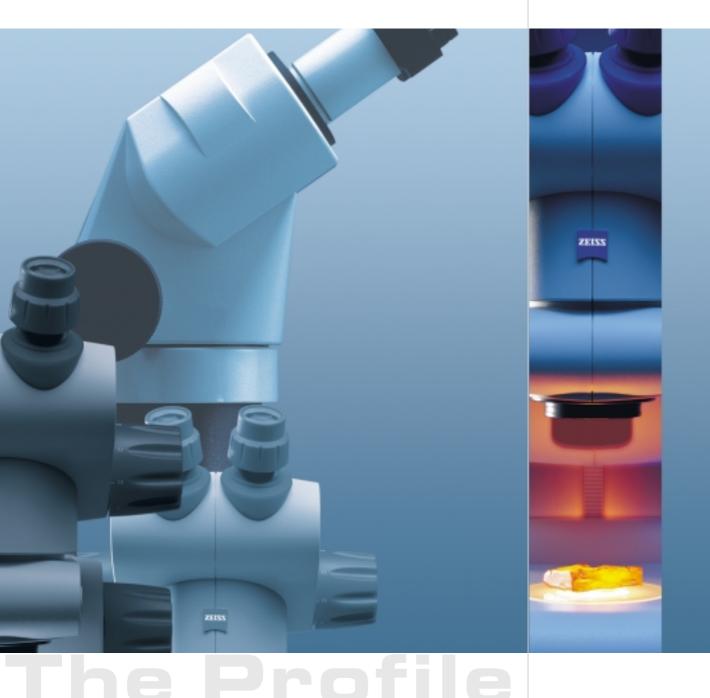
Stemi DR, Stemi DV4 Stemi 2000

Stereomicroscopes



Conceived by Greenough, Realized by Zeiss.



"Couldn't one build a microscope for both eyes, and thereby generate spatial images ... ?"

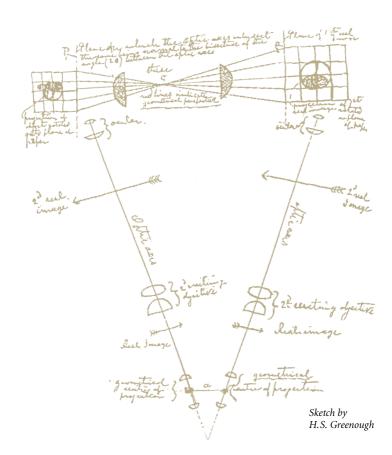
This, in effect, were the words the American zoologist Horatio S. Greenough addressed to Ernst Abbe of Zeiss in 1896, during one of those evening gatherings of scientists at Jena's "Weimarscher Hof" inn.

This was when the *Greenough double microscope of Zeiss design* (as it was officially called then) was born – the world's first factory-produced stereomicroscope. In the hundred-plus years since then, Zeiss specialists have gathered a wealth of know-how in designing and making advanced stereomicroscopes.

Know-how that is incorporated in our current products: Stemi DR, Stemi DV4, and Stemi 2000 –

Stereomicroscopes

from Carl Zeiss



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The Art of the Essential



The microscope bodies:

Stemi DV4

- (\underline{D} ouble-lens \underline{V} ario, zoom factor $\underline{4}$)
- Stereomicroscope with zoom (vario) magnification changer
- Magnification range: 8x to 32x
- Field-of-view number: 20
- Free working distance: 92 mm

Stemi DV4 SPOT

- $(\underline{D}ouble-lens \underline{V}ario, zoom factor \underline{4})$
- Stereomicroscope with zoom (vario) magnification changer
- Magnification range: 8x to 32x
- Field-of-view number: 20
- Free working distance: 92 mm
- Built-in light SPOT with fiber-optic cable connecting to a cold-light source

Stemi DR1040

(<u>D</u>ouble-lens <u>R</u>evolving nosepiece, fixed <u>10</u>x and <u>40</u>x magnifications)

- Stereomicroscope with 2 selectable,
- fixed magnifications: 10x and 40x – Field-of-view number: 20
- Fleta-oj-vlew number. 20

– Free working distance: 92 mm

Stemi DR1663

(<u>D</u>ouble-lens <u>R</u>evolving nosepiece, fixed <u>16</u>x and <u>63</u>x magnifications)

- Stereomicroscope with 2 selectable, fixed magnifications: 16x and 63x
- Field-of-view number: 20
- Free working distance: 92 mm

A bright and accurate optical image, straightforward operation, a compact, but attractive design, and all that at an acceptable price – this is perhaps the most concise description of a modern stereomicroscope.

This sounds very simple. Given the policy of Carl Zeiss to make no compromise in optics, though, it is far from simple. Yet Carl Zeiss has succeeded admirably. In collaboration with the Carl Zeiss innovation center, we created a number of advanced manufacturing processes which ensure the high Zeiss quality you expect while also permitting us to sell this product family at attractive prices.

Undisputedly, the Stemi DV4 with its brilliant images sets a new standard for stereomicroscopes in this performance class. Note, among other features, the novel electronic light control by pushbuttons.

And we trust you will admire the unconventional yet highly functional styling. All in all: a neat little work of art.

(All data are given for the basic configurations without optical accessories)

Extra Excellence from Zeiss

Carl Zeiss Stemi 2000 stereomicroscopes definitely rank among the leading instruments of their performance class. Their deservedly fine reputation among the world's laboratories and industrial plants is mainly due to their unexcelled imaging quality in terms of contrast, depth of field and resolving power. The peerless standard 23 mm field of view lets you observe a specimen field sized up to 35 mm. The Stemi 2000 was the first to have a distinctly lower viewing angle of 35° – an essential ergonomic improvement in modular stereomicroscope setups of greater overall height.

An exchangeable dust glass protects the valuable zoom optics against dust and aggressive vapors.

As all Greenough microscopes, the Stemi 2000 models have the internationally common 76 mm mounting diameter.

Stemi 2000 - another proof of Zeiss excellence.



The microscope bodies:

Stemi 2000

- Stereomicroscope with factor 7.7 zoom magnification changer
- Switchable click stop
- Magnification range: 6.5x to 50x
- Field-of-view number: 23
- Free working distance: 92 mm

Stemi 2000 C

- Stereomicroscope with factor 7.7 zoom magnification changer
- Switchable click stop
- Magnification range: 6.5x to 50x
- Field-of-view number: 23
- Free working distance: 92 mm
- Camera port with 100/100 % light selector switch

Stemi 2000 CS

- ${\it Stereomicroscope} \ with \ factor \ 7.7 \ zoom \ magnification \ changer$
- Switchable click stop
- Magnification range: 6.5x to 50x
- Field-of-view number: 23
- Free working distance: 92 mm
- Camera port with fixed 50/50 % light distribution





The Solid Base of Quality Results

Flexible operations on a solid base: With a number of tried-and-approved stands for its stereomicroscopes, Carl Zeiss offers efficient solutions tailored to your specific requirements. Functional, variable and stable, these are stands you can depend on.

An inexpensive, but efficient accessory to the Model C stand: **the darkfield transmitted light accessory.**





Model P stand

With a sturdy, springmounted hinged arm, the Model P leaves lots of free space for positioning your stereomicroscope over the bench top. There is no problem in swiveling the instrument in and out as required.

Model C stand

This compact stand already

nating techniques – reflected,

transmitted and mixed light.

and control them separately.

Optimum for teaching and

simple routine work.

incorporates the essential illumi-

Select them by pressing a button,

Model S stand Economic and functional: the elementary stand.

Cantilever-type or hinged-arm stands such as **Model DA**, Model D or Model G allow the observation of large specimens. Their rotating, swiveling and tilting facilities meet your flexibility requirements.

For footprints and column heights of all stereomicroscopes see page 27.

Base plate 32 with column

Enormously stable. This sturdy base accommodates columns of 32 mm dia. and various lengths, and affords extra stability for extensive microscope setups. Ideal for observing large specimens.



Model N stand

Large, but low-weight base of sand-

wich design ensuring high stability.

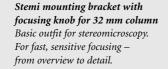
The Link to Your Success



Four functions in one. The Stemi mounting bracket for the 32 mm dia. stand column combines all important functions:

- Supporting the microscope body at its 76 mm mounting diameter
- Focusing onto the specimen within a range of ± 20 mm
- Fitting to 32 mm dia. stand columns
- Accommodating optical fiber illuminators

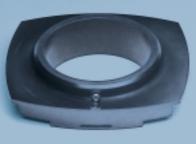
Surface finish and diameter of the control knobs ensure swift and sensitive focusing.





The combination of a **non-focusing** Stemi mounting bracket of 76 mm mounting dia. and a BMS adapter (<u>Bonder Mount Socket 5/8</u>") provides a tiltable connection with cantilever and hinged-arm stands.





Adapter for B&L mounting brackets For fitting Zeiss stereomicroscopes to the barrel-shaped aperture of the brackets of earlier Bausch&Lomb stereomicroscopes.

Precise, Smooth Handling Kind to Your Specimens

Stages not only facilitate observation but also help avoid damage to specimens. After placing the specimen on a stage, you can operate controls to shift and/or tilt your specimen without touching it again.



Jerk-free, specimen-preserving work with the **sliding stage**.

Sliding stage

For sensitive shifting and turning of specimens. Stage diameter: 190 mm Range of motion: ± 20 mm

Ball-and-socket stage

Can be tilted in any direction to allow observation of 3D objects sideways. Small specimens can be pricked to the exchangeable, adhesive soft pad inset. Stage diameter: 158 mm. Range of tilt: ± 30°.

Mechanical stage

Facilitates systematic scanning of specimens on slides or in Petri dishes with transmitted-light or epi-illumination. Can be fitted with optional specimen driver, glass plate, and/or various type M holder frames for specimen vessels. Range of motion: 76 x 50 mm Holder frames: Please inquire.

Rotating stage

For observations with reflected, transmitted and – especially – polarized light. Equipped with a vernier scale for object quantification and reproducible positioning. A specimen driver option is available for retrofitting.

Stage diameter: 115 mm Range of rotation: 360° Range of specimen slider motion: 75 x 25 mm.



24 Specimens at Your Fingertips



A special click stop mechanism exactly positions each specimen.

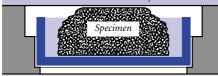
Fast, easy, safe: Retrofit your 32 mm column stand with the Model S Specimen Carousel, and click-stop any of 24 specimens to its precise position in the beam path. The carousel works with all illuminating techniques – reflected, transmitted or mixed light, brightfield or darkfield.

> Ideal and efficient for museums and exhibitions: The **Model C Specimen Carousel** fitted to the compact **Model C stand**.



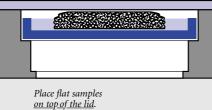
The wells of the carousel accommodate commercial Petri dishes of 35 mm dia. Throughout the 24 places, the surface or detail of interest remains approximately in focus, requiring only slight correction.

Place tall samples <u>in</u> a Petri dish.



Cover plate

Place samples of medium height <u>in the lid</u> of the Petri dish.



501035076334497633449764035555878



Extra Power

With supplementary lenses you can increase either the magnifying power or the free working distance of your stereomicroscope. Simply screw them to the objective front lens mount.



For extra-sensitive, vibration-free focusing, use the **supplementary 0.3x** ... **0.5x** zoom **lens**. As an added advantage, it allows the viewing height to be varied within \pm 70 mm. Specially suited as a companion to cantilever and hinged-arm stands.



with power factors below 1 enlarge the object field and the working distance, ...

Whereas supplementary lenses

... those with power factors above 1 increase the stereomicroscope's magnification.



For working distances and object fields, see page 26.

Wide Fields

All eyepieces on Zeiss stereomicroscopes can be focused to allow the compensation of the observer's visual defects. Plug-in diameter: 30 mm. And all eyepieces can accommodate micrometer disks.



Measuring, counting, comparing

Eyepiece micrometer disks are available with diameters of 26 and 21 mm. They are calibrated with a stage micrometer.



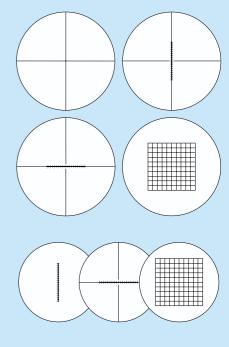
Eyepieces W 10x/21 foc.* with eyecups. Budget-priced wide-field eyepieces of high optical performance. (Eyepiece micrometer disk dia.: 26 mm)

Eyepieces W-PL 10x/23 Br. foc.*** High-performance aspheric eyepieces with large, flattened 23 mm visual field (Optional eyecups) (Eyepiece micrometer disk dia.: 26 mm)

Eyepieces W-PL 16x/16 Br. foc.*** Eyepieces of high magnification with large 54° angular field (Optional eyecups) (Eyepiece micrometer disk dia.: 21 mm)

Eyepieces W 25x/10 foc.* with eyecups For maximum magnifications (Eyepiece micrometer disk dia.: 21 mm)

* focusing ** high eyepoint (for use with eyeglasses)





Left to right and top to bottom:

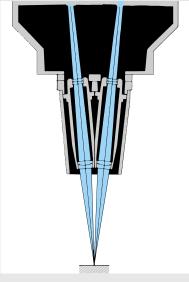
Crosshairs, 26 mm dia.

Crosshairs micrometer 10:100, 26 mm dia. Crosshairs micrometer 14:140, 26 mm dia. Net micrometer 12.5x12.5/5, 26 mm dia. Eyepiece micrometer 10:100, 21 mm dia. Crosshairs micrometer 10:100, 21 mm dia. Net micrometer 10x10/5; 10, 21 mm dia. Stage micrometer 25+50/10 mm

Stereomicroscopes Form True-to-Side, Erect 3D Images

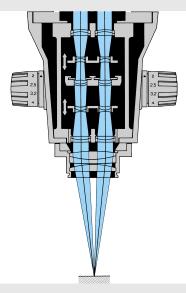
The realistic, 3D images are especially effective with specimens having pronounced spatial structures. The large object fields and long working distances are of particular advantage. The total magnification limit of modern stereomicroscopes is about 250 x.

Modern stereomicroscopes are built according to either of two design concepts:



The Greenough design

Two identical objectives, arranged with their optical axes including the stereo angle, generate two separate images. Observed through separate eyepieces, they combine to form a 3D image.

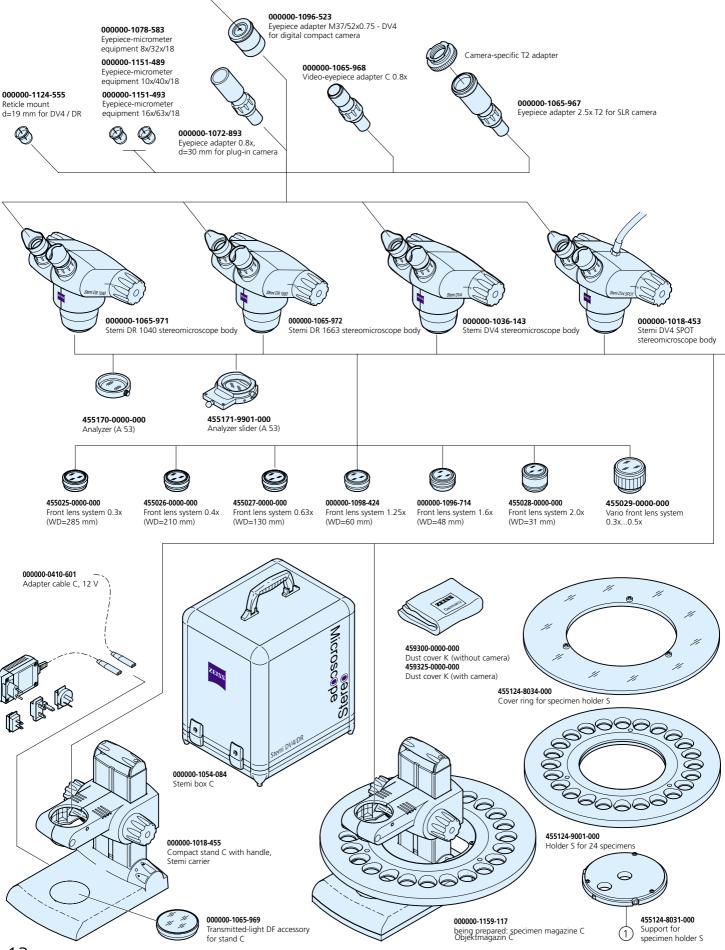


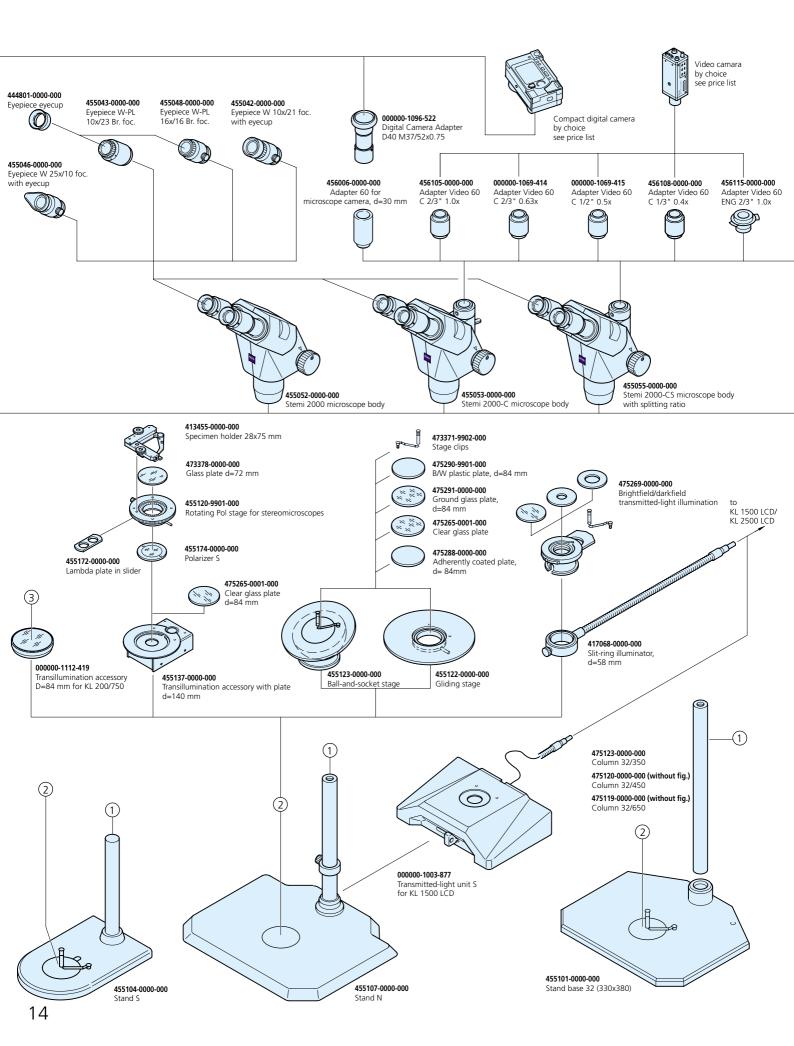
The Telescope design

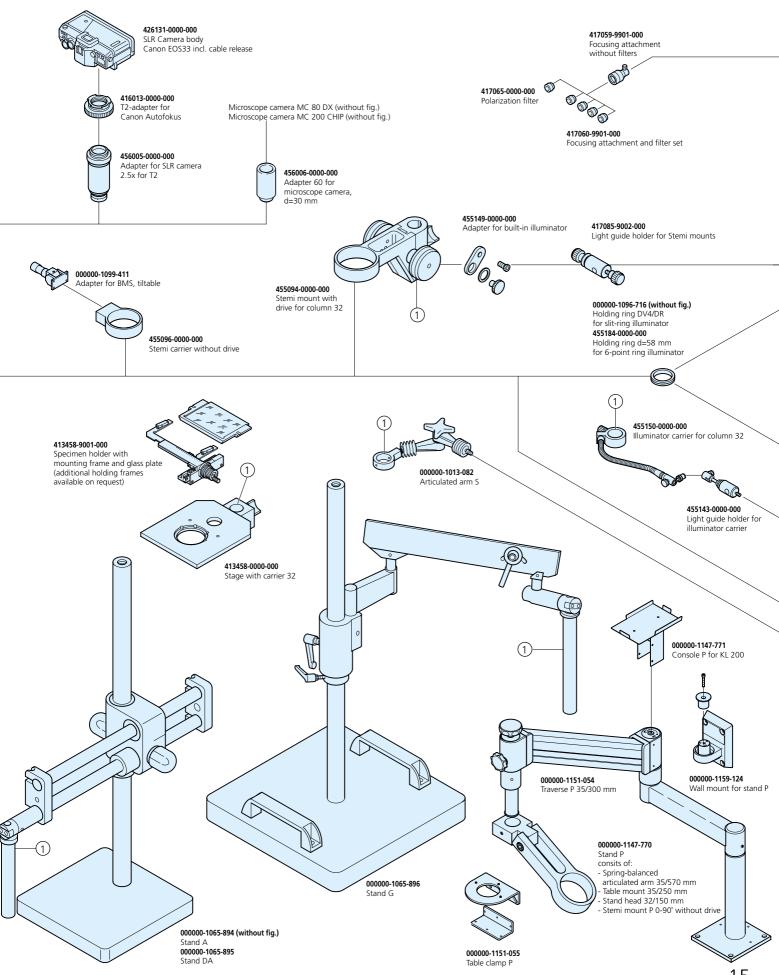
Two microscope systems arranged in parallel share a common objective. The stereo angle is formed by the extra-axial pairs of rays.

The stereomicroscopes of the **Stemi DR**, **Stemi DV4** (*Double lens*) and **Stemi 2000** series conform to the Greenough concept.

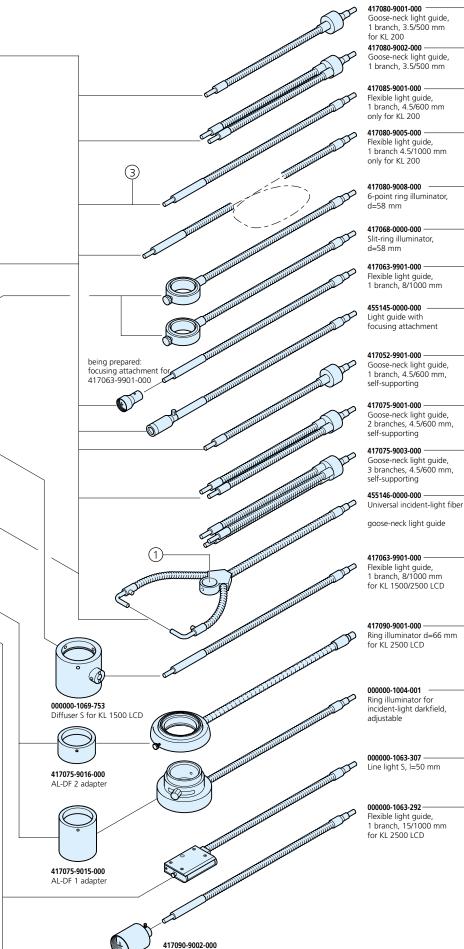
The bodies of these stereomicroscopes are very compact. Even in their most basic configurations, the Carl Zeiss products excel by their outstanding imaging performance.





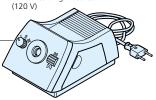


Systems Overview

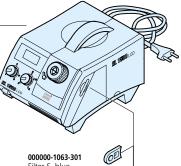


417085-0000-000 KL 200 cold-light source (230 V)

417086-0000-000 (without fig.) KL 200 cold-light source



000000-1063-181 Cold-light source KL 1500 LCD (230 V) 000000-1063-182 (without fig.) Cold-light source KL 1500 LCD (115 V)



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000000-1063-301 Filter S, blue

000000-1063-302 Filter S, red

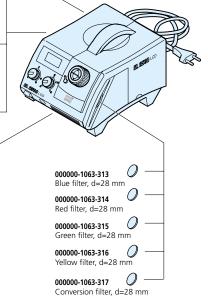
000000-1063-303 Filter S, green

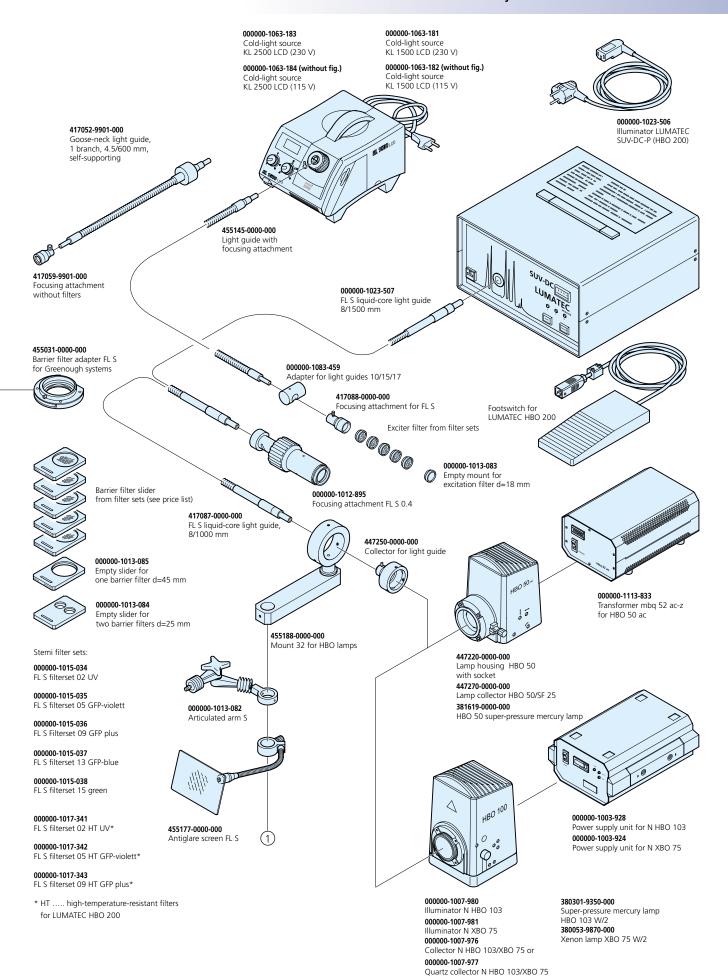
000000-1063-304 Filter S, yellow

000000-1063-306 Conversion filter S

> 000000-1063-183 Cold-light source KL 2500 LCD (230V)

000000-1063-184 (without fig.) Cold-light source KL 2500 LCD (115V)





Cold Light for Bright Views

Your stereomicroscope wants plenty of light in a small space. What it doesn't want is heat that could make the specimen change. That is why cold light is standard with Carl Zeiss stereomicroscopes.

Universal Epi-Illuminator with KL 1500 LCD cold light source

Two lamps at the end of goosenecks of enormous flexibility, easy to fit to the stand column. As the goosenecks come from behind, the specimen remains 100% accessible.



Inside-Mounting Epi-Illuminator with KL 200 cold light source Built into the Stemi bracket, this spotlight illuminator does not interfere with specimen manipulation.



Ring Illuminators Ideal for shadowless, homogeneous illumination.



Select from three cold-light sources and a wide range of fiber-optic accessories to meet your requirements:

Schott KL 200 cold light source

This small, compact and inexpensive cold light source has an 8V/20W lamp with three switch-selectable brightness levels.

Schott KL 1500 LCD cold light source

The light source used most frequently. 12V/150W, with continuous electronic light control and a filter pocket.

Schott KL 2500 LCD cold light source

With its 12V/250W lamp, this is one of the most powerful cold light sources. Can be continuously dimmed, either electronically or mechanically (color temperature remains constant). With filter wheel and remote control box.



Simply rotate the ring lamp of the darkfield epi-illuminator to vary the contrast.



Line Illuminator

Converts the round cross-section of the fiber-optic light conductor into a row of fibers. The emerging line of light, when incident at a grazing angle, covers the specimen with a luminous carpet. The shadows thus thrown make finest structures visible – e.g., those of a fingerprint.



Diffuse Illuminator with KL 1500 LCD cold light source Involves the Model S Diffuser. High-contrast, almost reflection-free imaging of convex, glossy surfaces. Simply convincing.



The Pleasure of Seeing Through

To suit different requirements and budgets, Carl Zeiss provides a choice of three transmitted-light solutions for stereomicroscopes, ranging from highly affordable to extremely versatile.



For simple transmitted-light observations: **Brightfield transmitted-light** accessory (84 mm dia.) to Schott KL 200.

Model S Transmitted-Light Illuminator

with KL 1500 LCD cold light source Extremely versatile brightfield/darkfield illuminator. Optimum illumination matched to the specimen is achieved via a tiltable mirror unit with two reflectors which effect really bright, yet soft and even lighting. The unidirectional darkfield illumination facility provides not only good contrast but also a strong 3D effect.

Transillumination Light Box

with KL 200 cold light source A specially low-priced solution for versatile brightfield transmitted-light illumination. It works in conjunction with one of the built-in illuminators available – simply direct the flexible fiber-optic conductor in the Stemi mounting bracket vertically down. The light is deflected onto the specimen from below via two mirrors.





Brightfield/Darkfield Transmitted-Light Illuminator

with KL 1500 LCD cold light source Unstained transparent specimens are barely visible in a bright field. By simply switching to circular darkfield with this illuminator, you can easily detect the structures (defects, impurities) in or on such specimens in good contrast.

This illuminator is used in conjunction with the annular slit illuminator.



Polarization Brings It to Light

For polarizing microscopy, the transillumination light box or the universal transmitted-light illuminator can be supplemented with polarizing equipment including the rotating stage and an analyzer slider.



Polarizer S

The rotating stage (see page 8) has a recess to accommodate the Polarizer S and can be optionally equipped or retrofitted with a specimen driver and a compensator slider containing a 1st order red filter.

Analyzer slider

Analyzer S (no illustration) Either of these fits over the 53 mm barrel of the stereomicroscope's front objective. The slider has the extra advantage of allowing quick change between plain brightfield and polarization.

Rotary polarizer

for focusing attachment To improve the illumination of glossy surfaces, a rotary polarizer can be screwed to the focusing attachment of an optical fiber cable illuminator. The analyzer S fitted to the objective then allows the elimination of disturbing reflections.





Retrofittable Fluorescence with Halogen ...

There is an increasing demand for a combination of fluorescent labeling with the large orthoscopic images of a Greenough stereomicroscope. Carl Zeiss has it. The external excitation source may either be a halogen or a super-pressure mercury vapor lamp.





Light sources

The Schott KL 2500 LCD cold light source with its 250W reflector lamp supplies many times the amount of light of other lamps known so far. It is excellent for simple applications with blue or green excitation.

Excitation

External excitation is by visible light conducted via fiber-optic cables. The 28 mm dia. excitation filters are located in the 5-place filter wheel of the source.



... or Super-Pressure Mercury Vapor Lamps



Easy change of emission filters.

Light sources

The ideal choice: Depending on your application and the energy required, choose from two super-pressure mercury vapor lamps, HBO 50 and HBO 100, which attach to the stand column, and the LUMATEC HBO 200, which provides extra power for critical fluorescence work. In either case, light is conducted to the specimen through a special liquid light conductor of improved transmittance.

Excitation filters

Excitation filters are screwed to the focusing attachment at the front end of the light conductor. The maximum illuminating aperture obtained with an Fl S 0.4 focusing attachment is 0.4.





Emission filters

The emission filter collar Fl S fits to the front lens of the stereomicroscope. It has a pocket accommodating the filter slider from the filter set used.

Filter sets

A filter set comprises a mounted excitation filter and a matching emission filter slider.

The following filter sets are available: FI S 02 (ultraviolet) FI S 05 (violet) FI S 09 (GFP plus) FI S 13 (blue) FI S 15 (green) Special heat-resistant filter sets are available for use with the LUMATEC HBO 200: Fl S 02 HT (ultraviolet) Fl S 05 HT (violet) Fl S 09 HT (GFP plus)

Holders for individual filters: Mount for one 18 mm dia. excitation filter Slider for one 45 mm dia. emission filter Slider for two 25 mm dia. emission filters

Do It Your Way

The choice is yours: Use your hobby SLR or one of those high-resolution camera systems specially designed for micrography. Carl Zeiss offers a wide range of camera adapters.

Photomicrography with your reflex camera

Whether you need pictures for your own archive or for publication, photography on 35mm film is the solution that costs you least, especially if you already own a 35mm SLR camera. Carl Zeiss can supply fast-mounting adapters for all quality cameras on the market.





Video camera adapters

The photo/video port of the Stemi 2000-C accommodates both single-chip and 3-chip CCD cameras. Whether bayonet or C-mount, it is no question that Carl Zeiss has the right adapter for each.







On-line PC processing of Stemi DV4 images.



Cameras attach to the Stemi DV4 and Stemi DR stereomicroscopes via one of the two eyepiece tubes.

Remove the eyepiece and replace it with an adapter, which ensures exact camera positioning relative to the microscope.

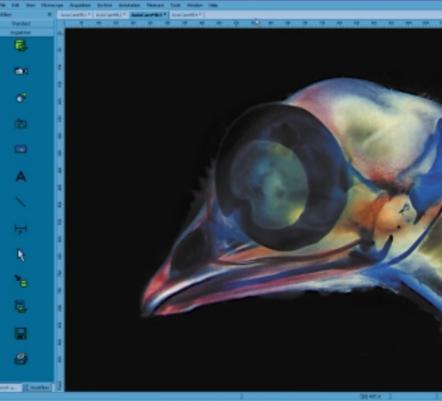
Digital camera adapter D40 M37/52x0.75 for connecting commercial digital still and video cameras.

AxioCam MRc5

For top-grade documentation of your microscope images – pin-sharp and true to color. With its resolution of 2584 x 1952 pixels, the AxioCam MRc5 microscope camera outperforms a 3-chip CCD video camera in definition.

Simply follow the icons – operating the AxioCam MRc5 is child's play.





At a Glance

Stemi DR 1040

Eyepiece	W 10x/20 Br. foc.							
Supplementary lens	0.3x	0.4x	0.3x0.5x	0.63x	none	1.25x	1.6x	2x
Free working distance	285 mm	210 mm	23491 mm	130 mm	92 mm	60 mm	48 mm	31 mm
Magnifications	3.0x/12.0x	4.0x/16.0x	3.0x5.0x / 12.0x20.0	6.3x/25.2x	10.0x/40.0x	12.5x/50.0x	16.0x/64.0x	20.0x/80.0x
Object field (mm)	66.7/16.7	50.0/12.5	66.740.0 / 16.710.0	31.8/7.9	20.0/5.0	16.0/4.0	12.5/3.1	10.0/2.5

Stemi DR 1663

Eyepiece	W 10x/20 Br. foc.							
Supplementary lens	0.3x	0.4x	0.3x0.5x	0.63x	none	1.25x	1.6x	2x
Free working distance	285 mm	210 mm	23491 mm	130 mm	92 mm	60 mm	48 mm	31 mm
Magnifications	4.8x/18.9x	6.4x/25.2x	4.8x8.0x / 18.9x31.5	10.1x/39.7x	16.0x/63.0x	20.0x/78.8x	25.6x/100.8x	32.0x/126.0x
Object field (mm)	41.7/10.6	31.3/7.9	41.725.0 / 10.66.3	19.8/5.0	12.5/3.2	10.0/2.5	7.8/2.0	6.3/1.6

Stemi DV4 and Stemi DV4 SPOT

Eyepiece	W 10x/20 Br. foc.								
Supplementary lens	0.3x	0.3x 0.4x 0.3x0.5x 0.63x none 1.25x 1.6x							
Free working distance	285 mm	210 mm	23491 mm	130 mm	92 mm	60 mm	48 mm	31 mm	
Magnifications	2.4x9.6x	3.2x12.8x	2.4x16.0x	5.0x20.2x	8.0x32.0x	10.0x40.0	12.8x51.2	16.0x64.0	
Object field (mm)	83.320.8	62.515.6	83.312.5	40.09.9	25.06.3	20.05.0	15.63.9	12.53.1	

Stemi 2000

Supplemen	tary lens	Eyepiece							
Factor	Free	WPL 10x/23 Br. foc.		WPL 16x/16 Br. foc.		W 25x/10 foc.			
working distance (mm)		Magnifications	Object field (mm)	Magnifications	Object field (mm)	Magnifications	Object field (mm)		
0.3x	285	1.95x 15.0x	118.015.3	3.1x 24.0x	82.110.7	4.9x 37.5x	51.3 6.7		
0.3x0.5x	234 91	1.95x 25.0x	118.0 9.2	3.1x 40.0x	82.1 6.4	4.9x 68.8x	51.3 4.0		
0.4x	210	2.6 x 20.0x	88.511.5	4.2x 32.0x	61.5 8.0	6.5x 50.0x	38.5 5.0		
0.63x	130	4.1 x 31.5x	56.2 7.3	6.6x 50.4x	39.1 5.1	10.2x 78.8x	24.4 3.2		
none	92	6.5 x 50.0x	35.4 4.6	10.4x 80.0x	24.6 3.2	16.3x125.0x	15.4 2.0		
1.25x	60	8.1 x 62.5x	28.3 3.7	13.0x100.0x	19.7 2.6	20.3x156.3x	12.3 1.6		
1.6x	48	10.4x 80.0x	22.1 2.9	16.6x128.0x	15.4 2.0	26.0x200.0x	9.6 1.3		
2.0x	31	13.0x100.0x	17.7 2.3	20.8x160.0x	12.3 1.6	32.5x250.0x	7.7 1.0		

		Stemi DV4 on Stand C Weight: 5 kg			Stemi 2000 on Stand S Weight: 4.2 kg
Microscope bodies	Stemi DR 1040 Stemi DR 1663 Stemi DV4 Stemi 2000 Interpupillary dista Interface: 76 mm	ance adjustable from 55 to	ax.: 80x) 9 ax.: 126x) 9 ax.: 64x) 9 ax.: 250x) 9	Free working distance (FWE 92 mm 92 mm 92 mm 92 mm))
Eyepieces		0V4 with fixed eyepiece nterchangeable eyepieces	W 10x/20 Br. foc W 10x/21 foc. W-PI 10x/23 Br. f	W-PI 16x/16 Br	foc.
Supplementary lenses	0.3x FWD: 285 r 0.4x FWD: 210 r		′D: 234 91 mm ′D: 130 mm	1.25x FWD: 60 mr 1.6x FWD: 48 mr	
Mounting brackets	Stemi brackets wi	th focusing knob for 32 m	m column; Stemi br	racket w/o focusing knob; S	temi tiltable bracket 0 – 90°
Stands	Model C Model S Model N Model P Model G Model A Model DA Base plate 32	Bench-top stand, footpri Bench-top stand, footpri Bench-top stand, footpri Hinged-arm stand, max. Hinged-arm stand, footp column height 600 mm, Column height 600 mm, Bench-top stand, footpri column height options: 3	nt 180 x 240 mm, o nt 440 x 360 mm, o outreach 880 mm rint 360 x 360 mm, max. outreach 780 max. outreach 460 max. outreach 570 nt 330 x 380 mm,	column height 260mm column height 350mm , mm) mm) mm	
Stages	Sliding stage (dia. Rotating stage (di	,	socket stage (dia. 1) al stage (78 x 50 m		nen carousel
Epi-illuminators	150W cold light	6-spot ring light or goose 2 models: fitting into Ste	emi mounting brack eneck emi mounting brack or darkfield) (adapt fuser S, or line light	eet, or attaching to stand co et, or attaching to stand co ter for use with cold light 2 t	blumn;
Transmitted light	10W/balagan	Integrated in Model C st	and		
Transmitted-light illuminators	10W halogen 20W cold light 150W cold light	Integrated in Model C sta Transillumination light bo Transmitted-light mirror a Transmitted-light illumina Ring slit light for bright-	ox accessory accessory ator, model S	(All fiber-optic components for 1 can be used for 250 W cold light with the Schott KL 2500 LCD sou	via an adapter provided
Fluorescence	250W cold light	External oblique excitatio		100/200 External oblique	excitation
nuorescence			100 30/		excitation
Polarization	20/150/250W co	d light with transmitted-li	ght accessory		





Carl Zeiss Light Microscopy

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