Wild M8
Zoom stereomicroscope

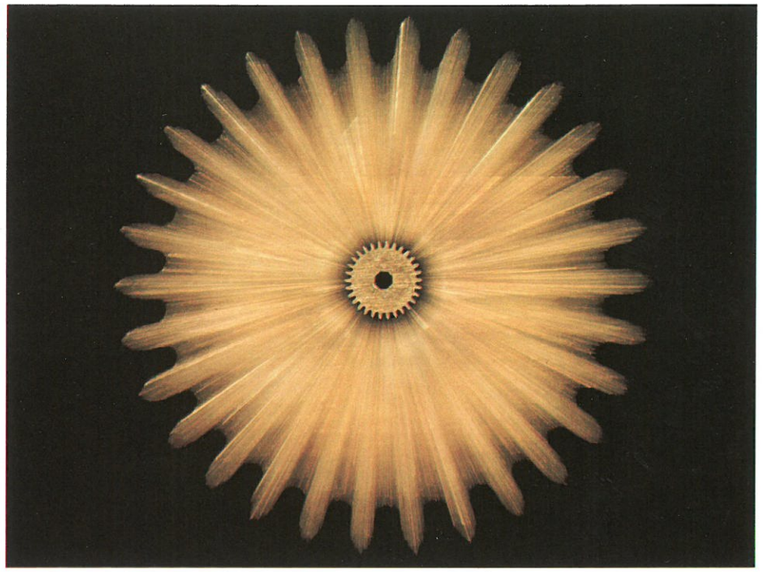
WILD
HEERBRUGG



Wild M8

New, high-grade, all-purpose zoom stereomicroscope . . . .

The new Wild M8 zoom stereomicroscope is a top-class product. Its excellent optics, its versatility, convenience and adaptability, reinforce its position as a first-rate instrument for research, routine examinations, and production control.

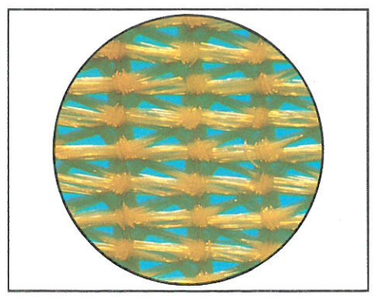


. . . . with 1 : 8 zoom range

The high-quality intermediate optics have enabled the Wild M8 to be designed with a zoom range as great as 1 : 8. After the focussing has been properly set, the magnification and format limits of the image are selected by turning the knurled bilateral knobs of the magnification changer, and the image remains in focus. Furthermore, click-stops can be engaged at the magnification positions 6x, 12x, 25x and 50x. These positions, and the others on the drum, relate to the total magnifications produced if 10x eyepieces are used.

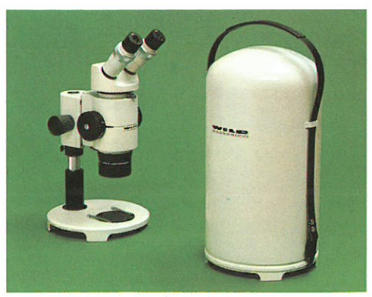
. . . . with excellent image quality and large field of view

The new, five-lens main objective gives an optimum image, virtually free of distortion and chromatic aberration. In the large, flat field of view, the upright, laterally-correct image of the object is magnified between 2.4 and 160 times. The two eyepieces are separately adjustable for the visual acuity and interpupillary distance of the observer.



. . . . with a metal hood which protects it well

The metal hood of the Wild M8 protects the instrument from dust, climatic effects and mechanical damage. Together with the baseplate of the incident-light outfit, it forms a compact unit. The instrument can therefore be carried around easily and safely.



. . . adaptable due to modular design

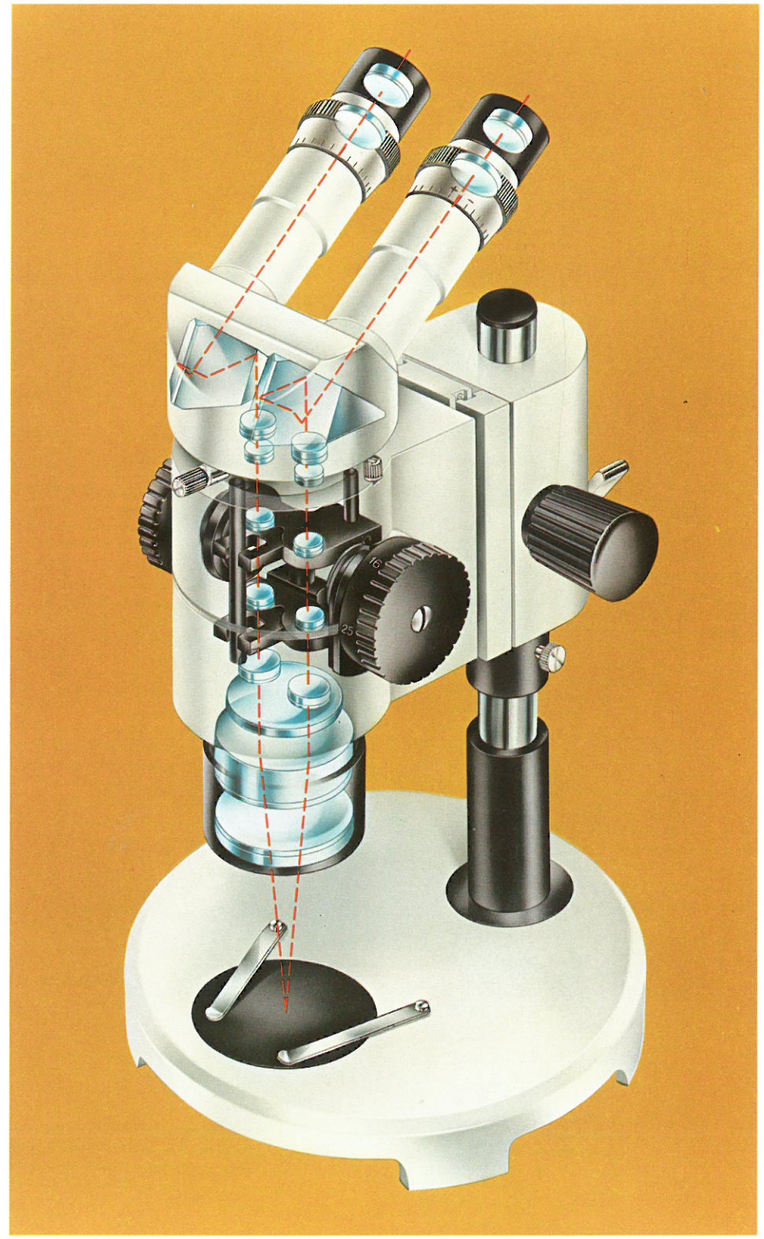
Modular construction has been used in designing all the components of the Wild M8. The interchangeable elements can be combined to form various outfits.

The following double page shows four of these combinations as complete standard outfits, including stands, optics and illumination systems. A general description of the various interchangeable stages is given on page 12. The accessories available for the Wild M8 are shown on pages 16–17.

. . . and with advantages in photomicrography.

Photomicrography is favoured by the high overall image quality of the M8 main objective, and by the stepless selection of format limits and magnification. Being mounted on a dovetail ring, the inclined binocular tube can be separated from the optics carrier, and consequently the monocular or trinocular photographic outfit can be mounted on the M8.

The design of the M8 is based on that of all of the other Wild stereomicroscopes: two separate optical trains are used to produce a spatial image of a three-dimensional specimen. The stereo image, and the large working distance (up to 180 mm), are a help when the object has to be manipulated during observation. The maintenance-free drive housing has newly-designed ball-bearing slides.



Wild M8 incident-light outfit

Besides the main elements, which are identical for all outfits (Wild M8 zoom stereomicroscope with built-on, maintenance-free drive housing, inclined binocular tube, 10x eyepieces), the standard outfit includes the incident light stand, an incident illuminator and a metal hood. Stock number for the complete outfit as shown below: 373 775.



Stand

The incident-light stand for the Wild M8 is made up of a rigid circular baseplate and a column 250 mm or 300 mm long. The baseplate accepts a protective metal hood with which the stereomicroscope can easily be carried. In the baseplate is a cutout for a black/white metal stage plate, and two stage clips are supplied. Depending on the particular application of the instrument, one type of stage or another can be substituted for the metal plate. These stages are described on page 12.

The instrument can be swung sideways 30° on the column, and is protected by the safety ring and the sleeve against damage caused by rough handling.

The incident-light stand with 250 mm column is essentially the standard outfit and can be used at the normal working distance of 87 mm for most specimens.

The 300 mm column is used for very thick specimens or if the stand has been fitted with a supplementary stage.

Optics

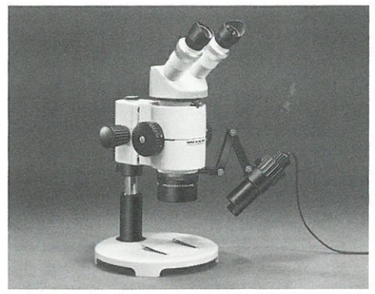
The M8 stereomicroscope is normally supplied with 10x eyepieces, when its basic magnification range is 6x to 50x.

The 15x and 20x wide-field eyepieces are available for higher magnifications.

The overall magnification range of the standard incident-light outfit can be further increased by using the 1.6x additional objective.

Further details of working distances, total magnifications and field diameters are on page 13.

Illuminators

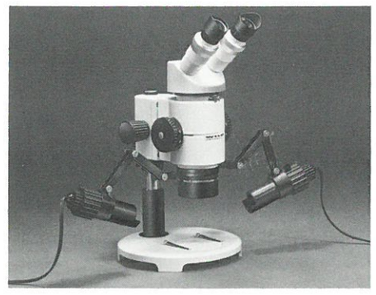


Single incident illuminator
This incident illuminator consists of a lampholder and a 6V/15W low-voltage lamp, which is fed through either a step transformer or a regulating transformer and can be used for the whole magnification range. The filament-to-collector distance is variable, and so the illuminated surface can be matched to the specimen. The filter holder of the lamp takes two filters of 32 mm diameter. A filter-securing ring (325 625) can be supplied; it prevents the filters from falling out when the lamp is tilted steeply.

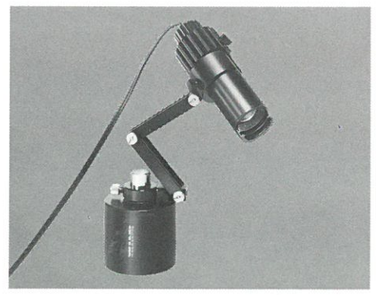
The lampholder, which is secured over the main objective, enables the lamp to be rotated 300° around the main objective, swung sideways, and inclined in any position.

Optical accessories for incident light outfit.

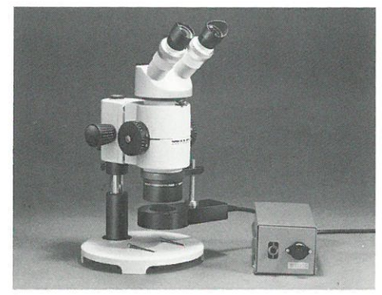




Double incident illuminator
A second, identical lampholder can be mounted above the main objective; the two lampholders can be moved separately and can be arranged at any angle to one another.
This type of illumination, which reduces shadows, is primarily for use in photomicrography with incident-light outfits.



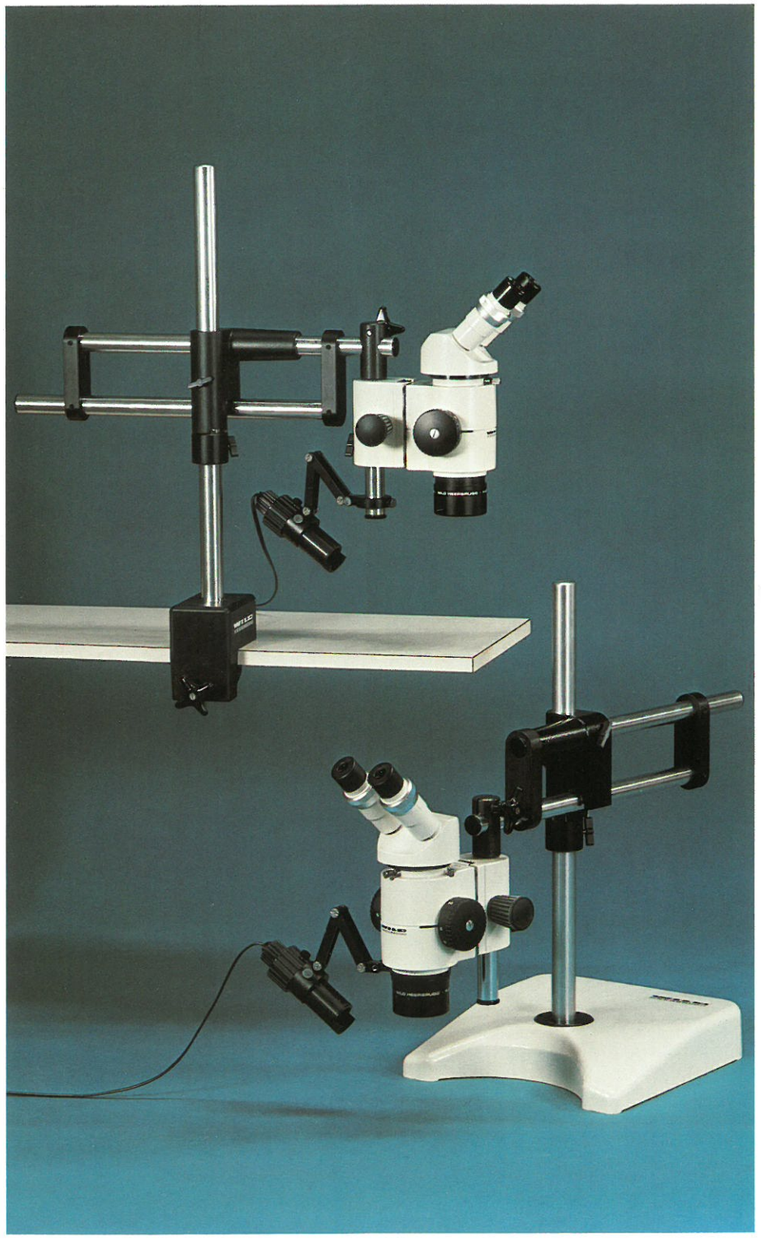
Free-standing illuminator
This incident illuminator consists of a cast base which bears a short column (315 271) for mounting the lampholder (366 617) with a suitable adapter. A low-voltage lamp fits into the lampholder. The free-standing illuminator is used mainly for observing larger objects, and where the lamp needs to be separate from the instrument.



Ring illuminator (373 772)
The ring illuminator, which is furnished with a neon tube, gives shadow-free light similar in quality to daylight. It is connected to the mains (line) by means of a supply unit and is mounted over the main objective; the lamp-to-object distance is adjustable. The light is bright enough for observations up to 50x.

Wild M8 incident-light outfit with the swinging-arm or table clamp stand

This incident-light outfit is for very large objects and for situations involving considerable working distances. It consists of the interchangeable central elements (Wild M8 zoom stereomicroscope with built-on, maintenance-free drive housing, inclined binocular tube and 10x eyepieces) and either a swinging-arm or table clamp stand. Stock number for the complete outfit with swinging-arm stand as shown below: 374 959.



Stands

Large swinging-arm stand (374 924)
The large swinging-arm stand comprises a firm 310 x 330 mm base with incorporated counterweight, a 530 mm long vertical column, and a horizontal arm of 450 mm maximum overhang with a carrier rod to take the stereomicroscope. The carrier rod, which has a safety screw, can be fixed to either the upper or the lower bar of the horizontal arm, depending on the working distance required. The sliding double bar of the horizontal arm, and its Teflon gliders, render the instrument readily movable without torsion, but it can be firmly clamped. The horizontal arm can be fixed at any height on the vertical column, and swung sideways. A safety ring, which prevents the microscope from sliding down if mishandled, serves also as a lateral stop. It permits movement of 30° in the horizontal plane with a maximum loading of 10kp when the horizontal arm is fully raised and completely extended.

Large table clamp stand (374 927)
The table clamp stand is identical to the swinging-arm stand, but instead of a cast base it has a clamp for fixing the stand to tables 20–50 mm thick. The stand is used mainly where the working location is permanent; it has the same adjustment possibilities as the table clamp stand.

Optics



The M8 stereomicroscope is normally supplied with 10x eyepieces, and its basic magnification range is then 6x to 50x.

The 15x and 20x wide-field eyepieces are available for higher magnifications.

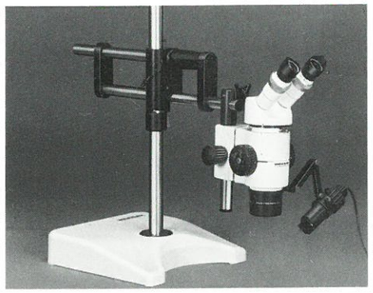
Incident-light outfits mounted on the swinging-arm or table clamp stands can be fitted with 0.4x or 1.6x additional objectives which will correspondingly extend the overall magnification range. The 0.4x additional objective increases the working distance considerably.

Details of working distances, total magnifications and field diameters are on page 13.

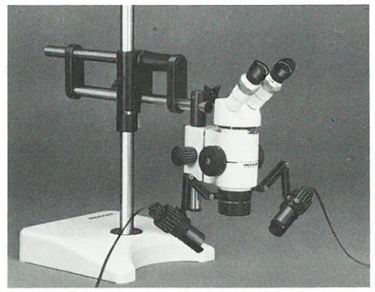
Lichen (scale 10:1).



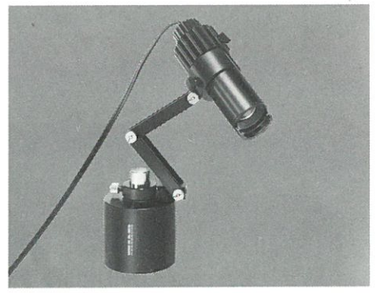
Illuminators



Single incident illuminator
This incident illuminator consists of a lampholder and a 6V/15W low-voltage lamp, which is fed through either a step transformer or a regulating transformer and can be used for the whole magnification range. It is identical with the single incident illuminator on page 5.



Double incident illuminator
A second, identical lampholder can be mounted on the main objective; the two lampholders can be moved separately and can be arranged at any angle to one another.
This type of illumination, which reduces shadows, is primarily for use in photomicrography with incident-light outfits.



Free-standing illuminator
This incident illuminator consists of a cast base which bears a short column (315 271) for mounting the lampholder (366 617) with a suitable adapter. A low-voltage lamp fits into the lampholder. The free-standing illuminator is used mainly for observing larger objects, and where the lamp needs to be separate from the instrument.

Wild M8 transmitted-light outfit, bright field

The transmitted-light outfit for bright field combines the central elements, which are the same for all outfits (Wild M8 zoom stereomicroscope, drive housing, inclined binocular tube, 10x eyepieces), with the transmitted-light stand and transmitted illuminator. Stock number for the complete standard outfit as shown below: 373 778.



Stand

The transmitted-light stand of the Wild M8 consists of a rigid base and a column 250 mm or 300 mm long.

The source of transmitted-light is a low-voltage lamp inserted into the base.

A tiltable mirror deflects the light into the specimen plane. There is a cutout in the base for a stage plate of frosted glass or of acrylic plastic, and two stage clips are supplied.

Depending on the particular application of the instrument, one type of stage or another can be substituted for the glass stage plate. These stages are described on page 12.

The instrument can be swung sideways 30° on the column. The safety ring and the sleeve protect the stereomicroscope against damage caused by rough handling.

The transmitted-light stand with 250 mm column is essentially the standard outfit and can be used at the normal working distance of 87 mm for most specimens.

The 300 mm column is used if the stand has been fitted with a supplementary stage.

Optics



The M8 stereomicroscope is normally supplied with 10x eyepieces, and its basic magnification range is then 6x to 50x.

The 15x and 20x wide-field eyepieces are available for higher magnifications.

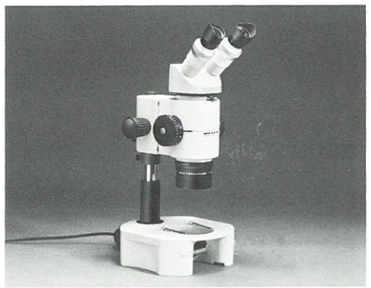
The overall magnification range of the transmitted-light outfit can be further increased by using the 1.6x additional objective.

Further details of working distances, total magnifications and field diameters are on page 13.

Spinal cord, human (scale 15:1).

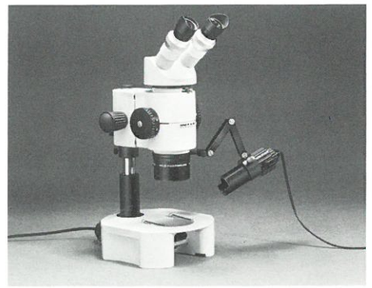


Illuminators

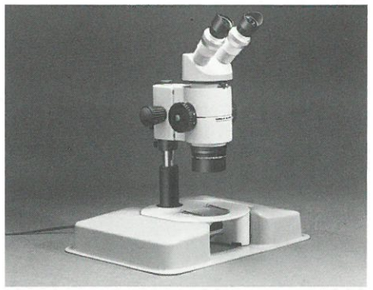


Transmitted illuminator
For transmitted illumination, a 6V/15W low-voltage lamp is inserted into the port provided in the transmitted-light stand.

The lamp, which is fed through either a step transformer or a regulating transformer, can be used for the whole magnification range. The filament-to-collector distance is variable, and so the illuminated surface can be matched to the specimen. The filter holder of the lamp takes two filters of 32 mm diameter.



Incident and transmitted light combined
The transmitted-light stand can also be used for observations in incident light. For this purpose, a lampholder is mounted over the main objective, and a low-voltage lamp is fitted into it. This lampholder enables the lamp to be rotated 300° around the main objective, swung sideways, and inclined in any position.
For some specimens (e.g. textiles), combined incident and transmitted illumination has marked advantages.

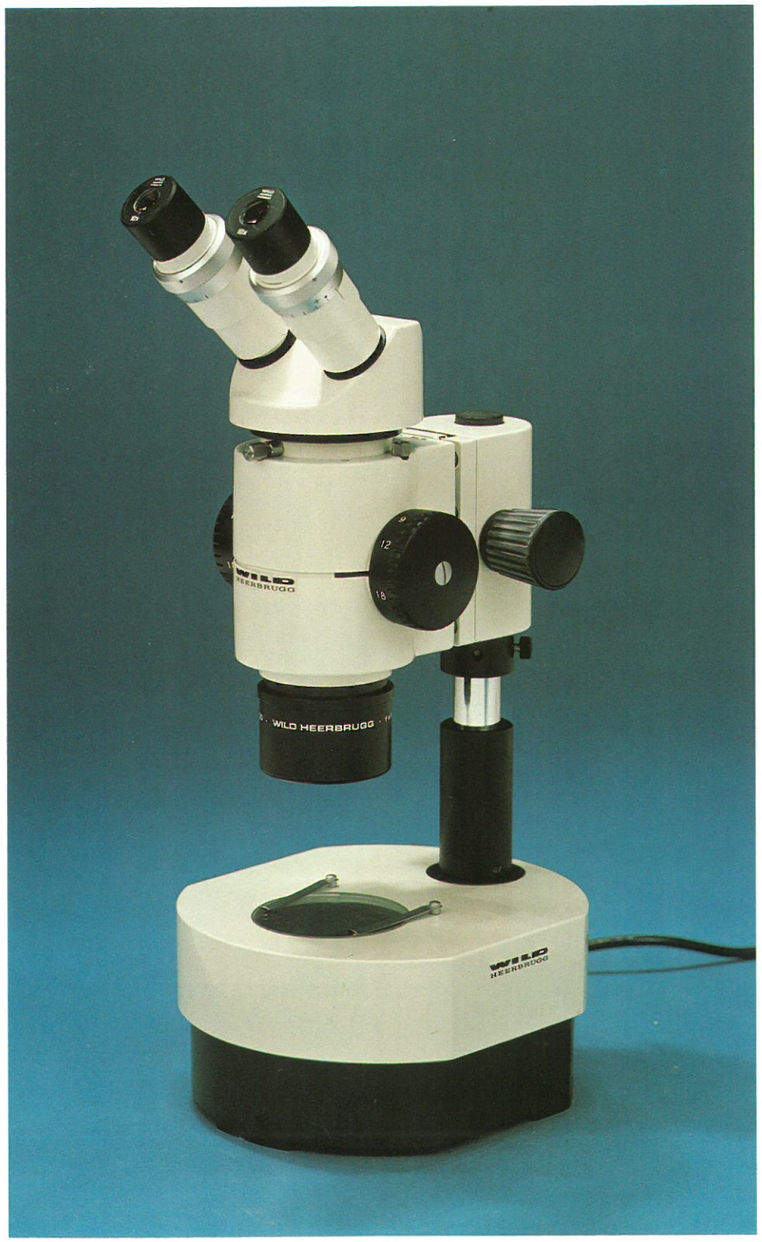


Two low-voltage lamps are then used, and both are fed by the same transformer.

Handrest (325 683)
A dish-shaped handrest of plastic is available for use with the transmitted-light stand. It surrounds the entire baseplate and presents a broad, firm surface.

Wild M8 transmitted-light outfit for bright and dark field

The transmitted-light outfit for bright and dark field offers the user the choice of viewing specimens in bright or dark field. Besides the central elements, which are included in every outfit (Wild M8 zoom stereomicroscope with drive housing, inclined binocular tube, 10x eyepieces), a transmitted-light stand with bright and dark field illumination completes this outfit. Stock number for the complete standard outfit as shown below: 380 807.



Stand

The bright field/dark field stand is made up of a rigid base and a column 250 mm or 300 mm long.

The light source is a built-in 12V/100W halogen lamp, which uniformly illuminates the entire field of view. The transmitted-light stand for bright and dark field is supplied with a clear glass stage plate and with two stage clips.

Instead of the clear glass stage plate, one of the various stages can be fitted into the base, according to requirements. These stages are described on page 12.

The instrument can be swung sideways 30° on the column. The safety ring and the sleeve protect the stereomicroscope against damage caused by rough handling.

The transmitted-light stand for bright and dark field, with 250 mm column, is essentially the standard outfit and can be used at the normal working distance of 87 mm for most specimens. The 300 mm column is used if the stand has been fitted with a supplementary stage.

Optics



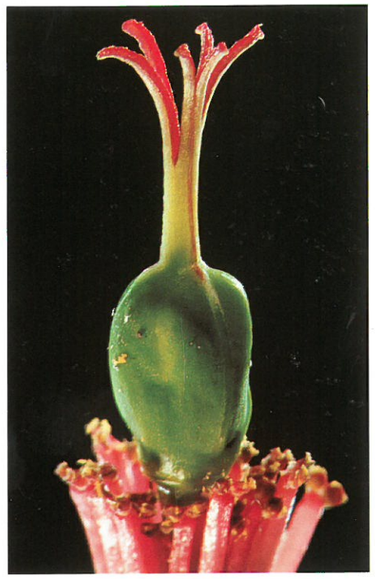
The M8 stereomicroscope is normally supplied with 10x eyepieces, and its basic magnification range is then 6x to 50x.

The 15x and 20x wide-field eyepieces are available for higher magnifications.

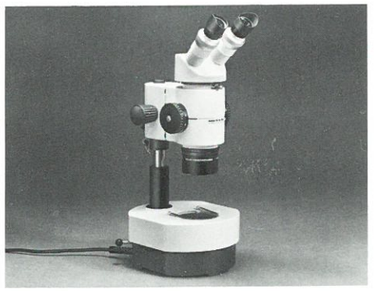
The overall magnification range of the transmitted-light outfit for bright and dark field can be appreciably increased by using the 1.6x additional objective.

Further details of working distances, total magnifications and field diameters are on page 13.

Pistil, Euphorbia pulcherrima (scale 9:1).

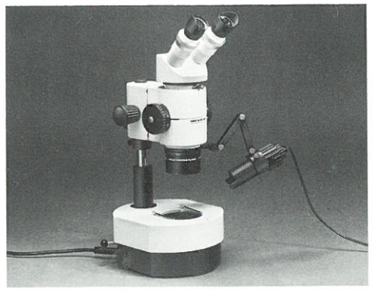


Illuminators



Transmitted illuminator for bright and dark field

This powerful lamp illuminates the field of view uniformly. The light source is a built-in 12V/100W halogen bulb, cooled by a fan which is on the same electrical circuit.
Because its colour temperature (3300° K) corresponds to the sensitivity of artificial light film, the lamp is particularly suitable for photomicrography.
The setting is altered from bright field to dark field by means of a lever.



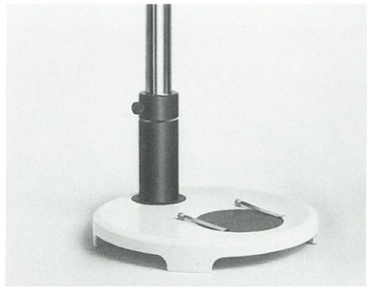
Incident and transmitted light combined

The transmitted-light stand for bright and dark field can also be used for observations in incident light. For this purpose, a lampholder is mounted over the main objective, and a low-voltage lamp is fitted into it. This lampholder enables the lamp to be rotated 300° around the main objective, swung sideways, and inclined in any position.
The low-voltage lamp, which is fed through either a step transformer or a regulating transformer, can be used for the whole magnification range.
The filament-to-collector distance is variable, and so the illuminated surface can be matched to the specimen.

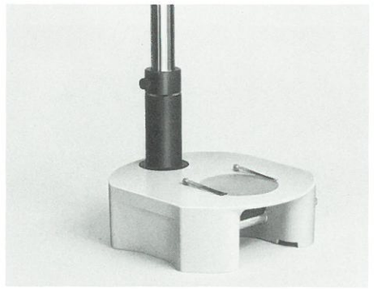
The filter holder of the lamp will accept two filters of 32 mm diameter.

For some specimens (e.g. textiles), combined incident and transmitted illumination has marked advantages. Two low-voltage lamps are then used, and both are fed by the same transformer.

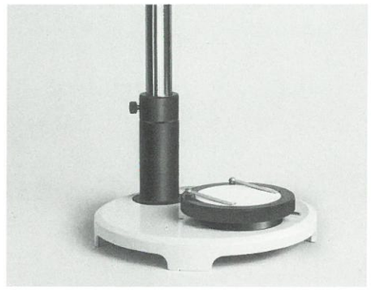
Stages



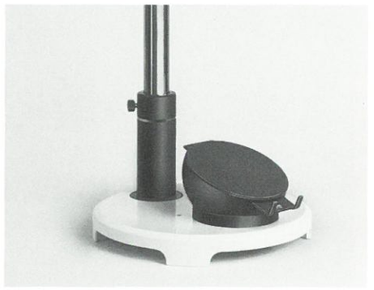
Metal stage plate (153 419)



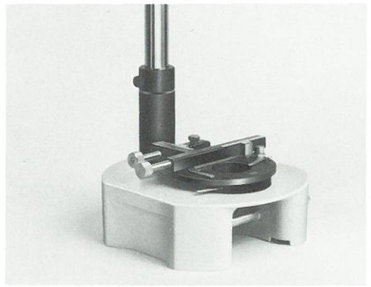
Glass stage plate



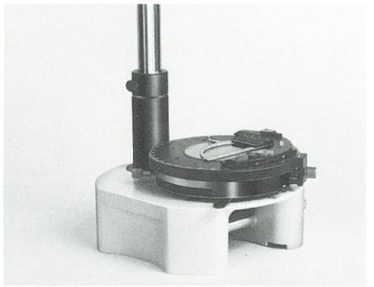
Gliding stage (234 461)



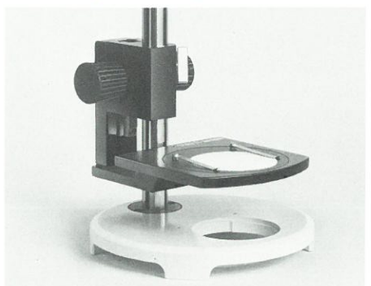
Cup stage (222 275)



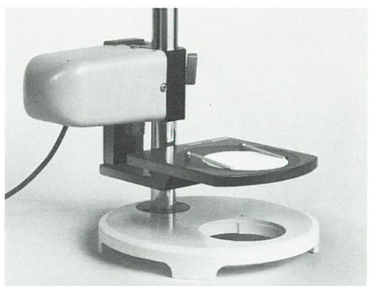
Attachable mechanical stage C (198 081)



Rotating polarisation stage (368 078)



Hand-focussed stage carrier (374 547)



Motor-focussed stage carrier (374 960)

Metal stage plate (153 419)
All incident-light stands are supplied complete with a metal stage plate and with two stage clips.The plate is black on one side and white on the other.

Glass stage plates
Glass stage plate, frosted (108 122). It is supplied along with two stage clips with each transmitted-light stand.
Glass stage plate, clear (234 460). This, with two stage clips, is part of the standard outfit of the transmitted-light stands for bright and dark field.
Acrylic plastic stage plate, opal (198 275). This is supplied on demand as an extra.

Gliding stage (234 461)
Specimens on the gliding stage can be quickly moved in any direction and can also be rotated. This stage will accept either the metal stage plate or a glass stage plate

Cup stage (222 275)
Because it can be tilted in all directions, the cup stage is particularly useful for observing petri-dish cultures, rock samples, insects and other specimens which have interesting structures in three dimensions. A special holder is provided for petri-dishes, and the rubber-covered surface of the stage allows specimens such as insects to be pinned in position.

Attachable mechanical stage C (198 081)
This stage is useful for systematically scanning material mounted on 3 x 1" glass slides. It is to be attached to the baseplate of the microscope stand using the stage carrier (191 952).

Rotating Pol. stage (368 078)
The rotating Pol. stage has a swing-out polariser and a clear glass stage plate. A first-order red compensator (361 719) can be fitted, and also an attachable point-counting stage Cp (250 300).

Hand-focussed stage carrier (374 547)
This stage carrier can be used on all incident- and transmitted-light stands. The bilateral drive knobs are used for focussing, and the tube height therefore remains unchanged. The stage carrier is most useful in television microscopy, but also has advantages for drawing and comparison.

Motor-focussed stage carrier (374 960)
This is designed like the hand-focussed stage carrier, but instead of the drive knobs a motor, controlled by a footpedal, is fitted. Consequently, both hands are free to manipulate the object. See brochure M1 400e.

Technical data

Eye-piece	Additional objective	Working distance	Total magnification / field diameter at zoom position: 6	12	25	50
10x		87 mm	6 x/33.8 mm	12 x/17.5 mm	25 x/ 8.4 mm	50x/ 4.2 mm
15x		87 mm	9 x/26.8 mm	18 x/14.2 mm	37.5x/ 6.8 mm	75x/ 3.4 mm
20x		87 mm	12 x/20.7 mm	24 x/10.8 mm	50 x/ 5.2 mm	100x/ 2.6 mm
10x	0.4	180 mm	2.4x/88.2 mm	4.8x/43.7 mm	10 x/21 mm	20x/10.5 mm
15x	0.4	180 mm	3.6x/70.0 mm	7.2x/35.4 mm	15 x/17 mm	30x/ 8.5 mm
20x	0.4	180 mm	4.8x/53.0 mm	9.6x/27.0 mm	20 x/13 mm	40x/ 6.5 mm
10x	1.6	25 mm	9.6x/20.4 mm	19.2x/10.9 mm	40 x/ 5.2 mm	80x/ 2.6 mm
15x	1.6	25 mm	14.4x/16.2 mm	28.8x/ 8.8 mm	60 x/ 4.2 mm	120x/ 2.1 mm
20x	1.6	25 mm	19.2x/12.5 mm	38.4x/ 6.8 mm	80 x/ 3.2 mm	160x/ 1.6 mm

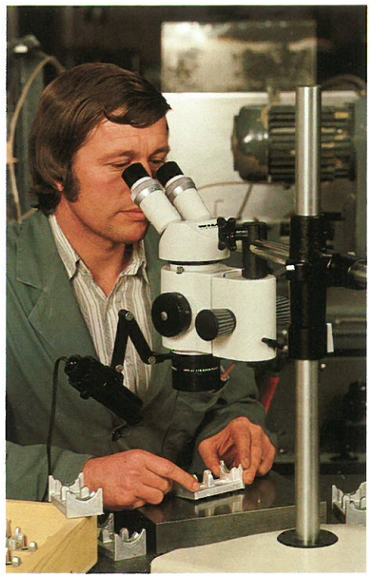


Wild M8 zoom stereomicroscope for . . . . .

. . . . examining surfaces

The three-dimensional image produced by the stereomicroscope is ideal for inspecting surfaces. Grain, planity, cracks, breaks, scratches, imprints and impact marks are seen in depth when inclined illumination is used.

The Wild M8 stereomicroscope can be equipped with a complete incident light outfit for such purposes. The lamps, which are freely adjustable, permit near-lateral illumination and bring out the surface structures. The swinging-arm stand and



the table clamp stand are useful for large specimens and extended surfaces.

If a photomicrographic outfit is fitted on the M8, the properties of the surface can be recorded in either black-and-white or in colour, using any commercially-available film format.

. . . . production control in the watch industry



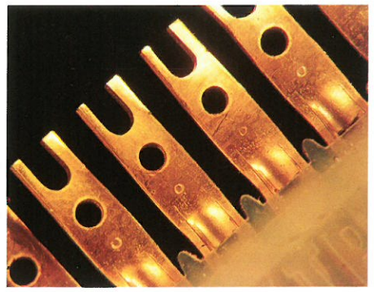
Two eyes looking down a stereomicroscope see different images of the same minute feature. The information is fused by the brain into a single three-dimensional image.

Because the Wild M8 stereomicroscope maintains the natural link between accommodation and convergence, it can be used for long periods for examining small components (e.g. in the horological industry) without producing eyestrain.

The fringe-free image, the conveniently-arranged controls, the large working distance and the free choice of format limits, all help to make the work easier.

In addition, the ring lamp of the Wild M8 produces uniform, shadow-free illumination and enables components and assemblages to be carefully and comfortably examined.

. . . . checking electronics components



The miniaturisation of electronics components makes meticulous and clean work very important.

The electronics specialist requires various types of testing equipment for the different stages of manufacture.

The stereomicroscope has become indispensable for checking the cleanliness of circuit boards, for electrical testing, for inspecting soldered joints in integrated circuits, and for many other functions in electronics manufacture and control.

The incident light outfit of the Wild M8 zoom stereomicroscope, with its 1 : 8 zoom magnification changer and its 1.6x additional objective, is particularly suitable for these applications and, because of its versatility, for use by electronics personnel.



Above: Contacts (scale 3:1).
Left: Watch component (scale 5:1).

. . . . botanical investigations

The broad discipline of botany calls for a universal instrument for the microscopical examination, photography and measurement of, among other things, large objects, often in situ.

Laboratory cultures, e.g. micro-organisms such as fungi, algae and bacteria grown in petri dishes, should preferably be examined at low magnifications to determine the presence of mixed cultures, contamination and surface structure.



The Wild M8 zoom stereomicroscope is such an instrument; it has additional objectives, various stands for maintaining a large working distance, and also outfits for photomicrography and measuring.

The stereomicroscope is well protected by a metal hood and can therefore be used as a field instrument.

. . . . zoological investigations



A stereomicroscope for use in zoological research needs to give not only an overall impression of a specimen, but also information about fine structures. Either incident or transmitted light may be necessary, depending on the type of specimen.

Organs, inclusions and the structures of transparent matter are seen clearly in transmitted light using bright or dark field.

Double-refracting substances, which are very commonly encountered in zoological research, must be examined in polarised light.

If both hands are occupied with sample preparation work, a motor-driven stage controlled by a footswitch becomes indispensable. For large specimens, a swinging-arm or table clamp stand has to be used.

The Wild M8 zoom stereomicroscope can be equipped with the right outfit for any of these applications.

. . . . and pathological investigations.



The varied work of the pathologist needs to be paralleled by the versatility of the stereomicroscope with which very diverse specimens are to be investigated.

A polarisation outfit is just as important for recognizing double-refracting substances (calcifications or crystalline separations) as is a bright/dark field transmitted-light outfit for assessing inclusions (e.g. hyaline).

In addition to its high-quality optics, the Wild M8 zoom stereomicroscope is notable for its comprehensive range of illuminators and ancillary equipment. All parts can be ordered individually and can also be used to extend the Wild M3 and M7A stereomicroscopes, thus ensuring a high degree of adaptability and flexibility.



Above: Colon, human (scale 5:1).
Left: Larva, longhorn beetle (scale 5:1).

Additional equipment

The modular construction of the Wild M8 zoom stereomicroscope and its wide range of accessories make it possible to use various microscopy techniques cheaply and easily with the same instrument.



Photomicrography

The design of the instrument, its excellently-corrected optical system and its extensive range of accessories, render the M8 zoom stereomicroscope particularly suitable for photomicrography. The stepless magnification changer enables the format limits to be varied at will.

The equipment can be put together as either a monocular or a trinocular assembly; there is a choice between the conventional camera MKa1 with built-in photocell and mechanical shutter, and the Photoautomat MKa4 with fully-automatic exposure control and automatic film transport after each exposure of the 35 mm magazine. Additional details about photomicrography are to be found in the brochure M1 610e.

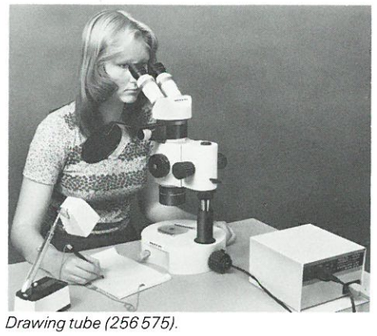
Drawing

A drawing tube is available for the M8 zoom stereomicroscope. It consists of a tube and a surface-silvered mirror, and is fitted between the optics carrier and the binocular tube.

Both eyes are used; down one of the eyepieces the drawing surface is seen erect and laterally correct, superimposed on the image of the specimen.

Use of the drawing tube does not alter the total magnification of the stereomicroscope.

Further information about the use of the drawing tube is in brochure M1 722e.



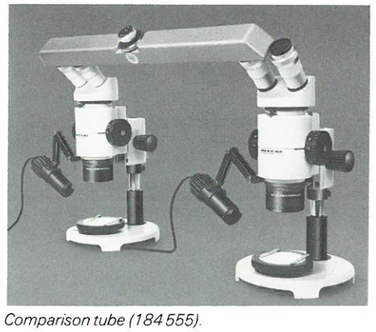
Drawing tube (256 575).

Comparison

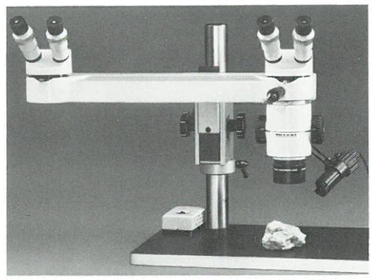
The comparison tube can be fitted to a pair of identical stereomicroscopes equipped with inclined binocular tubes or with two phototubes. The two specimens are imaged in the two halves of a common field of view, so that they can easily be compared.

The specimens can be centred more easily if gliding stages are fitted. If objects of differing thicknesses often need to be compared, it is worth using two hand-focussed stage carriers.

For additional details, see brochure M1 730e.



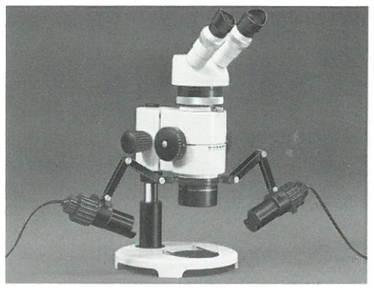
Comparison tube (184 555).



Wild M8 discussion stereomicroscope (374 942)

Wild M8 discussion stereomicroscope

The Wild M8 discussion stereomicroscope enables two people to observe a specimen simultaneously in three dimensions.
The equipment comprises a rigid stand with a 52 cm x 34 cm baseplate which serves as a working surface, an M8 optics carrier, a discussion tube with built-in light pointer, and two binocular tubes each with both eyetubes adjustable. Eyepieces and objectives can be freely selected, so that the outfit can be matched to the appropriate working distance and magnification range. Because the stereoscopic image is erect and laterally correct, the movable light pointer can readily be used during the discussion of a specimen or for describing a sequence of operations.



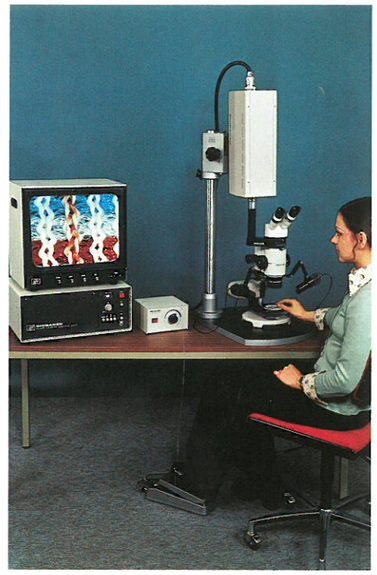
Double iris diaphragm (214 120)

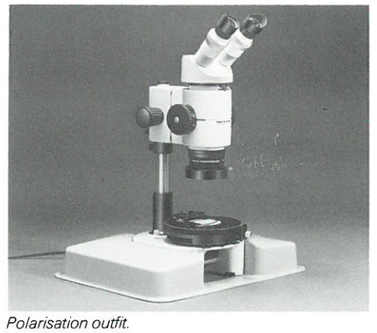
Double iris diaphragm

A double iris diaphragm, easily fitted between the optics carrier and the binocular tube, is available. It is used to increase depth of field in visual observation and for photomicrography. The appropriate depth of field for the specimen is set by altering the aperture of the iris diaphragms.

Television microscopy

A television outfit is ideal for demonstrating a microscopic image to a large number of people.
The tube, stage carrier (hand- or motor-focussed) and camera stand are chosen according to circumstances and enable the television camera to be aligned to the stereomicroscope.
The zoom magnification changer of the M8 again has advantages here, and enables the format limits to be matched to the perimeter of the monitor.
Systems for television microscopy are described in detail in our brochures M1 621e and M1 720e.



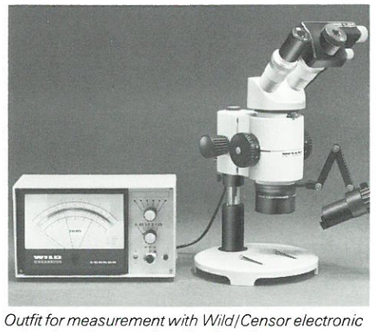


Polarisation outfit.

Polarisation

There are various possibilities for polarised light work. The simplest outfit consists of a polariser on a glass stage plate(221 814) which fits into all transmitted-light stands, and an analyser in mount (367 929) which is to be clamped to the main objective.

A more advanced outfit comprises a transmitted-light stand with 300 mm column (374 967), a rotating Pol. stage with polariser (368 078) and attachable first-order compensator (361 719), the attachable point-counting stage Cp with two click stops (250 300), the analyser (367 929) and a 10x wide-field eyepiece with crosshair (255 502).



Outfit for measurement with Wild/Censor electronic micro-length measuring attachment.

Measuring and counting

The 10x and 20x wide-field measuring eyepieces can be fitted with various scales and grids, and are calibrated against the stage micrometer (310 345).

The M8 zoom stereomicroscope can be set to a drum position at which an interval in the eyepiece graticule is equivalent to a round figure in millimetres.

The Wild/Censor micro-length measuring attachment enables small distances to be directly read off quickly, accurately, and in millimetres.

The possibilities for measuring and counting are described in brochure M1 510e.

Catalogue references

These two pages list the complete manufacturing programme for the Wild M8 zoom stereomicroscope and describe how the individual elements can be combined to meet particular requirements. The assembly diagram shows how components can be interchanged, and helps you in putting them together to form a complete outfit.

Stock no.

373 764 1 Optics carrier for M8 with drive housing, main objective and zoom magnification changer 1 : 8
366 164 1 Inclined binocular tube
315 254 1 Metal hood

Stands

373 767 1 Incident-light stand for M8 with 250 mm column, metal stage plate and two stage clips
374 966 1 Incident-light stand for M8 with 300 mm column, metal stage plate and two stage clips
373 768 1 Transmitted-light stand for M8 with 250 mm column, frosted glass stage plate and two stage clips
374 967 1 Transmitted-light stand for M8 with 300 mm column, frosted glass stage plate and two stage clips
325 683 1 Handrest
373 769 1 Transmitted-light stand (bright/dark field) for M8, with 250 mm column, regulating transformer 110–250V, spare bulb and two stage clips
374 968 1 Transmitted-light stand (bright/dark field) for M8, with 300 mm column, regulating transformer 110–250V, spare bulb and two stage clips
374 924 1 Large swinging-arm stand for M8
374 927 1 Large table-clamp stand for M8
374 542 1 Carrier rod for M8

Stages

177 165 1 Stage clip
153 419 1 Metal stage plate, black/white
234 460 1 Glass stage plate, clear
108 122 1 Glass stage plate, frosted
198 275 1 Acrylic plastic stage plate, opal
222 275 1 Cup stage
234 461 1 Gliding stage
191 952 1 Stage carrier for mechanical stage C
198 081 1 Attachable mechanical stage C
368 078 1 Rotating Pol. stage with polariser and clear glass stage plate
250 300 1 Attachable point-counting stage Cp with click stops, interval 0.2 mm
374 547 1 Hand-focussed stage carrier for M8
374 960 1 Motor-focussed stage carrier for M8, including footswitch and mains (line) cable

Optics

367 898 1 Additional objective 0.4x
367 916 1 Additional objective 1.6x
192 620 1 Wide-field eyepiece 10x/21
175 133 1 Wide-field eyepiece 15x/17
202 210 1 Wide-field eyepiece 20x/13
202 216 1 Wide-field measuring eyepiece 10x, for graticules diam. 23 mm
255 501 1 Wide-field measuring eyepiece 10x, with scale 12 mm : 120 and crosshair
255 502 1 Wide-field measuring eyepiece 10x with crosshair
175 135 1 Wide-field measuring eyepiece 20x, for graticules diam. 16 mm
255 503 1 Wide-field measuring eyepiece 20x, with scale 5 mm : 100
213 092 1 Wide-field goniometer eyepiece 10x
125 935 1 Eyepiece adapter ring for eyepieces diam. 23 mm
127 580 1 Graticule with scale 12 mm : 120, diam. 23 mm

Stock no.

127 581 1 Crosshair graticule, diam. 23 mm
127 578 1 Graticule with grid 100 x 1 mm², diam. 23 mm
127 579 1 Graticule with grid 400 x 0.25 mm², diam. 23 mm
128 402 1 Graticule with scale 10 mm : 100, diam. 16 mm
127 572 1 Graticule with scale 5 mm : 100, diam. 16 mm
175 141 1 Graticule with grid 25 x 1 mm², diam. 16 mm
175 143 1 Graticule with grid 100 x 1 mm², diam. 16 mm
175 145 1 Crosshair graticule, diam. 16 mm

330372 1 Electronic micro-length measuring attachment, 110–250V, Wild/Censor, for stereomicroscopes, comprising:

330 070 Meter unit 110–250V with mains cable, for Wild/Censor
325 400 Measuring eyepiece 10x for stereomicroscopes used with Wild/Censor, in case
280 636 1 Mains cable
350 820 1 Matching eyepiece 10x for measuring eyepiece of Wild/Censor
310 345 1 Stage micrometer for stereomicroscopes, 50 mm scale with 0.1 mm silvered divisions, in case

Illuminators

367 865 1 Lampholder for M8
374 536 1 Adapter for column of stand and for cast base, for lampholder, column diam. 25 mm
315 271 1 Cast base for lampholder 366 617
366 617 1 Lampholder for column diam. 25 mm
194 632 1 Low-voltage lamp 6V/15W, for incident or transmitted light
325 625 1 Filter-securing ring for filter holder of low-voltage lamp 6V/15W
373 772 1 Ring illuminator, for M8, with supply unit 110–250V
166 324 1 Bulb 6V/15W
226 598 1 Neon tube for ring illuminator
194 817 1 Regulating transformer 0–8V/50VA, 110–250V, with mains cable
127 933 1 Step transformer 2/4/6/8V/30VA, 110–250V, with mains cable

Polarisation

374963 1 Polarising equipment for transmitted light, for M8, comprising:

221 814 1 Polariser on glass stage plate
367 929 1 Analyser in mount, for M8

374964 1 Polarising equipment for incident light, for M8, comprising:

127 582 1 Polariser diam. 32 mm
367 929 1 Analyser in mount, for M8
361 719 1 Red I compensator, foil, in rotating mount for rotating Pol. stage 368 078

Photomicrography

256 526 1 Phototube A
256 527 1 Phototube B
352 873 1 Phototube for trinocular assembly
184 947 1 Camera clamping ring diam. 33 mm
230 943 1 Connecting ring M42x1 for use between camera clamping ring and 126 640
126 640 1 Tube M42x1 (100 mm) for use between Praktica or Edixa and 230 943

126 147 1 Roll film magazine 6 x 9 cm for adapter cone
126 152 1 Reducing frame 6 x 6 cm for roll film magazine
315 217 1 35 mm magazine
194 068 1 Adapter cone
268 009 1 Attachable camera MKa1 with focussing telescope and camera clamping ring diam. 33 mm, for stereomicroscopes
268 013 1 Photoautomat MKa4 with focussing telescope, exposure control unit and camera clamping ring diam. 33 mm, for stereomicroscopes

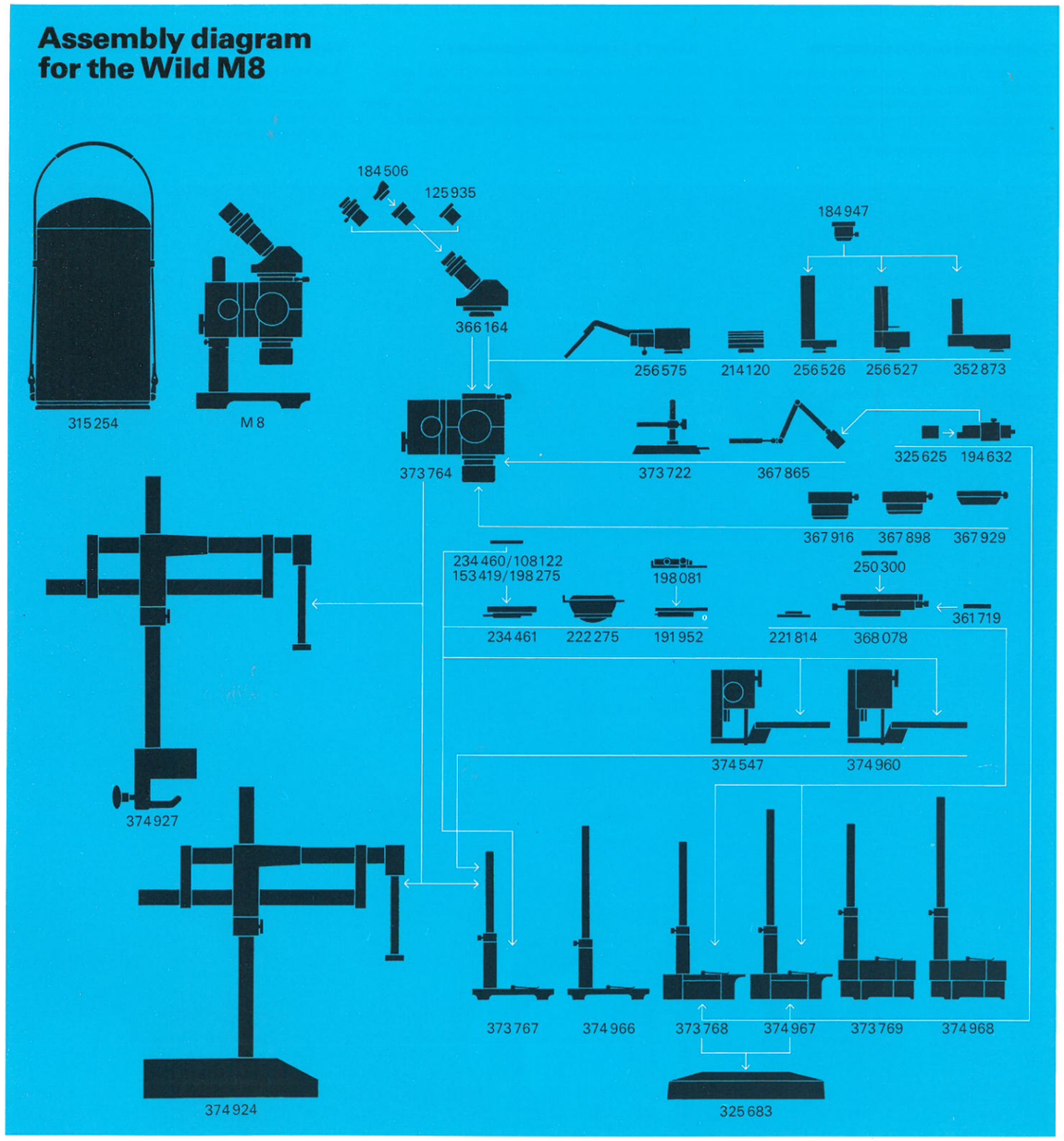
Miscellaneous

184 506 1 Eyecup
334 860 1 Eyecup for spectacle wearers

256 575 1 Drawing tube, in case
214 120 1 Double iris diaphragm
374 942 1 Discussion stereomicroscope M8
184 555 1 Comparison tube
125 935 1 Eyepiece adapter ring, for comparison tube
366 159 1 Cabinet for stereomicroscopes
126 273 1 Dust cover
126 269 1 Dust cover for large swinging-arm and table-clamp stands

In the interest of our customers, we reserve the right to make modifications resulting from technical developments. Illustrations and specifications are therefore not binding and are subject to change without notice.

Assembly diagram for the Wild M8



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The latest production techniques

The company has long-standing traditions, but in the modern factories the latest production techniques are used. The skill and experience of our craftsmen are harnessed to a rigorous quality control system. The result: Superlative instruments for microscopy, geodesy and photogrammetry.

A complete range of microscopes

Wild offer a complete range of microscopes and stereomicroscopes for various applications. The instruments differ in their optical outfit, magnification powers and to some extent in the ways in which they can be expanded.

World-wide guaranteed service

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