



ZEISS Axioscope

Your Microscope for Research and Routine in the Materials Lab



The Axioscope upright light microscope was designed to meet the optical imaging requirements of materials laboratories. Coded and automation features make it particularly well suited to routine tasks that place high demands on data quality and reproducibility. It is also capable of handling advanced optical microscopy for materials science studies.

Axioscope is a turnkey solution for metallography and materials science in research and industry – with functions for determining grain size, phases and layer thickness as well as for the classification of graphite particles.

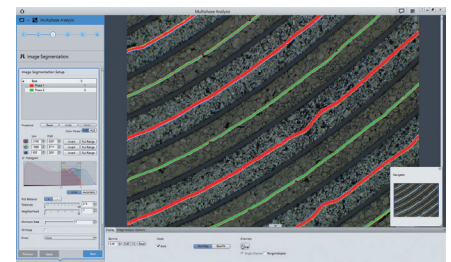
Advanced light management ensures that your samples are always optimally illuminated. With its versatility to handle many daily tasks, Axioscope has a good chance of becoming the preferred instrument of your laboratory staff.

Highlights

- Instrument variants for routine tasks and advanced research applications
- Ergonomic operating concept and easy image acquisition
- Full control over all stage movement, without having to take hands off the microscope or relying on external controllers (Axioscope 7)
- Coded components to assure reliable and reproducible results
- Modern light management to automatically adjust light intensity and scaling
- Automated advanced imaging thanks to full motorization of the X, Y, and Z motion axes (Axioscope 7)
- A multitude of contrast techniques to meet the special requirements of materials microscopy (Brightfield, Darkfield, Polarization, DIC, C-DIC, PlasDIC, Phase contrast, Fluorescence)
- ZEN 2 core: imaging software specially developed for materials research and metallography



Ergonomic operating concept: Axioscope controls



ZEN 2 core: imaging software for metallographic applications, such as Multiphase Analysis and Layer Thickness Measurement





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ZEISS Axioscope 5

Manual microscope with coded components for reproducible and reliable results in the analysis of material cuts, thin sections, and fracture surfaces



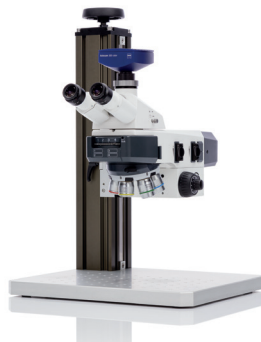
ZEISS Axioscope 5 for Polarization

Manual microscope with coded components for reproducible and reliable results in typical applications for polarization microscopy: geology, mineralogy and metallography



ZEISS Axioscope 7

Microscope with coded and motorized components for material microscopy tasks that require advanced imaging capabilities and workflow automation



ZEISS Axioscope Vario

Flexible material microscope, designed for reflected-light and fluorescence applications, with extended specimen space that accommodates large objects up to 380 mm

Microscope

- Axioscope 5
- Axioscope 5 for Polarization
- Axioscope 7
- Axioscope Vario

Objectives

- EC-EPIPLAN
- EC-Epiplan-NEOFLUAR
- EC-Epiplan-APOCHROMAT

Illumination

- LED 10W
- HAL 100W (Halogen)

Cameras

- AxioCam 105
- AxioCam 305
- AxioCam 503
- AxioCam 506
- AxioCam 512

Software

- ZEN 2 core
- Matscope

Material Modules in ZEN 2 core

- Grain Size Analysis
- Cast Iron Analysis
- Multiphase and Porosity Analysis
- Layer Thickness Measurement
- Comparative Diagrams

Not for therapeutic, treatment or medical diagnostic evidence. Not all products are available in every country. Contact your local ZEISS representative for more information. EN_42_012_262 | CZ 06-2018 | Design, scope of delivery and technical progress subject to change without notice. | © Carl Zeiss Microscopy GmbH



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