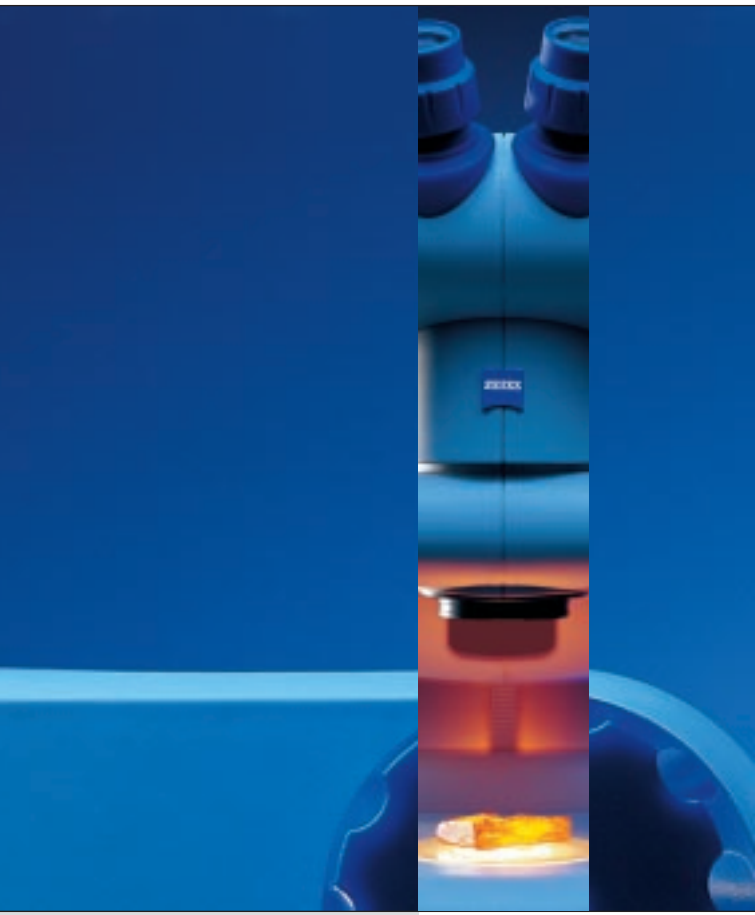
Stereo-microscopes



Teaching
Routine
Research

ZEISS

Stemi DV4

Compact and reliable stereomicroscope

- for dissection courses in schools and universities
- for examining spatial objects in hobby applications



Aphids, brightfield reflected light



new

	Basic instrument	Interchangeable optics
Range of total magnifications	8x…32x	2.4x…64x
Free working distance	92 mm	depending on attachment lens system
Field of view	20 mm	20 (mm)
Max. object field diameter	25 mm	83.3 mm
Zoom range	4:1 (0.8x…3.2x)	

Stemi 2000

Compact, high-performance stereomicroscope

- for research and routine work in the sciences
- for industrial assembly, testing and measurement jobs
- for monitoring industrial production processes



Watch movement, brightfield reflected light



	Basic instrument	Interchangeable optics
Range of total magnifications	6.5x ... 50x	1.95x ... 225.0x
Free working distance	90 mm	depending on attachment lens system
Field of view	23 mm	21/16/10 (mm)
Max. object field diameter	35 mm	118 mm
Zoom range	7.7:1 (0.65x ... 5.0x)	

Stemi SV6

High-performance stereomicroscope of modular design

- providing an economical, extendable base for universal stereomicroscopy
- for routine and research applications
- in biology, medicine and industry



Textile fabric, brightfield reflected light



	Basic instrument	Interchangeable optics
Range of total magnifications	8x … 50x	5.0x … 312.5x
Free working distance	92 mm	depending on objective
Field of view	23 mm	21/16/10 (mm)
Max. object field diameter	29 mm	45 mm
Zoom range	6:1 (0.8x … 5.0x)	

Stemi SV11

High-performance stereomicroscope of modular design

- with all capabilities for critical routine and research applications
- from low-power overviews to highly magnified details



Feather, darkfield transmitted light

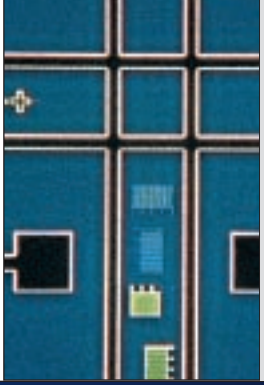


	Basic instrument	Interchangeable optics
Range of total magnifications	6.0x … 66x	3.8x … 412.5x
Free working distance	86 mm	depending on objective
Field of view	23 mm	21/16/10 (mm)
Max. object field diameter	38 mm	61 mm
Zoom range	11:1 (0.6x … 6.6x)	

Stemi SV 11 Apo

The high-end stereomicroscope of modular design

- for the most critical demands in research and quality inspection
- providing high-contrast, brilliant images of outstanding depth of field and excellent color fidelity



Wafer, darkfield reflected light



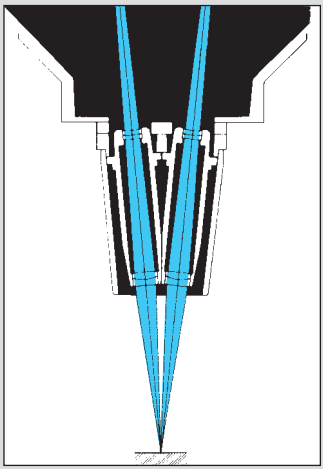
	Basic instrument	Interchangeable optics
Range of total magnifications	6.0x … 66x	6.0x … 264x
Free working distance	80 mm	depending on objective
Field of view	23 mm	16/10 (mm)
Max. object field diameter	38 mm	38 mm
Zoom range	11:1 (0.6x … 6.6x)	

Stereomicroscopes produce three-dimensional, unreversed and erect images. Stereo-images of spatial objects, in particular, are strikingly lifelike.

The special advantages of stereomicroscopes include large object fields and long working distances. Advanced stereomicroscopes provide overall magnifications up to about 250x.

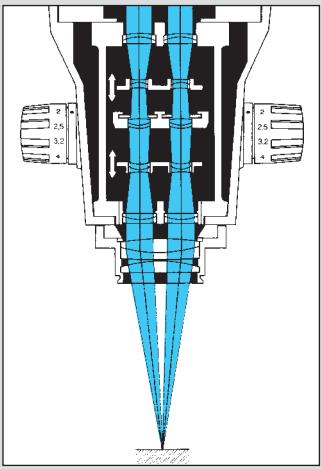
Modern stereomicroscopes are designed after two different concepts:

Greenough design



Two identical objectives, mutually inclined by the stereo angle, produce two separate images, which are viewed through two eyepieces and seen as a single 3D image.

Telescope design



Two partial microscope systems arranged in parallel with each other share a single main objective. The stereo angle is formed by the two extra-axial cones of rays leaving the main objective.

Stemi DV4
Stemi 2000
Stemi 2000-C
Stemi 2000-CS

Stemi SV 6
Stemi SV 11
Stemi SV 11 Apo

With the Zeiss modular design, the entire spectrum of microscopic documentation is at your disposal.

Stemi 2000-C with MC 80 Microscope Camera for 35mm photography



A uniform port design concept permits the attachment of

– commercial 35mm cameras

– special microscope cameras for 35mm or large-frame photography

– video cameras

A wide variety of accessories and a sophisticated system of mounting interfaces provide great flexibility to assemble efficient configurations tailored to your requirements.

		Stemi DV4	Stemi 2000	Stemi 2000-C/-CS	Stemi SV6	Stemi SV11	Stemi SV11 Apo
Attachment lens systems		●	●	●			
Objectives					●	●	●
Eyepieces			●	●	●	●	●
Stemi mounting brackets	(for 76 mm dia.)	●	●	●			
Stemi mounting brackets					●	●	●
Stands		●	●	●	●	●	●
Stand C		●	●	●			
Stages		●	●	●	●	●	●
Brightfield	Reflected light	●	●	●	●	●	●
	Coaxial reflected light				●	●	●
	Transmitted light	●	●	●	●	●	●
	Mixed light	●	●	●	●	●	●
Darkfield	Reflected light	●	●	●	●	●	●
	Transmitted light	●	●	●	●	●	●
	Mixed light	●	●	●	●	●	●
Polarization	Reflected light	●	●	●	●	●	●
	Transmitted light	●	●	●	●	●	●
Documentation	35mm photography	●		●	●	●	●
	Large-frame				●	●	●
	Video	●		●	●	●	●
Co-observation					●	●	●
Measurement / Counting		●	●	●	●	●	●
Drawing					●	●	●



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