



Authorized
Channel Partner



Discover More.

Precision Microscopy for
Modern Research & Industry.

Advanced imaging solutions
engineered to accelerate discovery,
enhance quality control, and
simplify workflows across
research, education, healthcare,
and industrial applications.



Simpler. More Intelligent. More Integrated.



Precision Imaging

Capture every detail with
exceptional optical
performance.



Intelligent Workflows

Reduce complexity through
smart automation and
seamless integration.



Reliable Performance

Consistent, repeatable
results for research
and industry.

MICROSCOPY SOLUTIONS

Built for Everyday Excellence

Reliable, efficient and easy to use microscopes for routine inspection and materials analysis in industrial and research environments.

Why Laboratories Choose ZEISS Solutions

- Proven Optical Engineering
- Workflow Optimization
- Long-Term Reliability
- Service & Application Support

01 ZEISS Smartzoom 100

Automated. All-in-One. Easy.



An automated digital microscope designed for fast, effortless optical inspection—no microscopy experience required.

Key Highlights

- 4K resolution at 60 FPS for lag-free live viewing
- 1.6x to 328x magnification
- Up to 330 mm free working distance
- Motorized auto-focus & height adjustment
- Built-in computer with inspection apps; magnetic objective mounts

Applications

- PCBs, SMDs
- Automotive Components
- Medical Implants & Pharma Packaging

02 ZEISS Axioscope 5

Reliable. Reproducible. Manual.



A manual upright microscope built for routine materials analysis with coded components for reproducible results.

Key Highlights

- Coded components auto-detect changes and adjust parameters
- Ergonomic snap buttons on both sides for instant image capture
- Reproducible results across users
- Ideal for material cuts, thin sections & fracture surfaces

Applications

- Material Analysis
- Thin Sections
- Fracture Surfaces

03 ZEISS Axioscope 7

Motorized. Automated. Advanced.



A motorized upright microscope optimized for automated workflows and advanced material imaging.

Key Highlights

- Full motorization of X, Y, Z axes
- Integrated stage control from microscope stand
- Automated EDF, Panorama, Tiles & Positions
- High throughput & repeatable imaging
- Ideal for advanced imaging and step-by-step automation

Applications

- Materials Research
- Industrial Quality Check
- High Throughput Imaging

04 ZEISS Axioscope Vario

Flexible. Powerful. No Boundaries.



The most flexible microscope for reflected-light and fluorescence applications with extended specimen space.

Key Highlights

- Accommodates large specimens up to 380 mm in height
- Reflected-light & fluorescence capabilities
- Mechanical hand crank for quick body height adjustment
- Heavy metal base plate for maximum stability

Applications

- Non-Destructive Testing
- Large Component Inspection
- Industrial Investigation

MICROSCOPY SOLUTIONS

Designed for Breakthrough Discoveries

Advanced platforms engineered for automated workflows, high-performance imaging and complex materials analysis.

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Empowering researchers, engineers and quality professionals with confidence in every observation.

5 ZEISS Stemi 355

Compact. Simple. Versatile.



A compact, easy-to-use Greenough stereo microscope with integrated illumination for education, labs and basic inspection.

Key Highlights

- 5.5:1 continuous zoom (3.6x – 200x)
- Integrated white LED illumination: near-vertical, oblique, and transmitted light
- Trino version connects to Wi-Fi enabled cameras via Labscope app
- Compact, intuitive and easy to use

Applications

- Education & Teaching
- Biology & Dissection
- Routine Lab Work
- Basic Industrial Inspection

6 ZEISS Stemi 508

Apochromatic. Robust. Accurate.



A robust, apochromatic stereo microscope delivering superior color accuracy, contrast and ergonomics for demanding tasks.

Key Highlights

- Apochromatic optics eliminate color fringes
- 8:1 zoom, magnification up to 250x
- Up to 122 mm field of view; working distance up to 287 mm
- Low 35° viewing angle reduces eyestrain

Applications

- PCB & Micro-Technology
- Watchmaking & Precision Parts
- Forensics & Failure Search
- Art Restoration & Conservation

7 ZEISS Axiovert 5

Smart. Standalone. Efficient.



A manual inverted microscope with Smart Microscopy for fast, PC-free documentation.

Key Highlights

- Smart Control Box – plug monitor via HDMI & capture directly
- Automatic exposure, white balance & image enhancements
- Saves metadata & scaling info to USB device
- Ideal where PC space is limited

Applications

- On-Site Material Inspections
- Routine Daily Checks
- Metallographic Analysis
- Space-Constrained Laboratories

8 ZEISS Axiovert 7

Automated. Integrated. Intelligent.



A motorized inverted microscope system for complete materials characterization and workflow automation.

Key Highlights

- Motorized Z-focus with option for motorized XY stage
- Integrated Autofocus & Parfocality
- Guided acquisition with ROI detection & automated scans
- ZEN core software with NMI analysis (ASTM E45, ISO 4967) & audit-trail

Applications

- Materials Research & Development
- Failure Analysis & Fatigue Testing
- Grain Structure Evaluation
- Certified Quality Grading

MICROSCOPY SOLUTIONS

Complete Insight. Chemical. Structural. Correlated.

The ZEISS Sigma 300 with RISE combines the power of Scanning Electron Microscopy with Raman Imaging to deliver unmatched chemical and structural insights in one integrated system.

01 ZEISS Sigma 300 with RISE Raman Imaging & SEM. Fully Integrated.

An integrated Raman Imaging and Scanning Electron Microscopy (RISE) system that extends the capabilities of the ZEISS Sigma 300 and Sigma VP 300. It delivers a chemical and structural fingerprint of samples by combining surface-sensitive SEM imaging with 3D confocal Raman imaging.

Ideal for the characterization of 2D materials, polymers, minerals, rocks, batteries, and biomaterials.



Key Benefits

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Correlated Results
Fast correlation of SEM, Raman & EDS data in one platform. |
Automated Workflow
Seamless sample transfer keeps the sample in vacuum. |
High Precision Insights
Confocal Raman imaging for chemical mapping at high resolution. |
One System. More Possibilities.
Expand capabilities without compromising standard SEM performance. |
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Powerful Capabilities



Workflow & Automation

- Automated, seamless sample transfer between SEM and Raman objectives.
- Sample remains in vacuum throughout measurement for fast, precise correlation of SEM, Raman, and EDS data.



Optics & Imaging

- Long working distance objectives (ZEISS Objective LD EC Epiplan-Neofluar 100x/0.75) for best field flattening image properties.
- Integration requires no modifications to the SEM chamber—zero compromises on standard SEM performance.



Raman Configuration (Basic)

- 532 nm laser (30 mW or 75 mW)
- CCD detector
- Navigation software
- Laser safety interlock (Class 1M)



Upgradable & Future-Ready

- Additional laser wavelengths: 478 nm, 633 nm, 785 nm
- Back-illuminated deep depletion CCDs
- Broadband spectrometers
- Spectral database management software

Applications



2D Materials
(CVD-grown MoS₂)



Polymers



Minerals & Rocks
(Hematite, Goethite,
Iron Ore)



Battery Ageing
Analysis



Biomaterials
(Bone)



One Platform. Endless Possibilities.

RISE empowers researchers and engineers to see more, understand more, and innovate faster with correlated chemical and structural information.



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more solutions