

ZEISS Microscopy

From micro to nano –
your partner for
innovative microscopy
solutions

Our product portfolio for the industry

Spring promotion
**-16%
discount**
on all microscopes
and accessories
for orders received until
July 31st 2017

// MICROSCOPY
MADE BY ZEISS



Demanding applications easily conquered.

Spring promotion for light microscopes and accessories.



Profit from the advantages of our latest microscope innovations and decide for the renowned quality of ZEISS light microscopes!

Receive an additional 16% discount during our spring promotion on all orders received until July 31st, 2017.

Your are looking for a suitable microscopy solution?

As a leading manufacturer of microscopes ZEISS offers inspiring solutions and services for material research and education.

From entry-level to high-end, from micro to nano – choose the ideal microscope solution for your application from the broadest product portfolio on the market:

For further details on products, downloads, etc. please visit www.zeiss.com/microscopy

Our sales team is happy to assist you!
Please contact:

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mobile: +359 887 800 817

e-mail: anton.tonchev@zeiss.com



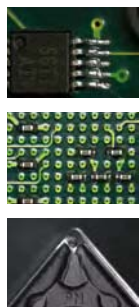
Stereo, Upright and Inverted Microscopes

For material research, quality control, laboratory or routine – choose from a **broad range of products in proven ZEISS quality with exceptional optical performance already available at entry-level**, which guarantee reliable results! Try us!

The Imaging Software ZEN 2 core is also available upon request for entry-level microscopes (more info on page 9)

ZEISS Stemi 305

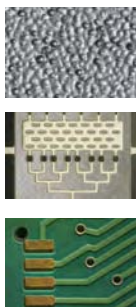
The all-in-one microscope. With integrated illumination and documentation.



- Compact, user-friendly stereo microscope with 5:1 zoom
- Free working distance of 110mm and object field diameter up to 29mm
- All accessible magnification range from 4x to 200x due to changeable optics
- Integrated 1.2 Megapixel Wifi camera or decide for the conventional phototube to gain access to all ZEISS Axiocam microscope cameras and the imaging software ZEN Core Starter
- Reflected and transmitted light: brightfield; darkfield; polarization; oblique light

ZEISS Stemi 508

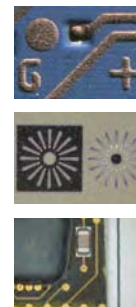
Excellent image contrast and color accuracy.



- Large 8:1 zoom with apochromatic correction brings details up to 50x magnification
- Precise mechanics for heavy workloads
- Add interchangeable optics and observe an area of up to 122 mm
- Choose from a wide range of different stands and accessories
- Reflected and transmitted light: brightfield; darkfield; polarization; oblique light

SteREO-Discovery

The modular stereo microscope with man./mot. zoom from 8:1. V.8, V.12, V.20



- Maximum flexibility through modular set-up
- Crisp and brilliant images throughout the whole 8:1 zoom range
- Available with various zoom and motorization
- 450 stand is large and heavy stable, minimizing vibration
- Choose from a wide range of different stands and accessories
- Reflected and transmitted light: brightfield; darkfield; polarization; fluorescence

ZEISS Axio Lab.A1

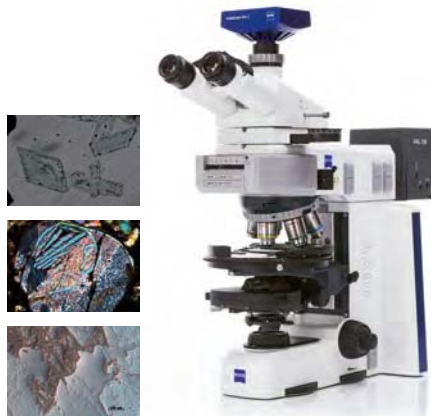
The routine microscope for material analysis. Small. Flexible. Sturdy.



- Excellent ergonomics, user-friendliness and excellent image quality
- Polarization stand for anisotropic structures such as minerals and fibres
- Small, flexible and extremely sturdy
- 4-position reflector turret to switch between various contrasting techniques
- C-DIC delivers excellent contrast in phase objects and other specimens poor in intensity contrast
- Reflected and transmitted light, conoscopy

ZEISS Axio Scope.A1

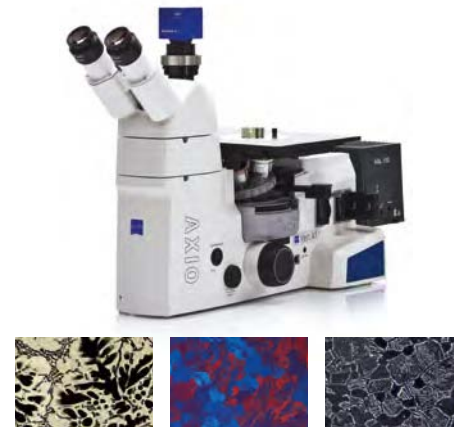
The modular microscope for routine and research.



- Examine large specimens without destruction and in one piece (up to a height of 110mm)
- 23 Stand versions and numerous interfaces
- Especially economic due to investments in components you actually need.
- Reflected and transmitted light or combined
- Reflected light: brightfield, darkfield, CDIC, polarization
- Transmitted light: brightfield, darkfield, phase contrast, linear and circular polarization, orthoscopy

ZEISS Axio Vert.A1

The inverted routine microscope for materials.



- Examine large, heavy samples, using a wide range of classic and advanced contrast methods
- 5x encoded nosepiece turret recognizes a change of objectives automatically
- 4x reflector turret to switch quickly and easily between contrast methods
- With the measuring recticle you are best equipped for overview measurement
- Reflected light: brightfield, darkfield, DIC, CDIC, fluorescence and polarization contrast to examine anisotropic materials
- Transmitted light: brightfield, darkfield, polarization and phase contrast



Automated Imaging Systems

Our products guarantee **reliable results** from incoming goods inspection to the research laboratory. And they are **easy to use – even for untrained users**.

Because of a **high automatization level** they ensure an **efficient sample throughput** and thus **reduce your operating costs**. Fully automated system solutions enable **independent and reproducible work with high accuracy** so that you are able to concentrate on what you see.

ZEISS Smartzoom5

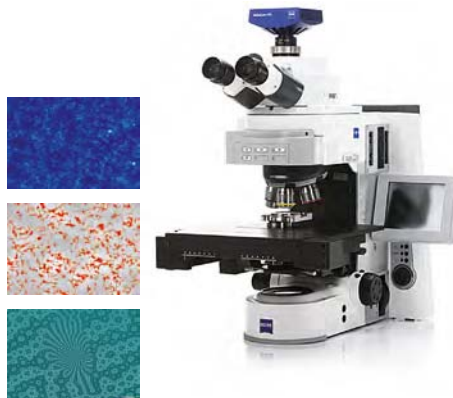
Smart Design. Smart Workflow.
Smart Output.



- Digital microscope for quality assurance applications with 10x zoom and three lenses
- Fast and easy to install and to use
- The optical engine combines zoom, overview camera and coaxial illumination in a single component
- The integrated QA/QC graphic user interface combined with gesture control to support a seamless macro-to-detail workflow, allowing easy navigation at all times
- Continuous status control of all main components and automatized calibration of single components
- Fast, reproducible QA/QC measurements for routine as well as failure analysis tasks

ZEISS Axio Imager 2

Your motorized microscopy platform
for material analysis.



- Quick and reproducible results while working under constant and vibration-free conditions
- Motorized stand to achieve reproducible illumination settings and constant image quality
- Modular stand concept with a variety of motorized and coded components
- C-DIC for the contrasting of differently aligned object structures. The specimen no longer has to be rotated for best image contrast and quality
- Software-Module Shuttle & Find completes the structural analysis from a light microscope with the material analysis of an electron microscope
- Analyse surfaces of solar cells, identify different asbest fibres or analyse fincut with polarization

ZEISS Axio Observer

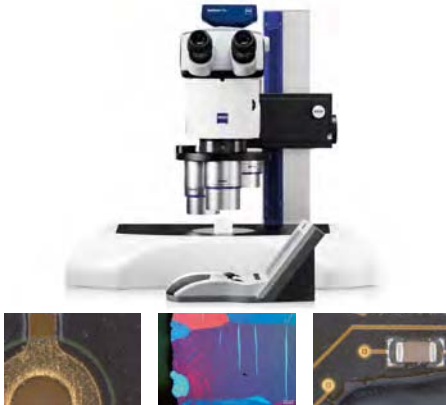
Your inverted microscope for investigation,
development and analysis of materials.



- Investigate metallography samples in no time at all
- No need to refocus, even when changing magnification or switching metallurgical samples
- Stable imaging conditions and homogenous illumination for crisp images especially when working with high magnifications
- Broad range of software modules such as analysis of non-metallic inclusions, grain sizes
- Only invest in functions you really require

ZEISS SteREO Discovery.V20

Modular stereo microscope with motorized 20x zoom.



ZEISS ZEN 2 core Imaging-Software

Easy to configure user surface.
Intelligent. Integrated.



**ZEN 2 core,
Imaging-Software
easy to use!**

Also available for entry-level products.

- Use the 20:1 zoom to gain flexibility and switch from largest overview into the smallest detail
- Higher magnifications can be realized with smaller lenses thanks to the large zoom range of the microscope body. Because of the improved spatial impression even the smallest details can be recognized a lot faster
- Multitude of accessory components to create an effective observation and documentation system
- Broad range of modules and accessories for adequate system extension
- Analysis of soldering joints, particles, fibres, lacquers, glass, textiles, artefacts on circuit boards
- Fibre-optically cold light source with spot-, ring-, line-, diffusor-, surface and coaxial illumination

- Fast and reproducible results
- GxP – Audit Trail. Make your system compatible for FDA 21 CFR Part 11 or simply monitor and report your workflow
- User surface for camera, reporting and measurement is optimised for industrial production environments
- Efficient workflows and operators will learn the software in a short time
- Use pre-defined or self-created templates and efficient routines



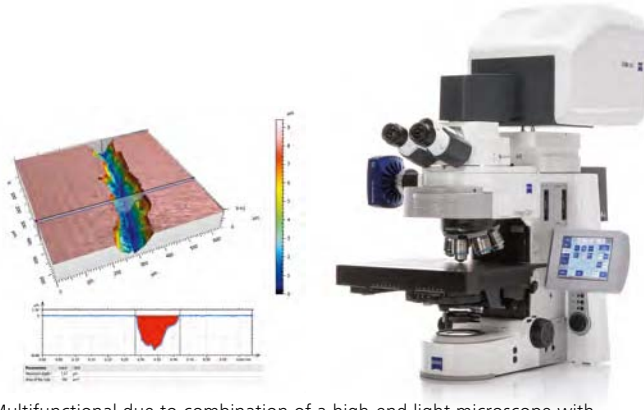
Confocal Microscopy

A confocal Laser Scanning microscope **scans a sample point by point and line by line to assemble an image**. Various levels are scanned by sequence to generate the surface of the sample. As a result you acquire 3D optical sections with high contrast and high resolution in x, y and z.

With **ZEISS LSM 800** or **ZEISS Smartproof 5** you receive best results in research, quality assurance and -control as well as for damage analysis!

ZEISS LSM 800

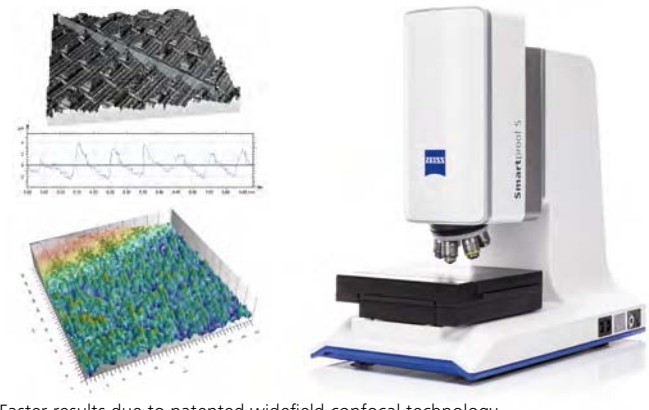
High sensitive GaAsP-Detection and fast linear scanning.
Available with Airyscan detection concept.



- Multifunctional due to combination of a high-end light microscope with a laser module
- Combine all essential light microscopy contrasting techniques for materials such as brightfield, darkfield, differential interference contrast with high precision topography, roughness measurement ISO 25178, layer thickness measurement, surface structure analysis
- High sensitive GaAsP-Detection and fast linear scanning optional
- Achieve a 1,8x higher resolution in all three dimensions with the optional detection concept Airyscan and reach a 5x smaller confocal volume
- Open interface for further upgrades of the system

ZEISS Smartproof 5

Integrated Widefield Confocal Microscope
for Surface Analysis in QA/QC.



- Faster results due to patented widefield confocal technology
- Patented widefield confocal technology (Spinning Disk Aperturcorrelation) guarantees faster results
- Including ConfoMap – the ZEISS version of MountainsMap – the gold standard in characterization software
- Driven by powerful ZEISS Efficient Navigation (ZEN) software for added benefits of maximum user friendliness and increased productivity
- Well suited for production and process monitoring
- Compact design and sturdy construction withstand vibration so effectively that there is no need for extra anti-vibration equipment
- Extra anti-vibration equipment
- Fully integrated system design: optics, electronics and camera are all enclosed in the microscope with the number of cables minimized to eliminate clutter
- Workflows for recurring tasks can be set-up easily
- ConfoMap Software ensures analysis of geometrical parameters of your probes or roughness analysis in 2D and 3D

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