

2014 EUROPE

we detect it early



COLPOSCOPES
& ASSOCIATED EQUIPMENT

LEISEGANG 

THE COLPSCOPE COMPANY



Dr. Thomas Kupferschmidt
Sales Director

Dear customers,

With over 65 years of experience in the development and production of colposcopes, the name Leisegang stands for traditional German engineering excellence. Throughout our history we have focused exclusively on colposcopy and now export to over 70 countries worldwide.

The use of high-quality optics, the utilization of the most intensive white-light LED lighting and a high degree of hand-finished manufacturing are the hallmarks of our exceptional quality. As a result, we are recognised worldwide as the 'Gold Standard' in colposcopy.

As a subsidiary of the American CooperSurgical Group, we are able to offer you both a full range of products related to the dysplasia consultation and technical expertise all in one.

We thank you for your interest.

Your Leisegang Team

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What is colposcopy?



Dr. Hans Hinselmann

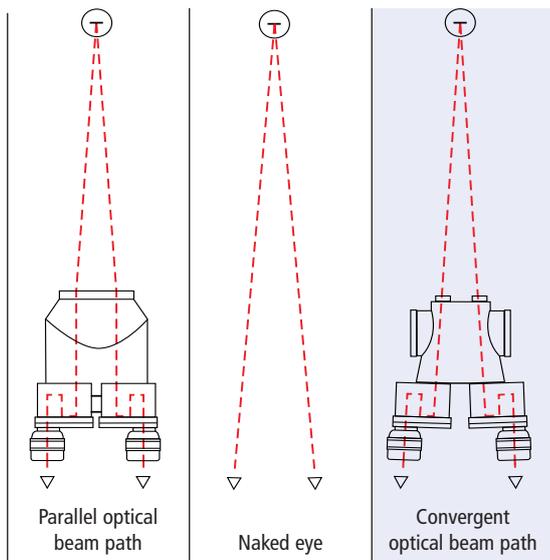
Colposcopy first emerged as a science in the 1920s. In 1925, the German doctor Hans Hinselmann examined and classified a number of epithelial abnormalities and colposcopy was founded. The term comes from the Greek 'kolpos', meaning 'vagina' and 'scopia' meaning 'look at'. In establishing colposcopy, Hinselmann made a decisive contribution to the early detection of cervical cancer.

Today, colposcopy also plays an important role in the early detection of preinvasive and invasive epithelial abnormalities in the genital tract:

- Cervical carcinoma is the second highest cause of death in woman worldwide;
- More than half a million women worldwide suffer from this type of carcinoma per year;
- Half of them die from the effects of this cancer.

If detected early, cervical cancer can be treated. Naturally, the quality of the colposcope is crucial in this respect. Leisegang Colposcopes deliver a 3D picture due to their excellent optics, various levels of magnification, and first-class illumination. As a result, early and correct diagnosis is possible and lives can be saved.

Six good reasons for choosing LEISEGANG



1 Convergent Optics

Unlike the parallel optics often found elsewhere on the market, Leisegang offers convergent optics for fatigue-free work. The advantage of convergent optics is that light beams come together at a working distance of 300 mm, meaning that the eyes do not have to focus at this distance themselves.

2 Ergonomic Design

Decades of experience and a sophisticated design contribute to user-friendly handling and slim design.

Ergonomic adjustment drives for height, focus and angle tilting allow exact positioning to millimetric accuracy. Detachable rings for ocular covers enable use of the colposcope with glasses.



The whole field of view is also visible while using the colposcope with glasses

3 LED Lighting

All Leisegang colposcopes are equipped with continuously adjustable white-light LED lighting. A higher light intensity allows a clearly superior contrast, leading to a more precise diagnosis. Leisegang is currently the only company which provides an extremely bright LED spotlight with a lighting strength of 45,000–52,000 Lux at a working distance of 300 mm.



4 Comfortable Stands

Whether mobile or fixed to an examination chair, Leisegang stands are characterized by an ease of use and a low space requirement.

A slim, sophisticated design provides reliable stability, allowing maximum possible movement for precise positioning.



5 Upgrading

Leisegang offers – amongst others – photo/video adaptors as associated equipment. By using these adaptors, standard colposcopes can also be retrofitted as photo/video colposcopes, so even with a standard colposcope it is possible to document diagnoses.



6 Durability

A Leisegang colposcope is a great investment from a durability point of view, with even lamp replacement being unnecessary. It's an investment that will pay off.

Even today, these devices are still used in medical practices:

Model II,
(from the 1960s)



Model IA,
(from the 1970s)



Model III b,
(from the 1980s)



Six good reasons for choosing LEISEGANG

Selected References:

Germany

Universitätsklinik Hamburg-Eppendorf

Katholisches Klinikum Mainz

Helios Klinikum Berlin-Buch

Ernst von Bergmann Klinikum, Potsdam

Universitätsklinikum Tübingen

International

Johns Hopkins Hospital, Baltimore, USA

Yale University – New Haven, CT, USA

Chu Bichat-Cl. Bernard, Paris, France

Perinatal Center of Bakulevs Institute, Moscow, Russia

University Hospital, Kuala Lumpur, Malaysia

National Cancer Institute, Bangkok, Thailand

Beijing University People's Hospital, Beijing,
People's Republic of China

Gandhi Hospital, Secunderabad, India



Dr. Shakuntala Baliga
India

„Leisegang is one of the oldest and among the best manufacturers of medical precision instruments in the world.

The Leisegang colposcope has been called the 'Gold Standard' by the industry and doctors. LeiseCap software is very suitable for gynecologists.“



Dr. Jens Quaas
Secretary of the German Association
of Cervical Pathology and
Colposcopy:

“I have been working for many years with Leisegang colposcopes. They have very good optics, LED lighting and image quality, and are very user friendly. Their customer service team are available at any time, and offer outstanding expertise.“

Colposcopes

All Leisegang colposcopes have the following features:

- Convergent optical beam path for fatigue-free work
- Vivid, 3D image
- 300 mm working distance
- LED lighting:

With a colour temperature of 5,700-6,000 Kelvin for excellent contrast

With a lighting strength of 45,000-52,000 Lux (at a working distance of 300 mm)

Only 10 W power consumption

The lamps have a long lifetime and therefore do not need to be replaced,

Continuously variable adjustment

- Green filter for observation of blood vessels ¹
- Compensation for myopia and hyperopia through through adjustable oculars
- Standard colour Grey white (RAL 9002). Also available in all colours within the RAL colour system

¹ Excluding angle device



Standard Colposcopes €

The standard model for day to day consultations with various magnification settings, green filter, continuously adjustable LED lighting, compensation for ametropia from +7 to -7 diopters and 300 mm working distance.

1E LED



Entry level model for everyday consultations:

- x 15 fixed magnification
- Adjustment drives for focus and height

1E LED Light



Economical entry level model. The working height is determined by the choice of stand:

- x 15 fixed magnification
- Simple tilt function, without fine-tuning



Findings provided by
Leisegang exclusive distributor SWSY,
China National Scientific Instruments & Materials Corporation

1D LED



Standard model with three magnification levels:

- Magnification adjuster for x 7.5/15/30 magnification
- Adjustment drives for focus and height
- **1DS LED**
As for 1D LED, but with x 3.75/7.5/15 magnification

1DW LED



As for 1D LED, but with comfortable 45° angled oculars.

NOTE: No green filter!



All Leisegang colposcopes¹ have adjustment drives for height (1), focus (2) and angle tilt (3):



¹ Except model 1E LED Light

Photo/Video Colposcopes CE

Colposcopes for users with more advanced requirements such as documentation or presentation of the examination image on a monitor. Highly dimmed lenses allow for a large depth of focus.

3ML LED



Photo/video colposcope for the documentation of examination results. Intended for the connection of external cameras:

- Magnification adjustor for x 7.5/15/30 magnification
- Integrated mono photo/video optics with the appropriate magnification
- Digital SLR camera or video camera can be connected
- **3MLS LED**
As for 3ML LED, but with x 3.75/7.5/15 magnification

3MLW LED



As for 3ML LED, but with comfortable 45° angled oculars
NOTE: No green filter!



Convenient mounting of cameras via the camera port:



3MVC LED USB



For the documentation of examination results in everyday consultations. With integrated camera:

- Magnification adjustor for x 7.5/15/30 magnification
- Integrated 1.3 Megapixel video camera
- USB 2.0 interface
- For connection to a PC or laptop
- Basic image viewing software ColpoSoft included with delivery!

3MVCW LED USB



As for 3MVC LED USB, but with comfortable 45° angled oculars

NOTE: No green filter!

Slim bottom shell due to integration of the video camera:



Photo/Video Colposcopes CE

3MVS LED Y/C NTSC



For presentation on a monitor. With integrated camera:

- Magnification adjustor for x 3.75/7.5/15 magnification
- Integrated video camera to the NTSC standard
- Y/C interface (S-video)
- For connection to an NTSC monitor. Including 5.00 meter cable

All models are also available in all colours within the RAL colour system



Stands

Leisegang offers various types of stands, which are either mobile or fixed to the gynecological examination chair.

All stands are characterized by an ease of use and a low space requirement.

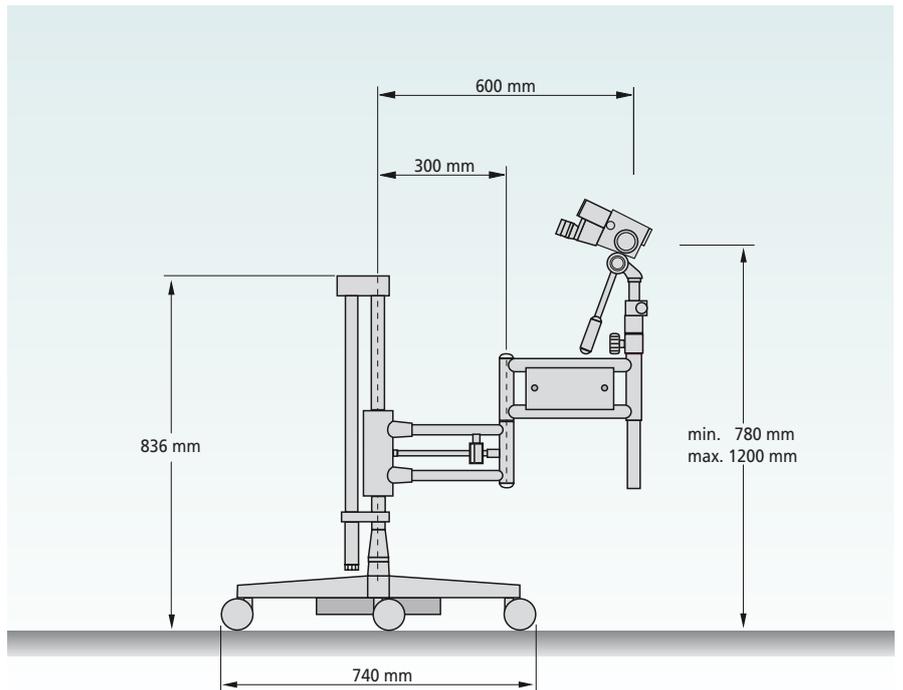


Stands

Balance-o-matic Stand

Comfortable work thanks to "weightless", free movement:

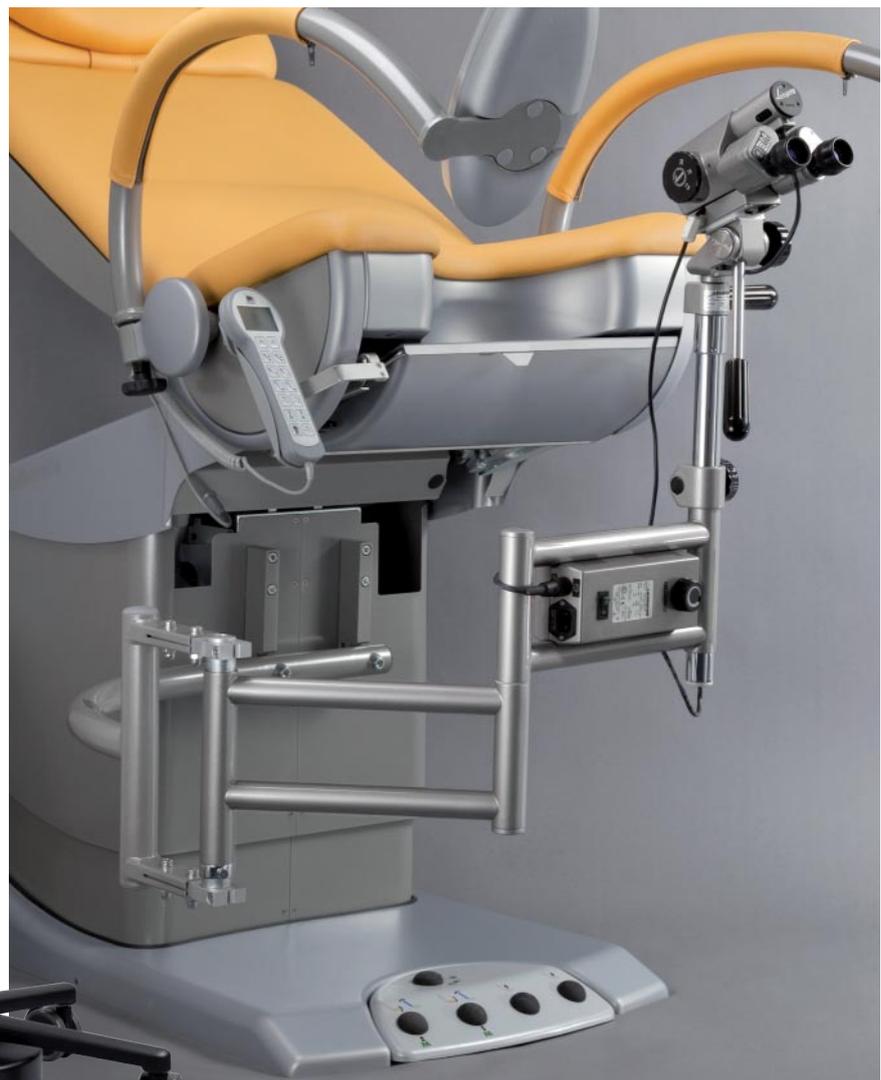
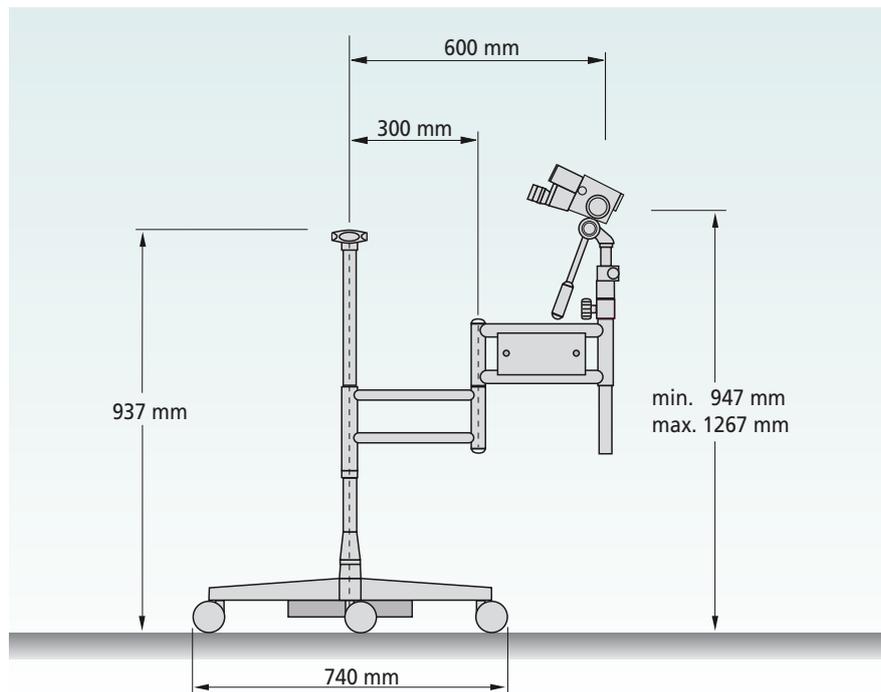
- Free horizontal movement within a radius of up to 600 mm
- Space-saving due to foldable frame (radius when folded: 300 mm)
- "Weightless" vertical movement due to balanced, effortless movement system
- Lockable
- Fixed mounting to examination chairs on the right or left is possible
- Five-wheel spider base allows for stand mobility
- A later conversion from chair to wheel mounting is possible



Swing-o-matic Stand

Solid design with low space requirement:

- Free horizontal movement within a radius of up to 600 mm
- Space-saving due to foldable frame (radius when folded: 300 mm)
- Vertical movement through manual adjustment and height drive
- Fixed mounting to examination chairs on the right or left is possible
- Five-wheel spider base allows for stand mobility
- A later conversion from chair to wheel mounting is possible



Stands

Upright Stand

Basic model:

- Rigid column with lightweight 5-wheel spider base
- Working height: 907–1270 mm



All models are also available
in all colours within the RAL colour
system



Associated equipment



Associated Equipment

Leisegang offers optimized accessories both for the documentation of findings and for surgical procedures.

Video Camera

Compact, high resolution video camera:

- 1.3 Megapixel resolution
- CCD image sensor
- C-Mount lens connection
- USB 2.0 interface
- For connection to a PC, laptop or photo/video adaptor
- Images are available immediately
- Easy connection by video tube or photo/video adaptor
- ColpoSoft CD with drivers and basic image viewing software with delivery!



Canon EOS

Canon digital SLR camera with extremely high resolution. In addition to everyday consultations, this camera is suitable for scientific publications and presentations:

- Model 550D and higher
- 18 Megapixel resolution
- CMOS image sensor
- Full HD Movies
- For connection to PC, laptop or monitor
- Easy connection with photo tube and T2 adaptor
- Including T2 adaptor
- Canon lens and HDMI cable not included; photo tube must be ordered separately



Photo/Video Adaptor CE

Adaptor for the retrofitting of standard colposcopes:

- x 15 fixed magnification
- Mounting kit included



Associated Equipment

Tray

For comfortable work with a laptop, free horizontal movement within a radius of up to 255 mm. Suitable for Swing-o-matic stands or Balance-o-matic stands¹.

Available in all colours within the RAL colour system.



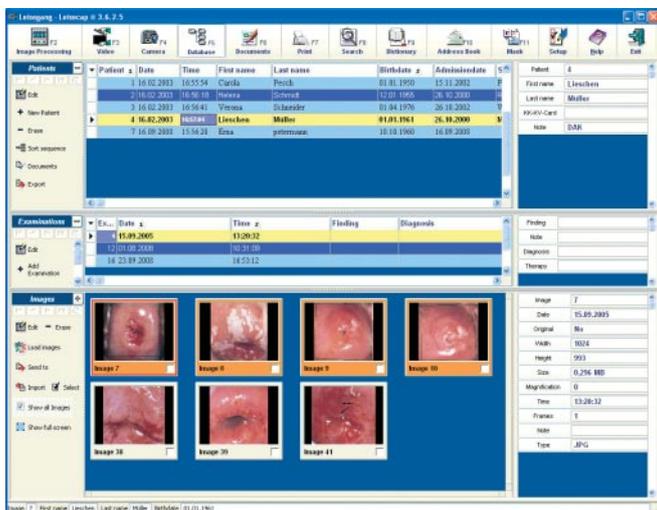
¹ To attach tray to chair mounted Swing-o-matic stand, please contact our customer service!

Please contact us for other applications.
We will be happy to advise you.

LeiseCap

LeiseCap is a documentation software, which is specially adapted to the needs of practicing gynecologists. Together with the colposcope and camera, examination results can be quickly and efficiently documented and the progression of a disease shown.

Optional additional modules allow the adaptation of the software to the individual needs of your practice.



LeiseCap is delivered pre-installed on a laptop:

- Keyboard: German or English
- Dongle and foot switch included



Integrated Modules

Video

Image and video capture at full resolution by mouse, keyboard or foot switch

Image processing

Addition of text and markings, correction of light, magnification of details

Database

Capture and management of all patient, examination and image data; quick print and export functions

Print

Printing of patient data and images through printing templates; archiving of correspondence; exporting to WORD; sending of emails

Print forms

Creation of individual print templates, inclusion of logos or graphics possible; importing of previous templates in WORD or RTF format; organization of images by drag&drop

Further modules are available (see Orders)

ColpoSoft

ColpoSoft includes the driver for the video camera and ColpoViewer, a basic documentation software.

- Camera driver for 3MVC LED USB
- ColpoViewer: easy recording and displaying of images, assignment to patient, data and defined saving location



ColpoSoft is included in the delivery of the 3MVC LED USB model and the video camera.

ColpoSuite

As with Leisegang, CooperSurgical's central focus is women's health. In order to maximise performance, we have combined different CooperSurgical and Leisegang products together and present the CooperSurgical-Leisegang ColpoSuite for the dysplasia clinic.

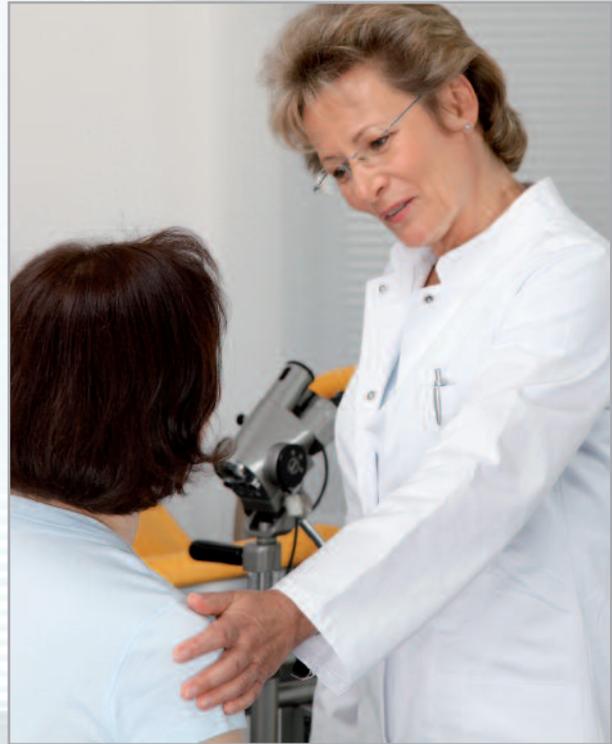
The ColpoSuite provides a full range of screening and treatment possibilities like colposcopy, LEEP and cryosurgery:

- Diagnosis and treatment under one roof
- Better workflow for gynecologists
- Reduced time for patient's benefit
- Modular system
- Space-saving



The ColpoSuite consists of:

- Leisegang photo/video colposcope with integrated or external SLR camera, laptop, software
- CooperSurgical LEEP 1000 workstation with smoke evacuator
- CooperSurgical cryosurgery unit
- Dispensing module
- Module with built-in heating plate for preheating of specula
- All instruments required for colposcopy
- On request, we can recommend a suitable examination chair



Product Finder

You have needs.

We have solutions!

Standard Colposcopy

You are looking for a standard colposcope without photo/video function but it should be upgradable to a photo/video colposcope:

Suitable colposcope:

1E LED x 15 fixed magnification
1D LED x 7.5/15/30 magnification
1DS LED x 3.75/7.5/15 magnification

For upgrading to photo/video colposcope, please use a photo/video adaptor and a camera.

Suitable stands:

Upright
Swing-o-matic stand
Balance-o-matic stand

Presentation

You want to show the patient what you are doing on a monitor:

Suitable colposcope:

3MVS LED Y/C NTSC
x 3.75/7.5/15 magnification,
integrated video camera,
Y/C (S-video) interface for connecting to an NTSC compatible monitor

Suitable stands:

Swing-o-matic stand
Balance-o-matic stand

Documentation

You want to capture pictures, save patient's records and documents:

Suitable colposcope:

3MVC LED USB
x 7.5/15/30 magnification,
integrated 1.3 MegaPixel video camera
Optional: LeiseCap software pre-installed on a laptop, tray

Suitable stands:

Swing-o-matic stand
Balance-o-matic stand

Documentation & Presentation

You want to capture pictures, save patient's records and documents and simultaneously show the patient or students what you are doing:

Suitable colposcope:

3MVC LED USB
x 7.5/15/30 magnification,
integrated 1.3 MegaPixel video camera
Optional: LeiseCap software pre-installed on a laptop, tray. Connection laptop – monitor with VGA cable or HDMI cable

Suitable stands:

Swing-o-matic stand
Balance-o-matic stand

Scientific Work

You teach, conduct research, deliver presentations, publish books or require detailed photo documentation in your patient records:

Suitable colposcope:

3ML LED
x 7.5/15/30 magnification,
Optional: LeiseCap software pre-installed on a laptop, tray, digital SLR camera Canon EOS (please ask for the up-to-date model before ordering)

Suitable stands:

Swing-o-matic stand
Balance-o-matic stand

Quick Finder

Standard Colposcope

Model	Magnification		LED-lighting	Focus and height adjustment			45° Inclined Oculars	Green filter	Diopter Adjustment ± 7 Diopters
	x 15	x 3.75/7.5/15		x 7.5/15/30	Height	Focus			
1E LED Light	•			•		•		•	•
1E LED	•			•	•	•		•	•
1D LED			•	•	•	•		•	•
1DS LED		•		•	•	•		•	•
1DW LED			•	•	•	•	•	•	•

Photo/Video Colposcope

Modell	Magnification		LED-lighting	Focus and height adjustment			45° Inclined Oculars	Green filter	Diopter Adjustment ± 7 Diopters
	x 3.75/7.5/15	x 7.5/15/30		Height	Focus	Tilt			
3ML LED		•	•	•	•	•		•	•
3MLS LED 1"	•		•	•	•	•		•	•
3MLS LED 1/2"	•		•	•	•	•		•	•
3MLW LED		•	•	•	•	•	•		•
3MVS LED Y/C NTSC	•		•	•	•	•		•	•
3MVC LED USB		•	•	•	•	•		•	•
3MVCW LED USB		•	•	•	•	•	•		•

Cameras

Model	Resolution		Mounting		Live Video	For which colposcope				
	1.3 MP	≥ 18 MP	≥ 460 TVL	Integrated		External	3ML LED	3MLW LED	3MVS LED Y/C NTSC	3MVC LED USB
Videokamera	•			•	•	•	•		•	•
Canon EOS		•			•	•	•			
NTSC-Kamera			•	•				•		

Compatibility of Stands

Model	Light 5-wheel spider base	Heavy 5-wheel spider base (B0001500)	Special mounting Maquet Radius chair (BG001010)	Special mounting Maquet Radius chair (BG001020)	Special mounting Atmos Chair Gyne (Baisch) chair (B0001010)
Upright stand (BG000130)	•				
Swing-o-matic stand with column for 5-wheel spider base (BG001530)		•			
Swing-o-matic stand with short column for chair mounting, e.g. Schmitz Stuhl (BG000170)					•
Swing-o-matic stand without column for chair mounting (BG000160)			•		
Swing-o-matic stand with long column for examination tables e.g. (BG000180)					
Balance-o-matic stand (BG000135)		•		•	•

Orders

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By Fax:
+49 30-31 35 992

By Email:
info@leisegang.de
barbara.breitfeld@leisegang.de

Item Number	Description
Colposcopes	
BG002380	Model 1E LED Light
BG002390	Model 1E LED
BG000280	Model 1D LED
BG000290	Model 1DW LED
BG002680	Model 1DS LED
BG005000	Model 3ML LED
BG005100	Model 3MLW LED
BG006700	Model 3MLS LED 1"
BG006750	Model 3MLS LED 1/2"
BG004780	Model 3MVS LED Y/C NTSC
BG005300	Model 3MVC LED USB
BG005400	Model 3MVCW LED USB
Stands	
BG000130	Upright stand with light 5-wheel spider base, only available as wheel mounting
BG001530	Swing-o-matic stand with wheel column for wheel mounting
BG000170	Swing-o-matic stand with short column for chair mounting (e.g. Schmitz, Atmos/Baisch)
BG000160	Swing-o-matic stand without column for chair mounting (e.g. Maquet Radius)
BG000180	Swing-o-matic stand with long column for examination tables, for example
BG000135	Balance-o-matic stand for wheel or chair mounting
B0001500	Heavy 5-wheel spider base
B0004411	Tray for Swing-o-matic stand and Balance-o-matic stand; to attach tray to chair mounted swing-o-matic stand, please contact our customer service!
Special Mounting	
B0001010	Special mounting Atmos Chair Gyne (Baisch) for Swing-o-matic stand and Balance-o-matic stand
BG001010	Special mounting Maquet Radius chair for Swing-o-matic stand
BG001020	Special mounting Maquet Radius chair for Balance-o-matic stand

Item Number	Description
Associated equipment¹	
E0000270	Video camera (manufacturer: Point Grey), 1.3 Megapixel, 1/3" CCD, C-Mount
K0001000	Canon EOS SLR Digital camera (Manufacturer: Canon), from Model EOS 550, 18 Megapixel, LiveView, only incl. T2 adaptor, without Canon lens
B0004260	Video tube for 1/3" to 1/2" cameras
B0004270	Video tube for video camera (Item no. E0000270)
E0000617	Photo tube 41 mm for T2 adaptor
B0002440	Photo/video adapter VID (x 15 fixed magnification)
K0004417	LeiseCap software Standard, pre-configured on a laptop (manufacturer: DELL), with Windows OS, German keyboard; incl. Dongle and foot switch
K0004418	LeiseCap software Standard, pre-configured on a laptop (manufacturer: DELL), with Windows OS, English keyboard; incl. dongle and foot switch
K0004423	LeiseCap Software – Card Reader module
K0004422	LeiseCap Software – Dictionary module
K0004428	LeiseCap Software – Canon EOS module
K0004424	LeiseCap Software – GDT / BDT module
K0004430	LeiseCap Software – Power Point Export module
K0004429	LeiseCap Software – Word Export module
K0004425	LeiseCap Software – Letter Management module
K0004427	LeiseCap Software – Address Book module
K0004426	LeiseCap Software – Document Database module
K0004407	Basic image viewing software ColpoSoft for video camera

¹ Manufacturers of third party products are named

Training Centre

Leisegang offers individual training courses in colposcopy, our colposcopes, Associated Equipment, LEEP and Cryosurgery to domestic and foreign sellers as well as interested doctors.

In our training centre we also present our ColpoSuite (see page 22/23 of this catalog).

Training courses take place in our training centre in Berlin. Dates can be found on our website www.leisegang.de.

If you are interested in training in your own country, please contact our Leisegang Team (+49 30 319 009 0 or info@leisegang.de).

Furthermore, it is also possible to take part in a training course at CooperSurgical in Trumbull, CT, USA. Please contact us and we will arrange an appointment for you.

We look forward to your visit!

Your Leisegang Team

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A member of



Regulatory and legal advice:

According to Annex IX of the 93/42/EEC Medical Devices Directive, Leisegang colposcopes are class I medical devices. Leisegang Feinmechanik-Optik GmbH has provided evidence in a conformity assessment procedure according to Annex VII of the Medical Devices Directive that Leisegang colposcopes meet the essential requirements as in Annex I of this Directive. All devices carry the CE mark, signifying compliance with these requirements.

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Just scan the QR code with a smart phone
and a QR code app.



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with compliments

