmitted light.
M-1201 - Analyzer for transmitted light.
M-1202 - DIC prism for transmitted light.



Usable objective series: **IOS W-PLAN F, IOS U-PLAN F**. (See page 164)

Transmitted Koehler DIC combined with Fluo HBO

M-550 - Interferential green filter IF550.
M-190P - Polarizer for transmitted light.
M-1203 - Analyzer for reflected light.
M-1202 - DIC prism for transmitted light.



Usable objective series: **IOS W-PLAN F, IOS U-PLAN F**. (See page 164)

Nomarski DIC transmitted

M-1157 - 8-Position universal condenser.
M-1206 - Top lens 0.9 N.A.
M-1208 - DIC 10x prism for universal condenser.
M-1209 - DIC 20x prism for universal condenser.
M-1210 - DIC 40x/60x prism for universal condenser.
M-1201 - Analyzer for transmitted light.
M-1202 - DIC prism for transmitted light.



Usable objective series: **IOS U-PLAN F, IOS U-PLAN APO, IOS U-PLAN F PH**. (See page 162)

Transmitted Nomarski DIC combined with Fluo HBO

M-1157 - 8-Position universal condenser.
M-1206 - Top lens 0.9 N.A.
M-1208 - DIC 10x prism for universal condenser.
M-1209 - DIC 20x prism for universal condenser.
M-1210 - DIC 40x/60x prism for universal condenser.
M-1203 - Analyzer for reflected light.
M-1202 - DIC prism for transmitted light.



Usable objective series: **IOS U-PLAN F, IOS U-PLAN APO, IOS U-PLAN F PH**. (See page 162)

Nomarski DIC reflected for metallurgical appl.

M-870 - DIC prism for metallurgical reflected light.



Usable objective series: **IOS LWD U-PLAN F MET** Series
IOS LWD U-PLAN F MET BD Series. (See page 162)

GOUT analysis kit

M-1037 - GOUT analysis kit



B-810 - Brightfield & Phase Contrast Microscope

B-810 is the result of the long experience gathered by OPTIKA Microscopes in the field of light microscopy, offering an extremely valuable product for routine and research laboratory brightfield & phase contrast applications.
Ergonomic design for comfortable long-term use and smooth operation with minimal movements meets the concept of modularity, to offer a the possibility to create a tailored version and match all the personal requirements.
It is qualified as an particularly performing and robust solution, considering the field of view of 22 mm, the state-of-the-art, exclusive ***X-LED³*** lighting source (3.6 W) and the sturdy dye-cast frame for high stability combined with a wide variety of heads, objectives and condensers to get the most out of a microscope.

22

X-LED³

IOS ∞

W-PLAN

PH

DF

IVD AVAILABLE



B-810 - Configuration Chart

Build the microscope that suites your needs by choosing among the components

M-781
PL10x/22 eyepiece, high eyepoint, with micrometric scale (10mm/100um) & rubber cup (retractable)



M-1001
PL10x/22 eyepieces (pair), high eyepoint, with rubber cup (retractable)



M-1003
PL15x/16 eyepieces (pair), high eyepoint



M-1004.N
Centering telescope



AA-01
12.5x/18 eyepieces (pair), high eyepoint, with dioptric adjustment, one with W&B reticle for Asbestos



M-1188
Trinocular head, single position (50/50)



M-1010
Trinocular head, two positions (100/0, 50/50)



M-1012
Binocular ERGO head



M-1013
Trinocular ERGO head, two positions (100/0, 50/50)



M-1187
Main body with focus system and X-LED³ illumination



M-1040
Quintuple reversed nosepiece, for RMS objectives



M-1041
Sextuple reversed nosepiece, for RMS objectives



IOS W-PLAN



M-1125 4x
M-1126 10x
M-1127 20x
M-1128 40x
M-1129 60x
M-1130 100x

IOS W-PLAN F



M-1060 4x
M-1061 10x
M-1062 20x
M-1063 40x
M-1064 100x

IOS W-PLAN PH



M-1120.N 10x
M-1121.N 20x
M-1122.N 40x
M-1123.N 100x

M-1190
Rackless mechanical stage



M-1190H
Heating stage, with digital temperature controller



M-1189
0.90 N.A. swing-out condenser



M-1191
1.2 N.A. swing-out condenser



M-1124.NO
Phase contrast condenser with insert slide 10x-40x



M-1152.NO
Phase contrast condenser 10x, 20x, 40x, 100x, BF, DF



M-185
Darkfield condenser for dry objectives



M-977
Green filter, 45 mm diameter



B-1000BF - Brightfield Microscope

The modular OPTIKA B-1000 helps you working in a comfortable way during extended periods of use and let you perform reliable, accurate and rapid diagnosis benefiting from modularity, which gives the chance to create customized configurations tailored on customer needs.
Versatile, robust, durable and sturdy, B-1000 offers premium quality optics (including Semi-Apo objectives), the state-of-the-art, exclusive ***X-LED⁸*** (8 W) illumination system, designed by OPTIKA and the Koehler diaphragm. B-1000 gives multiple options as manual or motorized configuration, with the possibility of ***ALC*** (Automatic Light Control) and a variety of objectives, stages and condensers.



B-1000BF - Configuration Chart

Build the microscope that suites your needs by choosing among the components

M-781
PL10x/22 eyepiece, high eyepoint, with micrometric scale (10mm/100um) & rubber cup (retractable)



M-1001
PL10x/22 eyepieces (pair), high eyepoint, with rubber cup (retractable)



M-1002
PL10x/24 eyepieces (pair), high eyepoint, with rubber cup (retractable



M-1003
PL15x/16 eyepieces (pair), high eyepoint



M-1011
Trinocular head, three positions (100/0, 50/50, 0/100)



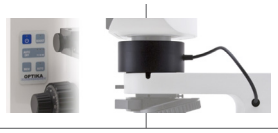
M-1012
Binocular ERGO head



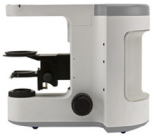
M-1013
Trinocular ERGO head, two positions (100/0, 50/50)



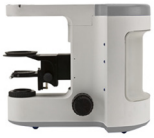
M-1030
Automatic Light Control (ALC) system



M-1021B
Main body with focus system and X-LED[8] illumination, for general purposes



M-1021B+M-1156*+M-1149
Main body with motorized system and X-LED[8] illumination, for general purposes



M-1042
Sextuple reversed nosepiece, for RMS objectives with DIC slot



M-1043+M-1156*
Sextuple motorized reversed nosepiece, for RMS objectives with DIC slot



IOS W-PLAN

W-PLAN ∞

M-1049 2x
M-1125 4x
M-1126 10x
M-1127 20x
M-1128 40x
M-1129 60x
M-1130 100x

IOS W-PLAN F

W-PLAN F ∞

M-1060 4x
M-1061 10x
M-1062 20x
M-1063 40x
M-1064 100x

IOS U-PLAN F

U-PLAN F ∞

M-1075 4x
M-1076 10x
M-1077 20x
M-1078 40x
M-1079 100x

M-1140
Standard mechanical stage



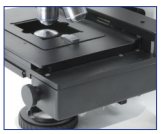
M-1141
Rackless mechanical stage



M-1143
MPC (Mineral Solid Surface) rackless mechanical stage



M-1147+M-1156*
Motorized mechanical stage



M-1144
Heating stage, with digital temperature controller



M-1150
0.90 N.A. swing-out condenser



M-1151
1.2 N.A. swing-out condenser



M-1155
0.9/0.25 N.A. swing-out condenser (to be used with objective M-1049)



M-618
Darkfield condenser for dry objectives



* Code M-1156 must be added only **once** for any motorized configuration

B-1000PH - Phase Contrast Microscope

The modular OPTIKA B-1000 is available in phase contrast and helps you working in a comfortable way during extended periods of use performing reliable, accurate and rapid diagnosis benefiting from modularity, which gives the chance to create customized configurations tailored on customer needs.
Versatile, robust, durable and sturdy, B-1000 offers premium quality optics, the state-of-the-art, exclusive **X-LED^8** (8 W)illumination system, designed by OPTIKA and the Koehler diaphragm. B-1000 gives multiple options as manual or motorized configuration, with the possibility of **ALC** (Automatic Light Control) and a variety of objectives, stages and condensers.



B-1000PH - Configuration Chart

Build the microscope that suites your needs by choosing among the components

M-781
PL10x/22 eyepiece, high eyepoint, with micrometric scale (10mm/100um) & rubber cup (retractable)



M-1001
PL10x/22 eyepieces (pair), high eyepoint, with rubber cup (retractable)



M-1002
PL10x/24 eyepieces (pair), high eyepoint, with rubber cup (retractable)



M-1004.N
Centering telescope



M-1003
PL15x/16 eyepieces (pair), high eyepoint



AA-01
12.5x/18 eyepieces (pair), high eyepoint, with dioptric adjustment, one with W&B reticle for Asbestos



M-1011
Trinocular head, three positions (100/0, 50/50, 0/100)



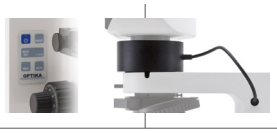
M-1012
Binocular ERGO head



M-1013
Trinocular ERGO head, two positions (100/0, 50/50)



M-1030
Automatic Light Control (ALC) system



M-1021B
Main body with focus system and X-LED⁸ illumination, for general purposes



M-1021B+M-1156*+M-1149
Main body with motorized system and X-LED⁸ illumination, for general purposes



M-1042
Sextuple reversed nosepiece, for RMS objectives with DIC slot



M-1043+M-1156*
Sextuple motorized reversed nosepiece, for RMS objectives with DIC slot



IOS W-PLAN PH



M-1120.N 10x
M-1121.N 20x
M-1122.N 40x
M-1123.N 100x

M-1140
Standard mechanical stage



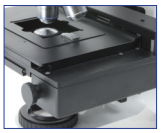
M-1141
Rackless mechanical stage



M-1143
MPC (Mineral Solid Surface) rackless mechanical stage



M-1147+M-1156*
Motorized mechanical stage



M-1144
Heating stage, with digital temperature controller



M-1124
Phase contrast condenser with insert slide 10-40x



M-977
Green filter, 45mm



M-1152.N
Phase contrast condenser 10x, 20x, 40x, 100x, BF, DF



* Code M-1156 must be added only **once** for any motorized configuration

B-1000FL-HBO - HBO Fluorescence Microscope

The modular OPTIKA B-1000 can stand a HBO fluorescence attachment, helping you working in a comfortable way during extended periods of use and performing reliable, accurate and rapid diagnosis benefiting from modularity, which gives the chance to create customized configurations tailored on customer needs. Versatile, robust, durable and sturdy, B-1000 offers premium quality optics (including Semi-Apo objectives), the state-of-the-art, exclusive ***X-LED⁸*** (8 W) illumination system, designed by OPTIKA and the Koehler diaphragm.
B-1000 gives multiple options as manual or motorized configuration, with a variety of objectives, stages and condensers.

Standard filterset

Name	Excitation filter (nm)	Dichroic mirror cut-off (nm)	Emission filter (nm)
B Blue	460 - 490	500	520LP
G Green	510 - 550	570	590LP

Additional filterset (optional)

Name	Excitation filter (nm)	Dichroic mirror cut-off (nm)	Emission filter (nm)
V (Violet)	400 - 410	455	455LP
UV	330 - 385	400	420LP



B-1000FL-HBO - Configuration Chart

Build the microscope that suites your needs by choosing among the components

M-781
PL10x/22 eyepiece, high eyepoint, with micrometric scale (10mm/100um) & rubber cup (retractable)



M-1001
PL10x/22 eyepieces (pair), high eyepoint, with rubber cup (retractable)



M-1003
PL15x/16 eyepieces (pair), high eyepoint



M-1011
Trinocular head, three positions (100/0, 50/50, 0/100)



M-1012
Binocular ERGO head



M-1032
6-position HBO Fluorescence attachment, with standard Blue and Green filtersets (FITC & TRITC)

M-1165
Fluorescence filterset V (filterblock included)



M-1166
Fluorescence filterset UV (filterblock included)





M-1021B
Main body with focus system and X-LED⁸ illumination, for general purposes



M-1021B+M-1156*+M-1149
Main body with motorized system and X-LED⁸ illumination, for general purposes



M-1042
Sextuple reversed nosepiece, for RMS objectives with DIC slot



M-1043+M-1156*
Sextuple motorized reversed nosepiece, for RMS objectives with DIC slot



IOS W-PLAN F



M-1060 4x
M-1061 10x
M-1062 20x
M-1063 40x
M-1064 100x

IOS U-PLAN F



M-1075 4x
M-1076 10x
M-1077 20x
M-1078 40x
M-1079 100x

M-1140
Standard mechanical stage



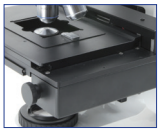
M-1141
Rackless mechanical stage



M-1143
MPC (Mineral Solid Surface) rackless mechanical stage



M-1147+M-1156*
Motorized mechanical stage



M-1144
Heating stage, with digital temperature controller



M-1150
0.90 N.A. swing-out condenser



M-1151
1.2 N.A. swing-out condenser



M-618
Darkfield condenser for dry objectives



* Code M-1156 must be added only **once** for any motorized configuration

B-1000LD4 - LED Fluorescence Microscope

The modular OPTIKA B-1000 can stand a LED fluorescence attachment, helping you working in a comfortable way during extended periods of use and performing reliable, accurate and rapid diagnosis benefiting from modularity, which gives the chance to create customized configurations tailored on customer needs. Versatile, robust, durable and sturdy, B-1000 offers premium quality optics (including Apo and Semi-Apo objectives), the state-of-the-art, exclusive ***X-LED*** (8 W) illumination system, designed by OPTIKA and the Koehler diaphragm.
B-1000 gives multiple options as manual or motorized configuration, with a variety of objectives, stages and condensers.



A new milestone achieved in Fluorescence Microscopy

- » Full-modular Fluorescence System
- » Interchangeable LED-Filtersets
- » 4 LED-Filtersets slots
- » 10% higher light intensity than HBO
- » 35% higher light intensity than Metal-Halide
- » Adjustable light intensity
- » The selection of filtersets automatically involves the switching on of the corresponding LEDs
- » Recommended for research applications
- » Cost-effective, money saving technology
- » Ready for immediate operation
- » Eliminate warm-up/cool-down times
- » Forget lamp replacement & centering

LED Fluorescence Cubes available (LED + Filterset)

Name	LED emission (nm)	Excitation filter (nm)	Dichroic mirror cut-off (nm)	Emission filter (nm)
M-1220 - Blue	460	455 - 495	500	510LP
M-1220.1 - Blue (pass band)	460	455 - 495	500	518-542
M-1221 - Green	523	510 - 550	570	575LP
M-1221.1 - Green (pass band)	523	510 - 550	570	585-625
M-1222 - Violet	405	390 - 420	440	450LP
M-1223 - UV	365	325 - 375	415	435LP
M-1223.1 - UV (pass band)	365	340 - 390	405	420-470
M-1224 - Red 1 *	623	590 - 650	660	665LP
M-1225 - Red 2 *	623	595 - 645	655	665 - 715
M-1226 - Deep Red *	660	623 - 678	685	690 - 750
M-1227 - Far Red *	740	720 - 760	770	780LP
M-1228 - Amber	590	582 - 603	610	615 - 645

** If the use of a camera is needed, when used for red emission fluorescence wavelengths above 650nm, please order it by specifying with "AR GLASS"*

B-1000LD4 - Configuration Chart

Build the microscope that suites your needs by choosing among the components

M-781
PL10x/22 eyepiece, high eyepoint, with micrometric scale (10mm/100um) & rubber cup (retractable)



M-1001
PL10x/22 eyepieces (pair), high eyepoint, with rubber cup (retractable)



M-1003
PL15x/16 eyepieces (pair), high eyepoint



M-1011
Trinocular head, three positions (100/0, 50/50, 0/100)



M-1012
Binocular ERGO head



M-1031M
4-position LED Fluorescence attachment, without LED Fluorescence Filtersets



M-1220 ... M-1228
LED Fluorescence Cubes (LED + Filterset)

M-1021B
Main body with focus system and X-LED[8] illumination, for general purposes



M-1021B+M-1156*+M-1149
Main body with motorized system and X-LED[8] illumination, for general purposes



M-1042
Sextuple reversed nosepiece, for RMS objectives with DIC slot



M-1043+M-1156*
Sextuple motorized reversed nosepiece, for RMS objectives with DIC slot



IOS W-PLAN



M-1049 2x
M-1125 4x
M-1126 10x
M-1127 20x
M-1128 40x
M-1129 60x
M-1130 100x

IOS W-PLAN F



M-1060 4x
M-1061 10x
M-1062 20x
M-1063 40x
M-1064 100x

IOS U-PLAN F



M-1075 4x
M-1076 10x
M-1077 20x
M-1078 40x
M-1079 100x

M-1140
Standard mechanical stage



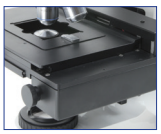
M-1141
Rackless mechanical stage



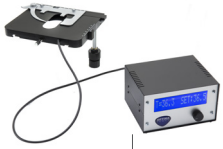
M-1143
MPC (Mineral Solid Surface) rackless mechanical stage



M-1147+M-1156*
Motorized mechanical stage



M-1144
Heating stage, with digital temperature controller



M-1150
0.90 N.A. swing-out condenser



M-1151
1.2 N.A. swing-out condenser



M-1155
0.9/0.25 N.A. swing-out condenser (to be used with objective M-1049)



M-618
Darkfield condenser for dry objectives



* Code M-1156 must be added only **once** for any motorized configuration

B-1000POL - Polarizing Microscope

The modular OPTIKA B-1000 is available with transmitted polarized light, helping you working in a comfortable way during extended periods of use and performing reliable, accurate and rapid diagnosis benefiting from modularity, which gives the chance to create customized configurations tailored on customer needs. Versatile, robust, durable and sturdy, B-1000 offers premium quality optics, the state-of-the-art, exclusive ***X-LED⁸*** (8 W) illumination system, designed by OPTIKA and the Koehler diaphragm.
B-1000 gives multiple options as manual or motorized configuration.



Dedicated version for transmitted (***X-LED⁸***, 8 W) illumination and polarization analysis.

B-1000POL - Configuration Chart

Build the microscope that suites your needs by choosing among the components

M-781
PL10x/22 eyepiece, high eyepoint, with micrometric scale (10mm/100um) & rubber cup (retractable)



M-1001
PL10x/22 eyepieces (pair), high eyepoint, with rubber cup (retractable)



M-1002
PL10x/24 eyepieces (pair), high eyepoint, with rubber cup (retractable



M-1011
Trinocular head, three positions (100/0, 50/50, 0/100)



M-1012
Binocular ERGO head



M-1033
Bertrand lens with analyzer and slot for sliders (with Lambda, 1/4 Lambda and Quartz Edge)



M-1021B
Main body with focus system and X-LED[8] illumination, for general purposes



M-1021B+M-1156*+M-1149
Main body with motorized system and X-LED[8] illumination, for general purposes



M-1044
Quintuple reversed nosepiece, with centrable positions for POL objectives



IOS U-PLAN POL



M-1080	4x
M-1081	10x
M-1081.5	20x
M-1082	40x
M-1083	60x

M-1145+M-1146
Rotating Stage, centrable + attachable XY stage



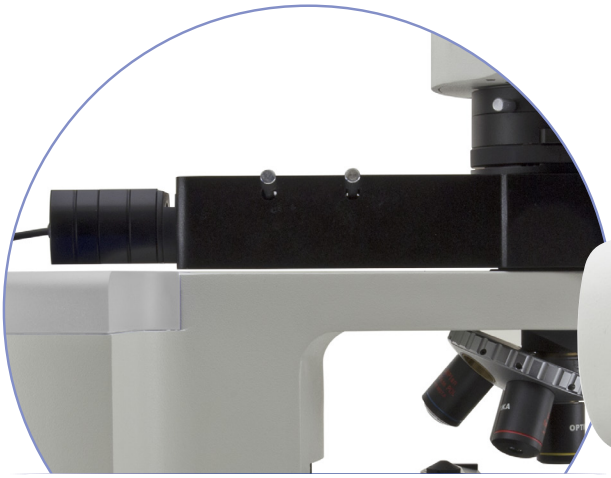
M-1153
0.90 N.A. swing-out POL condenser



* Code M-1156 must be added only **once** for any motorized configuration

B-1000POL-I - Polarizing Microscope

The modular OPTIKA B-1000 is available with transmitted and incident polarized light, helping you working in a comfortable way during extended periods of use and performing reliable, accurate and rapid diagnosis benefiting from modularity, which gives the chance to create customized configurations tailored on customer needs. Versatile, robust, durable and sturdy, B-1000 offers premium quality optics, the state-of-the-art, exclusive ***X-LED^8*** (8 W) illumination system, designed by OPTIKA and the Koehler diaphragm.
B-1000 gives multiple options as manual or motorized configuration.



Dedicated version for transmitted and incident illumination (***X-LED^8***, 8 W)

B-1000POL-I - Configuration Chart

Build the microscope that suites your needs by choosing among the components

M-781
PL10x/22 eyepiece, high eyepoint, with micrometric scale (10mm/100um) & rubber cup (retractable)



M-1001
PL10x/22 eyepieces (pair), high eyepoint, with rubber cup (retractable)



M-1011
Trinocular head, three positions (100/0, 50/50, 0/100)



M-1012
Binocular ERGO head



M-1033
Bertrand lens with analyzer and slot for sliders (with Lambda, 1/4 Lambda and Quartz Edge)



M-1034
Incident polarizing attachment



M-1021B
Main body with focus system and X-LED⁸ illumination, for general purposes



M-1021B+M-1156*+M-1149
Main body with motorized system and X-LED⁸ illumination, for general purposes



M-1044
Quintuple reversed nosepiece, with centrable positions for POL objectives



IOS LWD U-PLAN POL



M-1090 5x
M-1091 10x
M-1092 20x
M-1093 50x

M-1145+M-1146
Rotating Stage, centrable + attachable XY stage



M-1153
0.90 N.A. swing-out POL condenser



* Code M-1156 must be added only **once** for any motorized configuration

B-1000METBF - Brightfield Metallurgical Microscope

The modular OPTIKA B-1000METBF offers superior quality **brightfield incident light**, helping you working in a comfortable way during extended periods of use and performing reliable, accurate and rapid diagnosis benefiting from modularity, which gives the chance to create customized configurations tailored on customer needs. Versatile, robust, durable and sturdy, B-1000 offers premium quality optics, the state-of-the-art, exclusive ***X-LED⁸*** (8 W) transmitted illumination (Koehler system). The incident light relies on an incredibly bright 18 W LED illumination, designed by OPTIKA.
B-1000 gives multiple options as manual or motorized configuration.



B-1000METBF - Configuration Chart

Build the microscope that suites your needs by choosing among the components

M-781
PL10x/22 eyepiece, high eyepoint, with micrometric scale (10mm/100um) & rubber cup (retractable)



M-1001
PL10x/22 eyepieces (pair), high eyepoint, with rubber cup (retractable)



M-1003
PL15x/16 eyepieces (pair), high eyepoint



M-1011
Trinocular head, three positions (100/0, 50/50, 0/100)



M-1012
Binocular ERGO head



M-1039
Metallurgical attachment, 18 W LED



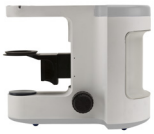
M-1021M
Main body with focus system and X-LED^8 illumination, for metallurgical model



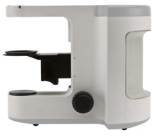
M-1021M+M-1156*+M-1149
Main body with motorized focus system and X-LED^8 illumination, for metallurgical model



M-1022M
Main body with focus system, for metallurgical model with incident light only



M-1022M+M-1156*+M-1149
Main body with motorized focus system, for metallurgical model with incident light only



M-1042
Sextuple reversed nosepiece, for RMS objectives with DIC slot



M-1043+M-1156*
Sextuple motorized reversed nosepiece, for RMS objectives with DIC slot



IOS LWD W-PLAN MET



M-1099 2.5x

IOS LWD U-PLAN MET



M-1100 5x
M-1101 10x
M-1102 20x
M-1103 50x
M-1104 100x

IOS LWD U-PLAN F MET

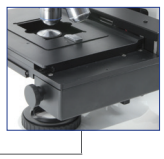


M-1171 5x
M-1172 10x
M-1173 20x
M-1174 50x
M-1175 100x

M-1148
Mechanical stage with glass, for metallurgical model



M-1147+M-1156*
Motorized mechanical stage



M-1154
0.70 N.A. swing-out MET condenser



* Code M-1156 must be added only **once** for any motorized configuration

B-1000METDK - Darkfield Metallurgical Microscope

The modular OPTIKA B-1000METDK offers superior quality **brightfield and darkfield incident light**, helping you working in a comfortable way during extended periods of use and performing reliable, accurate and rapid diagnosis benefiting from modularity, which gives the chance to create customized configurations tailored on customer needs. Versatile, robust, durable and sturdy, B-1000 offers premium quality optics, the state-of-the-art, exclusive ***X-LED⁸*** (8 W) transmitted illumination (Koehler system). The incident light relies on an incredibly bright 18 W LED illumination, designed by OPTIKA.
B-1000 gives multiple options as manual or motorized configuration.



B-1000METDK - Configuration Chart

Build the microscope that suites your needs by choosing among the components

M-781
PL10x/22 eyepiece, high eyepoint, with micrometric scale (10mm/100um) & rubber cup (retractable)



M-1001
PL10x/22 eyepieces (pair), high eyepoint, with rubber cup (retractable)



M-1003
PL15x/16 eyepieces (pair), high eyepoint



M-1011
Trinocular head, three positions (100/0, 50/50, 0/100)



M-1012
Binocular ERGO head



M-1039MD
Metallurgical attachment 18 W LED (Built-in MET nosepiece with 6-positions)



M-1021MD
Main body with focus system and X-LED8 illumination, for brightfield/darkfield metallurgical B-1000



M-1021MD+M-1156*+M-1149
Main body with motorized focus system and X-LED8 illumination, for brightfield/darkfield metallurgical B-1000



M-1022MD
Main body with focus system (incident light only), for brightfield/darkfield metallurgical B-1000



M-1022MD+M-1156*+M-1149
Main body with motorized focus system (incident light only), for brightfield/darkfield metallurgical B-1000



IOS LWD W-PLAN MET

LWD W-PLAN MET ∞ — **M-1099** 2.5x

IOS LWD U-PLAN MET

LWD U-PLAN MET ∞

- **M-1100** 5x
- **M-1101** 10x
- **M-1102** 20x
- **M-1103** 50x
- **M-1104** 100x

IOS LWD U-PLAN F MET

LWD U-PLAN F MET ∞

- **M-1171** 5x
- **M-1172** 10x
- **M-1173** 20x
- **M-1174** 50x
- **M-1175** 100x

IOS LWD U-PLAN MET BD

LWD U-PLAN MET BD ∞

- **M-1094** 5x
- **M-1095** 10x
- **M-1096** 20x
- **M-1097** 50x
- **M-1098** 100x

IOS LWD U-PLAN F MET BD

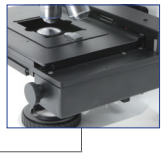
LWD U-PLAN F MET BD ∞

- **M-1180** 5x
- **M-1181** 10x
- **M-1182** 20x
- **M-1183** 50x
- **M-1184** 100x

M-1148
Mechanical stage with glass, for metallurgical model



M-1147+M-1156*
Motorized mechanical stage



M-1154
0.70 N.A. swing-out MET condenser



* Code M-1156 must be added only **once** for any motorized configuration

B-1000 Multi-Head - Discussion Microscopes

The modular OPTIKA B-1000 helps you working in a comfortable way during extended periods of use and let you perform reliable, accurate and rapid diagnosis benefiting from modularity, which gives the chance to create customized configurations tailored on customer needs.
Versatile, robust, durable and sturdy, B-1000 offers premium quality optics (including Semi-Apo objectives), the state-of-the-art, exclusive ***X-LED*** illumination system, designed by OPTIKA and the Koehler diaphragm. B-1000 gives multiple options as manual or motorized configuration, with a variety of objectives, stages and condensers. Ideal for discussion groups and teaching purpose for multiple observers, up to ten users simultaneously.
A three-color LED pointer facilitates the indication and identification of the object observed (except the model B-1000Ti-10).





B-1000Ti-2 - multi-head microscope for 2 users
B-1000Ti-3 - multi-head microscope for 3 users
B-1000Ti-5 - multi-head microscope for 5 users
B-1000Ti-10 - multi-head microscope for 10 users





B-1000 Multi-Head - Configuration Chart

Build the microscope that suites your needs by choosing among the components

M-781
PL10x/22 eyepiece, high eyepoint, with micrometric scale (10mm/100um) & rubber cup (retractable)



M-1001
PL10x/22 eyepieces (pair), high eyepoint, with rubber cup (retractable)



M-1003
PL15x/16 eyepieces (pair), high eyepoint



M-1011
Trinocular head, three positions (100/0, 50/50, 0/100)



M-1012
Binocular ERGO head





M-1159 - Multi-head attachment, 1 extra head (face-to-face)
M-1160 - Multi-head attachment, 1 extra head
M-1161 - Multi-head attachment, 2 extra head
M-1162 - Multi-head attachment, 4 extra head
M-1163 - Multi-head attachment, 9 extra head

M-1021B
Main body with focus system and X-LED⁸ illumination, for general purposes



M-1021B+M-1156*+M-1149
Main body with motorized system and X-LED⁸ illumination, for general purposes



M-1042
Sextuple reversed nosepiece, for RMS objectives with DIC slot



M-1043+M-1156*
Sextuple motorized reversed nosepiece, for RMS objectives with DIC slot



IOS W-PLAN PH

W-PLAN PH ∞

M-1120.N 10x
M-1121.N 20x
M-1122.N 40x
M-1123.N 100x

IOS W-PLAN

W-PLAN ∞

M-1049 2x
M-1125 4x
M-1126 10x
M-1127 20x
M-1128 40x
M-1129 60x
M-1130 100x

IOS W-PLAN F

W-PLAN F ∞

M-1060 4x
M-1061 10x
M-1062 20x
M-1063 40x
M-1064 100x

IOS U-PLAN F

U-PLAN F ∞

M-1075 4x
M-1076 10x
M-1077 20x
M-1078 40x
M-1079 100x

M-1140
Standard mechanical stage



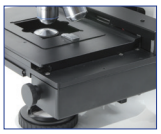
M-1141
Rackless mechanical stage



M-1143
MPC (Mineral Solid Surface) rackless mechanical stage



M-1147+M-1156*
Motorized mechanical stage



M-1144
Heating stage, with digital temperature controller



M-1150
0.90 N.A. swing-out condenser



M-1152.N
Phase contrast condenser 10x, 20x, 40x, 100x, BF, DF



M-1124
Phase contrast condenser with insert slide 10x-40x



M-977
Green filter, 45mm



M-1151
1.2 N.A. swing-out condenser



M-1155
0.9/0.25 N.A. swing-out condenser (to be used with objective M-1049)



M-618
Darkfield condenser for dry objectives



* Code M-1156 must be added only **once** for any motorized configuration

B-810/B-1000 - Accessories

Eyecups & Eyepieces

M-690 Eyecups (pair)

Condensers & Filters

M-613 Polarizing set (filters only) (except for B-1000FL-LED, B-1000MET, B-1000POL, and B-1000POL-I)
M-615 Lambda filter for polarizing set (except for B-1000FL-LED, B-1000MET, B-1000POL, and B-1000POL-I)
M-617.1NO Phase contrast set with IOS W-PLAN objective 40x (only for B-810)
M-617.1N Phase contrast set with IOS W-PLAN objective 40x (only for B-1000)
M-975 Blue filter, 45mm diameter (except for B-1000MET)
M-977 Green filter, 45mm diameter (except for B-1000MET)
M-979 Yellow filter, 45mm diameter (except for B-1000MET)
M-989 Frosted glass filter, 45mm diameter (except for B-1000MET)
M-1164 Empty fluorescence filterblock (only for B-1000FL-HBO)
M-1165 Fluorescence filter set V (filterblock included) (only for B-1000FL-HBO)
M-1166 Fluorescence filter set UV-DAPI (filterblock included) (only for B-1000FL-HBO)
M-1220 Blue LED Fluorescence Cube (LED+Filterset), (only for B-1000LD4)
M-1220.1 Blue (pass band) LED Fluorescence Cube (LED+Filterset), (only for B-1000LD4)
M-1221 Green LED Fluorescence Cube (LED+Filterset), (only for B-1000LD4)
M-1221.1 Green (pass band) LED Fluorescence Cube (LED+Filterset), (only for B-1000LD4)
M-1222 Violet LED Fluorescence Cube (LED+Filterset), (only for B-1000LD4)
M-1223 UV LED Fluorescence Cube (LED+Filterset), (only for B-1000LD4)
M-1223.1 UV (pass band) LED Fluorescence Cube (LED+Filterset), (only for B-1000LD4)
M-1224 Red 1 LED Fluorescence Cube (LED+Filterset), (only for B-1000LD4) *
M-1225 Red 2 LED Fluorescence Cube (LED+Filterset), (only for B-1000LD4) *
M-1226 Deep Red LED Fluorescence Cube (LED+Filterset), (only for B-1000LD4) *
M-1227 Far Red LED Fluorescence Cube (LED+Filterset), (only for B-1000LD4) *
M-1228 Amber LED Fluorescence Cube (LED+Filterset), (only for B-1000LD4)
M-ND25 Neutral density filter, 25% transmission (only for B-1000FL-HBO)

15104 - Cleaning kit
It cleans glass quickly and effectively,
without leaving residue or odor.
Ideal for precision lens or prism cleaning.



Camera Adapters

M-113.1 Ring adapter, 30mm (for monocular and binocular microscopes)
M-115 0.35x C-Mount projection lens
M-114 0.5x C-Mount projection lens
M-118 0.75x C-Mount projection lens
M-173 C-Mount projection lens for APS-C/full frame reflex cameras (trino)
M-620 0.35x focusable C-Mount adapter (biological microscopes)
M-620.1 0.5x focusable C-Mount adapter (biological microscopes)
M-620.2 0.65x focusable C-Mount adapter (biological microscopes)
M-620.3 1x focusable C-Mount adapter (biological & stereomicroscopes)
M-699 Universal adapter for C-Mount projection lens (trino)

Miscellaneous

15008 Immersion oil, 10ml
15009 Immersion oil, 100ml
15104 Cleaning kit
AA-02 HSE-NPL Mark II phase contrast test slide, with certification (only for B-810 & B-1000PH)
DC-005 TNT dust cover, extra large, 820(l)x550(h) mm
M-005 Micrometric slide, 26x76mm, with 2 scales (1mm/100 & 10mm/100)
M-151 HBO 100W high-pressure mercury bulb for fluorescence
M-151.1 HBO 100W high-pressure mercury bulb for fluorescence (OSRAM)
VP-1000 IQ/OQ/PQ manual for B-1000 series (Brightfield)
VP-1000MET IQ/OQ/PQ manual for B-1000 series (Metallographic)
VP-1000POL IQ/OQ/PQ manual for B-1000 series (Polarizing)
VP-810 IQ/OQ/PQ manual for B-810 series
VP-1000PH IQ/OQ/PQ manual for B-1000 series (Phase Contrast)
VP-1000FL IQ/OQ/PQ manual for B-1000 series (Fluorescence)
AB-030 Antibacterial surface treatment, only for newly purchased microscope

How to connect the cameras to our microscopes.
Please refer to the Adapter reference list on Digital section.

** If the use of a camera is needed, when used for red emission fluorescence wavelengths above 650nm, please order it by specifying with "AR GLASS"*

v 6.6.0 - OPTIKA reserves the right to make corrections, modifications, enhancements, improvements and other changes to its products at any time without notice.

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