



If you love
microscopes!



Microscopes





MICROS company has been founded in February 1994 and is mainly producing and supplying microscopes and microtomes for use in medical - technical laboratories, but also for applications in biological and industrial fields. New ergonomic design and new optics for different applications make our product range so successful.

Our flexibility allows us to focus on an extraordinary customer service and to adjust to special inquiries and demands.

It is an indisputable fact that quality is of prime importance for success, especially in view of europe-wide competition and progressive globalization.

The ISO 9001 certification of management systems based on international standards, which MICROS obtained in 2004, plays a major role to qualify our company as a potential supplier to our customers.

PINK



LED

PINK MC50

Biological Microscope for Routine Laboratory Applications

OPTICS

Objectives: ACHRO 4x/0.10, 10x/0.25, 40x/0.65 spring loaded and 100x/1.25 oil, spring loaded; **Condenser:** Abbé brightfield condenser n.A. 1.25, **Eyepieces:** WF 10x/18 widefield

MECHANICS

Body: Sturdy base, 270 x 250 mm; **Head:** Binocular Siedentopf head, 30° inclined, 360° rotatable; **Nosepiece:** Quadruple ball bearing nose-piece; **Stage:** Double layer mechanical stage; **Illumination:** 6V 20W, adjustable for 110/220V

OPTIONS

LED illumination, eyepieces securely lockable, aluminium case



POPPY



LED

POPPY MC50BAT

Cordless Biological Microscope for Outdoor Use

Same specifications as Pink MC50 but:

ILLUMINATION

LED lamp powered by Lithium battery or by DC9V power supply. Estimated battery durability is over 8 hours at continuous operation. Recharge time: 5 - 6 hours. The microscope can be used while battery is being recharged. Battery is intended for 400 charges for about 20.000 hours total.

Compared to the classical halogen illumination the LED light has several advantages: Unlike halogen bulbs, the LED diodes do not emit heat and thus the housing and the specimen are not exposed to higher temperatures even after several working hours. Because of their robustness LEDs are less susceptible to damage during transport and use. They have a longer life time and a smaller energy consumption. Using a lower voltage they offer more security in handling."



PETUNIA



LED

PETUNIA MCX50

Reliable Biological Allrounder for
Routine Laboratory and Educational Use

OPTICS

Objectives: ICO Plan Infnitive 4x/0.10, 10x/0.25, 40x/0.65, spring loaded, 100x/1.25, Oil, spring loaded; **Condenser:** Abbé brightfield condenser n.A. 1.25; **Eyepieces:** WF 10x/18

MECHANICS

Body: Sturdy base, 270 x 250 mm; **Head:** Binocular Siedentopf head, 30° inclined, 360° rotatable; **Nosepiece:** Quadruple ball bearing nosepiece, **Stage:** Double layer mechanical stage; **Illumination:** 6V 20W, adjustable for 110/220V

OPTIONS

LED illumination, different eyepieces, eyepieces securely lockable, darkfield filter (central stop), aluminium case

DAFFODIL



LED glass stage

DAFFODIL MCX100

Advanced Biological Microscope for Routine Laboratory Applications

OPTICS

Objectives: ICO Plan Infinitive 4x/0.10, 10x/0.25, 40x/0.65 spring loaded and 100x/1.25 oil, spring loaded; **Condenser:** Abbé brightfield condenser n.A. 1.25; **Eyepieces:** EW 10x/20 widefield

MECHANICS

Body: Sturdy base, 300 x 270 mm; **Head:** Binocular/Trinocular Siedentopf head, 30° inclined, 360° rotatable; **Nosepiece:** Quadruple, reverse-angle mechanism; **Stage:** Double layer mechanical stage with innovative glass plate; **Illumination:** Koehler illumination, 6V 20W, adjustable for 110/220V

OPTIONS

LED illumination, different eyepieces, photo/video, phase contrast, darkfield attachment. Eyepieces securely lockable, aluminium case





Crocus II MCX100LCD

Computerized Realtime Digital Microscope for Teaching Purpose

Optical specification of microscope same as „Daffodil“ MCX100

LCD SCREEN

- Real time live camera
- 8.4 inch TFT LCD screen (Touch Screen function)
- Resolution 800 x 600
- 2 Megapixel CMOS camera, real time camera USB 2.0
- SD interface, AV /VGA connection
- Image capture function
- Real time operating system WIN CE 5.0
- W-LAN and LAN function
- Video recording for MPEG-4
- MIC audio input, digital voice recording function
- Support audio output
- Keyboard and mouse input support
- Measuring function



ROSE



LED glass stage

ROSE MC300

Biological Standard Microscope of the Flower Series MC300

OPTICS

Objectives: S PLAN 4x/0.10, 10x/0.25, 40x/0.65 spring loaded and 100x/1.25 oil, spring loaded; **Condenser:** Abbé brightfield condenser n.A. 1.25; **Eyepieces:** WF 10x/18 widefield

MECHANICS

Body: Sturdy high-tech cast aluminium base, 300 x 295 mm; **Head:** Binocular/Trinocular Siedentopf head, 30° inclined, 360° rotatable
Nosepiece: Quintuple, reverse-angle mechanism; **Stage:** Double layer mechanical stage with innovative glass plate; **Illumination:** Koehler Illumination, 6V 20W, adjustable for 110/220V

OPTIONS

LED illumination, different eyepieces, phase contrast, darkfield attachment, fluorescence, polarization, photo/video, aluminium case



ORCHID



LED glass stage

ORCHID MCX300

Biological Microscope for Sophisticated Laboratory Use

OPTICS

Objectives: ICO PLAN Infinitive 4x/0.10, 10x/0.25, 40x/0.65 spring loaded and 100x/1.25 oil, spring loaded; **Condenser:** Abbé brightfield condenser n.A. 1.25; **Eyepieces:** EWF 10x/20 extra widefield

MECHANICS

Body: Sturdy high-tech cast aluminium base, 300 x 295 mm; **Head:** Binocular/Trinocular Siedentopf head, 30° inclined, 360° rotatable
Nosepiece: Quintuple, reverse-angle mechanism; **Stage:** Double layer mechanical stage with innovative glass plate; **Illumination:** Koehler illumination, 6V 30W, adjustable for 110/220V

OPTIONS

LED illumination, different eyepieces, phase contrast, darkfield attachment, fluorescence, polarization, photo/video. Observation set for up to 3 people, aluminium case



EDELWEISS MCP300

Polarization Microscope for Multiple Applications from Education to Research

OPTICS

Objectives: ACHRO 4x/0.10, 10x/0.25, 40x/0.65 spring loaded and 60x/0.80 spring loaded, **Condenser:** Abbé brightfield condenser n.A. 1.25, **Eyepieces:** WF 10x/18 widefield, one pc. with cross hair Polarizer, Analyzer, Bertrand lens, first order compensation red plate, 1/4 wavelength testplate, quartz wedge

MECHANICS

Body: Sturdy high-tech cast aluminium base, 300 x 295 mm; **Head:** Binocular/Trinocular Siedentopf head, 30° inclined, 360° rotatable **Nosepiece:** Quintuple, reverse-angle mechanism; **Stage:** Round stage, Ø 145 mm; **Illumination:** Optical light collector system, 6V 20W, adjustable for 110/220V

OPTIONS

Different eyepieces, photo/video, aluminium case



LILY



glass flash stage glass stage

LILY MCX500

Laboratory Microscope for Professional Research

OPTICS

Objectives: ICO PLAN Infnitive 4x/0.10, 10x/0.25, 40x/0.65 spring loaded and 100/1.25 oil, spring loaded; **Condenser:** Abbé brightfield swing-out condenser, n.A. 0.9/1.25; **Eyepieces:** EW 10x/22 extra widefield, high-eyepoint

MECHANICS

Body: Sturdy high-tech cast aluminium base, 380,5 x 295 mm; **Head:** Binocular ERGO head, inclination from 5° to 35°; **Nosepiece:** 6-tuple, reverse-angel mechanism; **Stage:** Double layer specimen stage, 243 x 158 mm with exchangeable, ultra-hardened, flexible glass plate; **Illumination:** Koehler illumination, 12V 50W, adjustable for 110/220 V

OPTIONS

100W halogen light source, illumination kit for glass stage, Photo/Video port, phase contrast, darkfield, fluorescence and polarization, observation set for up to 5 people, aluminium case

SUNDEW



SUNDEW MCXI600

Inverted Biological Microscope for Routine Examinations

OPTICS

Objectives: ICO PLAN Infnitive for Brightfield or Phase Contrast observations

Condenser: ELWD brightfield condenser n.A. 0.3; **Eyepieces:** EW10x/22 extra widefield, high-eyepoint

MECHANICS

Body: Sturdy high-tech cast aluminium base, 300 x 295 mm; **Head:** Binocular ERGO head; **Nosepiece:** Quintuple ball bearing nosepiece

Stage: Plain stage with inserted glass plate; **Illumination:** 6V 30W (brightfield), HBO100W (fluorescence), adjustable for 110/220V

OPTIONS

Phase contrast, fluorescence, observation set for up to 5 people, photo/video, aluminium case



COPPER



COPPER MCXM800

Metallurgical Microscope for Extremely High Samples

OPTICS

Objectives: MET ICO PLAN 5x/0.12, WD 15.4mm, 10x/0.25, WD 11.0mm, 20x/0.40, WD 6.0mm, 50x/0.75, WD 0.32mm; **Eyepieces:** EW 10x/20 widefield

MECHANICS

Body: sturdy base 300 x 295 mm; **Head:** Binocular or trinocular Siedentopf head, 30° inclined, 360° rotatable; **Nosepiece:** quintuple; **Stage:** Double layer mechanical stage; **Illumination:** 6V/30W, adjustable for 110/220V, precentered collector system with Iris field diaphragma and Iris aperture diaphragma

OPTIONS

ERGO binocular or trinocular head with inclination from 5° to 35°, Objective MET ICO PLAN 80x/0.90, WD 0.2mm, MET ICO PLAN 40x/0.60, WD 3.7mm, polarisation, photo/video attachments, digital cameras, aluminium case



gold



GOLD MCXI700

Inverted Metallurgical Microscope for the Material Science World

OPTICS

Objectives: MET ICO PLAN 5x/0.12, WD 15.4mm, 10x/0.25, WD 11.0mm, 20x/0.40, WD 6.0mm, 50x/0.75, WD 0.32mm; **Eyepieces:** EWF 10x/22

MECHANICS

Body: sturdy base 300 x 395 mm, **Head:** ERGO binocular or trinocular head with inclination from 5° to 35, **Nosepiece:** quintuple, **Stage:** Plain stage with inserted plate, **Illumination:** 6V/30W, adjustable for 110/220V, precentered collector system with Iris field diaphragma and Iris aperture diaphragma

OPTIONS

Objective: MET ICO PLAN 80x/0.90, WD 0.2mm, MET ICO PLAN 40x/0.60, WD 3.7mm, photo/video attachments, polarisation, digital cameras, mechanical stage, aluminium case



hornet



HORNET MZ1280

Infinite Stereomicroscope

OPTICS

Head: Binocular or trinocular tube; **Magnification:** Standard 6 – 50 x; Zoom ratio 1 : 8,3; **Optical System:** Infinite optical light path; **Eyepieces:** WFH 10x/22 High Eyepoint;

MECHANICS

Working Distance: Standard 95 mm; **Illumination:** Incident light 12V/3W LED, transmitted light 12V/4W LED to be used simultaneously

OPTIONS

Photo tube, auxiliary lenses, eyepieces, polarization, universal stands, extended arm stands, aluminium case



RAZOR



MICROS MANUAL MICROTOME RAZOR and STEELY

The Best Choice for Research and Routine Work in Biological, Medical and Industrial Field.

Made in Germany for MICROS! Highest precision allows a joyful using with greatest possible safety standard according class 4/MedGV. Guaranteed reliability through over-extension protection and sliding-clutch anti locking system in the coarse advance. Specimen changes are very easy to handle through advanced accessory design. Microtome lock conveniently integrated in the hand wheel.

TECHNICAL FEATURES:

Micro and coarse advance movements are enclosed in housing. Section thickness adjustment possible from **0.5 μm to 60 μm** in defined steps. Precise guide way and clamping device for knifeholder with optimum sliding capability and prism guide. **Vertical stroke:** 70 mm; **Max. horizontal stroke:** 40 mm; With object orientation unit, adjustable in X/Y axis as option, and object clamp with fixed upper jaw for max. specimen size of 55 x 55 mm. Knife holder base for different knife holders. Many accessories for different applications available. **Length:** 460 x width 460 mm x height 280; **Weight:** 35 kg without accessories.



	PINK MC50	POPPY MC50BAT	PETUNIA MCX50	DAFFODIL MCX100	CROCUS MCX100LCD	ROSE MC300	ORCHID MCX300
Objectives	Achro4/10/40/100	Achro4/10/40/100	ICO Plan 4/10/40/100	ICO Plan 4/10/40/100	ICO Plan 4/10/40/100	S-PLAN 4/10/40/100	ICO PLAN 4/10/40/100
Eyepieces	WF10x/18	WF 10x/18	WF 10x/18	EW 10x/20	EW 10x/20	WF 10x/18	EW 10x/20
LED Illumination	o 5W	9V/2W	o 5W	o 5W	-	o 5W	o 5W
Halogen Illumination	6V/20W	-	6V/20W	6V/20W	6V/20W	6V/20W	6V/30W
Koehler Illumination	-	-	-	•	•	•	•
Glass Stage	-	-	-	•	•	•	•
Brightfield	•	•	•	•	•	•	•
Phase Contrast	-	-	-	o	-	o	o
Darkfield	-	-	-	o	-	o	o
Polarization	-	-	-	o	-	o	o
Fluorescence	-	-	-	-	-	o	o
TV/Photo	-	-	-	o	•	o	o
Multi-Viewing	-	-	-	-	-	-	o

All models adjustable for 110V/220V, 50/60Hz | Antifungus Treatment o optional • standard | **glass stage** models available with glass stage | **best glass stage** option for Lily | **LED** models also available with LED illumination

	EDELWEISS MCP300	LILY MCX500	SUNDEW MCXI600	COPPER MCXM800	GOLD MCXI700	HORNET MZ1280	MICROTOMES
Objectives	Achro4/10/40/60	ICO PLAN 4/10/40/100	LWD ICO PLAN 10/20	MET ICO PLAN Infinite 5/10/20/50	MET ICO PLAN Infinite 5/10/20/50		
Eyepieces	WF 10x/18 one with crosshair	EW 10x/22 High Point	EW 10x/22 High Point	EW 10x/20	EW 10x/22 High Point		
LED Illumination		-	-	-	-		
Halogen Illumination	6V/20W	•12V/50W ○12V/100W	6V/30W	6V/30W	6V/30W		
Koehler Illumination	-	•	•	-	-		
Glass Stage	-	•	-	-	-		For technical specifications please see page 16
Brightfield	•	•	•	•	•		For technical specifications please see page 17
Phase Contrast	-	○	○	-	-		
Darkfield	-	○	-	-	-		
Polarization	•	○	-	•	•		
Fluorescence	-	○	○	-	-		
TV/Photo	○	○	○	•	•		
Multi-Viewing	-	○	○	•	•		

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RMS

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