

Leica FSC

Comparison macroscope for forensic investigations and document examination

Leica FS4000

Comparison microscope system for microscopic specimens

Motorized comparison bridge Module for adapting to microscopes (DMLB)



Modular system Leica FS C, Leica FS4000

Motorized comparison bridge Stand, modules, accessories

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Beam path comparison bridge

Beam path ergo binocular tube







Leica FS C Comparison macroscope

11581051

The Leica FSC comparison macroscope consists of the base stand, comparison bridge with ergo binocular tube, two macroscope carriers with macroscope tube lens, two motorized stages, control panel for central control of the motorized functions, special articulated arms for light guide, revolving with scales, filter slots for color balancing filters and polarizing filters.

Following are additional details:

Base stand

(Fig. 1, p. 4)

The Leica FS C base stand consists of a stand column and stand base with transport handles. The comparison bridge with observation tube is attached to the automatically adjustable column and can be telescopically adjusted in height over a travel range of 255 mm.

The base of the stand contains the motorized object stages, the central control panel and the optional transmitted light illuminator. The stages have separate automatic X, Y and Z adjustment for the fine-adjusting the specimen. (Travel range approx. 25 mm). The focusing speed for the stage adjustments is adjusted automatically to the current objective magnification level via the encoded objective turret.

Comparison bridge

(Fig.2, p.4)

The comparison bridge switches automatically between split image, composite image and exclusive image of left or right beam path. You can switch over to any of these four methods at the touch of a button. Additionally, the width and image position of the dividing lines can be variably adjusted by hand using two additional pushbuttons. The automatic magnification changer has two levels, 1x/1.5x, which control both part-images. An adjustment dial located on the side of the bridge allows exact magnification calibration of both partial images in the range of +/-4% when adjusting for thermally changed specimens. A green light-emitting diode shows the 0 positions.

Ergo binocular tube for field of vision 22 (Fig. 3, p. 5)

The tube provides an image in portrait and landscape orientation. It has a variable viewing angle (approx. 5° - 35°), a documentation output (Fig.: 3/1) for plugging in the current C-mount adapters from 0.35x to 1x and MPS photo systems from the Leica product line. Optionally, a documentation output with two image outputs with 50%/50% image splitting can be attached to the existing interface.

Two macroscope carriers with macroscope tube lens

(Fig.4, p.5)

The macroscope carriers are mounted on the right and left beneath the comparison bridge and contain a 6x encoded objective turret with objective thread M32x0.75, a filter slot (Fig.: 4/1) for the CRA, CGA filter slides and the analyzer slide. Directly underneath the comparison bridge is the 360° revolving receptacle for the articulated light guide arms with graduation and stopping button (Fig.: 4/2); the receptacle for the coaxial incident illuminator is located behind and below this.

Two motorized 3 plate stages

(Fig.5, p.5)

The 160 mm x 220 mm stage plates with 80 mm x 80 mm glass stage plates have an adjustment range of 50 x 50 mm in the x + y directions. Each stage has automatic x-y-z movement for fine-focusing the specimens (travel range approx. 25 mm) and x-y adjustment of the specimens. (Positioning accuracy < 20 μ m). The x-y-z movement is adjusted automatically to the current objective magnification using the encoded objective turret.

The x-y-z movement of both stages can be synchronized at the touch of a button. Both stages move together in x, y and z direction.









1 Mix, 2 Split, 3 left side, 4 right side, 5/6 Changing the position and width of the dividing lines, 7 VW 1.5x, 8/9 light intensity left/right, 10/11 x adjustment of stages left/right, 12/13 y adjustment of stages left/right, 14/15 z adjustment of stages left/right, 16 column lift,

17 synchronous movement of stage x/y/z



Control panel for central control of the motorized functions

(Fig.6, p.6)

The top buttons control the functions of the comparison bridge, such as the magnification changer 1x/1.5x as well as switching between composite image, comparison image and dividing line. The lower and side buttons on the control panel control stand functions, such as x/y/z stage movement either individually or simultaneously, the light setting and the column lift.

Special articulated arms, revolving with scales

(Fig.7/1, p.6)

The special articulated arms are for holding and positioning the flexible light guides. The light bundle can be rotated and tilted in every direction. The scales on the movable holders can be used to adjust and reproduce the illumination for both sides with exact precision.

Filter slots for color balancing filters and polarizing filters

(Fig.7/2, p.6)

The filter slots are arranged at the front for easy access.

Objectives, eyepieces, graticules and stage micrometers

PL APO MACRO 0,4x/0.014 - 0.003	11581046 (2x)
M PL APO MACRO 1x/0.035 – 0.006	11581047 (2x)
M PL APO MACRO 2x/0.07 -0.01	11581048 (2x)
M PL APO MACRO 4x/0.14 - 0.03 (Fig.8, p.7)	11581049 (2x)

Based on the Leica principle of infinity distance correction of optics, the microscope objectives are infinity (∞) corrected for 180 mm reference focal lengths. The cover glass correction (-) allows the use of specimens with or without cover glass. A uniform calibration length of 135 mm guarantees the parfocality of the objectives with each other. The built-in iris aperture diaphragm allows optimum depth of field and image contrast. The aperture diaphragms can be continuously adjusted, with five notch positions for reproducibility of settings. (M = incident-light compatible objective)

Other micro-objectives from the Leica product line for higher magnification ranges of up to 150x can also be used. For example:

C PLAN 10x/0.22	11506075 (2x)
This requires:	11561003
Adapter ring M32/M25	(2x)
or	11566503
HC PL FLUOTAR 10x/0.30 BD	(2x)

Note: Based on a reference focal length of 180 mm for the DM FS C, the image scales of the micro-objectives are smaller by a factor of 0.9.

Antireflex cap	11581091
(Fig. 8/1, p.7)	(2x

For attaching to the objectives for coaxial illumination. In combination with the incident light polarizers, the cap protects against bothersome residual reflections, thus optimizing the image contrast in coaxial incident light. It is particularly recommended for use with darker, poorly reflective specimens.



Eyepieces for fields of vision up to a maximum of 22 mm:

11507801	Eyepiece HC PLAN 10x/20 BR.	(1x)	
11507802	Eyepiece HC PLAN 10x/20 BR.M	(1x)	
11507807	Eyepiece HC PLAN S 10x/22 Br.M	(2x)	
11506515	Eyepiece HC PLAN 12.5x/16 BR. M	(2x)	
11506808	Spacer ring for eyepiece 16x/14 B	(2x)	
10445301	Eyepiece 16x/14B, adjustable	(2x)	
10445302	Eyepiece 25x/9.5B, adjustable	(2x)	

Graticules for insertion into the eyepieces:

11506950	Graticule 10 mm=100 increments, 26 mm Ø	1x
11506951	Graticule 10 mm=200 increments, 26 mm Ø	1x
11506950	Graticule 10 mm=100 increments, 26 mm Ø	1x
11506951	Graticule 10 mm=200 increments, 26 mm Ø	1x
11506953	Graticule with cross line, 26 mm	1x
11506952	Graticule with cross line and graduation 10 mm=100 increments, 26 mm \varnothing	1x
11506954	Graticule with grid 10x10 mm, 0.1 mm increments, 26 mm Ø	1x
11506955	Graticule with grid 10x10 mm, 1.0 mm increments, 26 mm \emptyset	1x

Stage micrometer for calibration of the graticule scales and for comparison measurements: (Fig. 45, p. 19)

11519963 Micrometer for DM C, 10 mm=100 increments

CCD chip and monitor image sizes (mm)						
	а	b	С			
1/3"	4.8	3.6	6			
1/2"	6.4	4.8	8			
2/3"	8.8	6.6	11			
17"	316	244	400			
19"	350	270	442			
Monitor mag.						
	17"	19"				
1/3"	66.7	74				
1/2"	50	55				
2/3"	35.4	40				
Field of vis. = object field diagonals						



					Camera & 19" monitor					
	Mag.					1/3		1/2		2/3
Mag. changer	obj. tot.	FWD	Eye	piece 10x	C-mo	unt 0.33 x	C-mo	ount 0.5 x	C-mo	unt 0.63 x
			Field	Total mag.	Field .	Total mag.	Field	Total mag.	Field	Total mag.
			of vis.		of vis.		of vis.		of vis.	
1 x	0.4 x	60	55.0	4.00	42.80	10.30	40.00	11.00	43.60	10.10
1.5 x	0.6 x	60	36.6	6.00	29.00	15.40	26.70	16.60	29.00	15.20
1 x	1 x	60	22.0	10.00	17.10	25.80	16.00	27.60	17.44	25.40
1.5 x	1.5 x	60	14.6	15.00	11.40	38.70	10.70	41.40	11.60	37.90 x
1 x	2 x	60	11.0	20.00	8.57	51.60	8.00	55.20	8.70	50.60
1.5 x	3 x	60	7.3	30.00	5.70	77.40	5.30	82.80	5.80	75.90
1 x	4 x	60	5.5	40.00	4.28	103.20	4.00	110.40	4.40	101.30
1.5 x	6 x	60	3.6	60.00	2.86	154.80	2.70	165.60	2.90	152.00

(2x)

Total mag. = Obj. tot. x eyepieces/obj. tot. x C-mount x monitor

Mag. monitor = Image diagonals monitor/image diagonals CCD chip

Coaxial incident illumination

(Fig.9, p.9)

11581053 (2x)

The coaxial incident illuminator generates vertical coaxial incident illumination. The illumination is guided through the objective. This allows particularly contrast-rich display of smooth, highly reflective surfaces such as bullet and toolmarks, metallic form and material marks.

The modular coaxial illuminator includes the special illumination optics, the reflector system with polarizing device for reflection protection (which can be exchanged for a bright field reflector) and the receptacle for light guides. Light filters can be used in the cold light lamp. **Note:** Only objectives identified with the letter M are compatible with coaxial incident illumination.

This requires:

Cold light illuminator (KL 2500) with halogen reflector lamp 24V 250 W, luminous flux 1300 lm, electrical light adjustment (variable color temperature) and mechanical light adjustment (constant color temperature) with remote control via the front microscope buttons. With reducing piece for light guides 4.5 mm Ø.

For 220 V power supply	11581063
For 110 V power supply	11581071
(Fig. 10, p.9)	

Alternatively:

Cold light illuminator (KL 1500) with halogen reflector lamp 15V 150 W, luminous flux 600 lm, the light adjustment can be adjusted electrically (variable color temperature) and mechanically (constant color temperature). (For the KL 1500 without remote control via the microscope)

For 220 V power supply	11581041
For 110 V power supply	11581095
Light guide, double-arm d = 9 mm flexible, 1000 mm long (Fig. 11, p.9) (required for coaxial illumination)	11581065
Installation plate for two cold light lamps (Fig. 12, p. 9)	11581086
Antireflex cap (Fig.8/1, p.7) For attaching to the objectives for coaxial illumination.	11581091 (2x)

















Oblique incident illumination

Oblique incident illumination is particularly suited for the examination of gun marks on bullets and casing bases, toolmarks, other form and material marks, forensic textile examinations etc.

The device consists of:

Articulated arms with receptacles for light guides (Fig. 13, p. 10) (included in base stand)

Light guide, d = 4.5 mm, double-armed, flexible 1000 mm long (Fig. 14, p. 10)	11581064
Focusing optics for light guide	10446391
(Fig. 15.1 and 15.2, p. 10)	(2x)

Filter polarizing device for oblique incident illumination for reflection protection consisting of:

Polarizer, attachable to the focusing optics (not pictured)	31158205 (2x)
Analyzer in slide bar	11513900
(Fig. 16, p. 10)	(2x)

Additionally required:

Cold light sources (see above). The cold light source can be adapted for various illumination methods. However, two cold light sources can also be adapted to the instrument for two illumination methods.

Transmitted light illuminator

The transmitted light illuminator is intended for all transparent specimens, such as textiles, hair, films and documents.

Transmitted light illuminator, left, including light guide d = 9 mm (not pictured)	11581062 (1x)
Transmitted light illuminator, right, including light guide d = 9 mm (Fig. 17, p. 11)	11581054 (1x)

Additionally required:

Cold light sources see above. The cold light source can be adapted for various illumination methods. However, two cold light sources can also be adapted to the instrument for two illumination methods.

Light filter for color contrasting for composite image comparisons, superimposition of images

Slide bar with filter CRA, red compensation (Fig. 18, p. 11)	11581068 (1x)	
Slide bar with filter CGA, green compensation	11581067	
(Fig. 18, p. 11)	(1x)	

UV illumination device, large specimen stage for document examination

The UV illumination device is intended particularly for large-surface specimens in forensic document and textile examinations.

The device consists of:

Holder for UV lamps	11581070
(Fig. 19.1, p. 11)	(1x)

UV lamp with high-pressure quartz lamp 180W and clamping system for left and right-side fastening 11500330 (Fig. 19.2, p. 11) (2x)

Large specimen stage for document examinations	11581055
(Fig.20, p.11)	(2x)

Can be used in transmitted light and incident light.

The large specimen stage is mounted on the motorized stage. The documents can be fastened using the magnetic clamps provided.















Filter polarizing device for transmitted light

For polarized optical examinations of transparent foils, adhesive tape etc.

Rotating stage attachment d = 118 mm with glass stage plated = 50 mm and threaded bore holes11581002(Fig. 21, p. 12)(2x)

This rotating stage also has bore holes for attaching the adjustable universal holder. It has holes for inserting stage clips for holding down flat specimens:

Stage clip	11512650
not pictured)	(2x)

For polarized optical examinations with this stage, the following are required:

Polarizer with lambda plate, rotating d = 37 mm in holder for
insertion into the rotating stage attachment11581008(Fig. 22, p. 12)(2x)

Analyzer in slide bar, for insertion into the slot of the macro-
scope carrier11513900(Fig. 16, p. 10)(2x)

(Mat. No. stands for single part-for use as a pair, the No. must be ordered twice)

Rocking ball bearing stage attachment

(Fig. 23, p. 12)

11581031 (2x)

Stage surface d = 75 mm, tiltable $+/-45^{\circ}$ with fixture, attachable to motorized stage and rotating stage d = 118 mm

(Mat. No. stands for single part – for use as a pair, the mat. No. must be ordered twice)

Adjustable holder (universal holder) with rotating base

(Fig. 24, p. 13)

11581056 (2x)

For mounting and positioning bullets, shell casings and ammunition. The universal holder is screwed into the receptacle drill holes of the motorized stage. It can be rotated by 360° and moved horizontally on its base.

The mounted pieces of ammunition can be tilted by 90°. All movements can be stopped with stop buttons.

The following special receptacles are available for mounting pieces of ammunition in the universal holder:

(Mat. No. stands for single part–for use as a pair, the No. must be ordered twice)

Bullet receptacle set, complete, with centering insert for mounting in the universal holder

Consisting of the following parts:

Bullet holder	11520220
(Fig. 25.1, p. 13)	(2x)
Centering insert with spring system	11520221
(Fig. 25.2, p. 13)	(2x)
Pressure plate, rubber-coated	11520222
(Fig. 25.3, p. 13)	(2x)

(Mat. No. stands for single part-for use as a pair, the No. must be ordered twice)













Bullet receptacle set for mounting in universal holder

Consisting of:

11520229
11520684
11520277
11520278
11520279
11520280
11520276

(Mat. No. refers to a pair, i.e. contains two pieces.)

Holding arbor set for shell casings for mounting in universal holder

Consisting of:

Holding arbor for hunting-rifle ammunition, pair (Fig.30, p.15)	11520686
Holding arbor for 0.22 caliber shell casings, pair (Fig.31, p.15)	11520223
Holding arbor for 6.35 caliber shell casings, pair (Fig. 31, p. 15)	11520224
Holding arbor for 7.65 caliber shell casings, pair (Fig.31, p.15)	11520225
Holding arbor for 7.63 mm caliber shell casings, pair (Fig. 31, p. 15)	11520226
Holding arbor for 9 caliber shell casings, pair (Fig.31, p.15)	11520227
Holding arbor for 10 caliber shell casings, pair (Fig.31, p.15)	11581085
Holding arbor for 0.45 caliber shell casings, pair (Fig.31, p.15)	11520228

Receptacle set for specimens bearing toolmarks for mounting in universal holder

Consisting of:

Joint holders for additional rotation and tilt of shell ca (Fig. 32, p. 15)	asings, pair 11520328
Wire holders, pair (Fig.33, p.15)	11520260
Stages d = 60 mm, pair (Fig.34, p.15)	11520261
Receptacles for lock cylinders, pair (Fig.35, p.15)	11520685
Cup stage, 25 mm with stop pair (Fig.36, p.15)	11520687

(Mat. No. refers to a pair, i.e. contains two pieces.)



















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Set of bullet manipulators and special receptacles (UFM 4) for direct mounting on the motorized stage

Bullet manipulators (1 right-side–1 left-side), pair 11581075 (Fig. 37, p. 16)

Shelf with 4 pairs of bullet holders, 1 pair of paste-on disks, 2 pairs of brushes for shotgun shell casings, 4 pairs of brushes for shotgun shell casings, 11581078 (Fig. 38, p. 16)

Iris clamp for vertical mounting of shell casings,	11581074	
(not pictured)	(2x)	
Mini rotating stage,	11581076	
(not pictured)	(2x)	
Mini-stage plate with spring clamps	11581077	
(not pictured)	(2x)	

Double TV adapter

2 outputs for TV camera and photo system. Permanent beamsplitting 50%:50% (Fig.40, p.17)

11581057

TV camera adapter (Fig. 41, p. 17)

		Field of vision, diagonal measurement in mm			
Art. No.	Description	1/3" TV camera	1/2" TV camera	2/3" TV camera	1" TV camera
11541512	C-mount adapter HC 0.35x for 1/3" TV cameras	17.1	_	-	-
11541511	C-mount adapter HC 0.5x for 1/2" TV cameras	12.0	16.0	-	-
11541537	C-mount adapter HC 0.63x for 2/3" TV cameras	9.5	12.7	17.5	-
11541510	C-mount adapter HC 1x for 1" TV cameras	6.0	8.0	11.0	16
11541517	C-mount Vario TV adapter HC 0.33X-1.6X for 1/3" and 1/2" 1-3 chip TV cameras (for 1/2" TV cameras with magnification level = 0.42x and larger)	18.0-3.8	19.0-5.0	_	_
11541518	B-mount Vario TV adapter HC 0.5X-2.4X with ENG-mount for 1/2" 1-3 chip TV cameras	-	16.0-3.3	_	_
11541538	TV optics HC 0.5x for 1-3 chip TV cameras. Additionally required: C-, B- or F-mount adapter	Only in combination with C-, B- or F-mount adapter			
11543706	C-mount head 1x for 1/2" TV cameras	12.0	16.0	-	-
11543702	B-mount head 1x for 1/2" TV cameras	12.0	16.0	_	_
11541539	B-mount head 1.25x for 2/3" TV cameras	-	_	17.5	-
11541540	F-mount head 1x for 1/2" TV cameras	12.0	16.0	_	-
11541541	F-mount head 1.25x for 2/3" TV cameras	-	_	17.5	_









Ergonomic, system-integrated workstation

Consisting of:

Ergonomic work table with motorized height adj surface: 1200 mm x 560 mm, stage height: 619 mm + adjustment, lifting speed approx. 12 mm/sec, lifting dual-voltage 120V/60 Hz 230V/50 Hz	ustment, stage 300 mm height g force 2000 N,
(Fig. 42, p. 18)	11581072
Ergonomic chair, (Fig. 43, p. 18)	11581073
Casing with inserts for the slide holders (not pictured)	11581084
Foot switch for ergonomic work table (not pictured)	11581087

Other accessories:

X/Y/Z control (Fig.44, p.19) For control of focusing and stage drive	11501197
Calibration standard, pair, for magnification calibr (not pictured)	ation, 11581080
Stage micrometer 10 mm = 100 increments for calibration of the graticule, (Fig.45, p.19)	11519963
Dust cover for stand (not pictured)	11581083
Replacement halogen reflector lamp 15V 150W (not pictured)	11500315
Replacement halogen reflector lamp 24V 250W (not pictured)	11590910
Line light with division 50 x 1.2 mm (not pictured)	11581066
For mounting on revolving recented a 11E01000	or on onooid

For mounting on revolving receptacle 11581088 or on special articulated arms.

With adjustable attachment optics, adjustable tilt angle with flexible, 1000 mm long light guide for coupling to cold light lamps KL 2500 and KL 1500. Particularly suitable for grazing illumination of toolmarks.

Rotating receptacle with articulated arms	
(Fig. 46, p. 19)	11581088

For mounting and orientation of light guides or light panels. The device can be attached to the motorized 3-plate stage and combined with the cup stage and universal bullet holder.

Cold light panel	
(not pictured)	11581089

Including connector plate for mounting on revolving receptacle 11581088 or special articulated arms. For wide-surface, homogenous illumination of toolmarks and bullet marks. Illuminated area 80 x 30 mm.













Accessories for microphotography:

Three photo systems are currently available for microphotography:

SLR camera system Leica MPS 30 photoautomat with integrated metering

Leica MPS 60 photoautomat with integrated and spot metering (1%) and databack for 35 mm (Fig.47, p.20)

see special brochures

Photo eyepieces, eyepiece tubes, focusing and framing graticules

(Fig. 48, p. 20)

For adapting microphotographic equipment, an exactly matched combination of photo eyepiece, eyepiece tube andfocusing and framing graticule is required. The focusing and framing graticule is inserted into an observation eyepiece HC PLAN M and displays each photographic format. Additionally, it has focusing marks for exact focusing.

For photo eyepiece 10x:

11541514	Eyepiece tube HC DR 27/10x for MPS
11541501	Eyepiece HC 10x/16 Photo
11506961	Focusing and framing graticule F6, D=26 mm

For photo eyepiece 8x:

11541513	Eyepiece tube HC DR 27/8x for MPS
11541500	Eyepiece HC 8x/20 Photo
11506960	Focusing and framing graticule F5, D=26 mm

For photo eyepiece 12.5x:

- 11541515 Eyepiece tube HC DR 27/12.5x for MPS
- 11541535 Eyepiece HC 12.5x/13 Photo
- 11506963 Focusing and framing graticule F6, D=26 mm

Leica Digital Camera System

(Fig. 49, p. 20)

Leica DC 150, Leica DC180, Leica DC 300, Leica DC 350F, Leica DC 500,

see special brochures

Dimensions and weights Leica FS C:

Width with fully extended oblique light articulated arms:	1035 mm
Height at max. column lift:	785 mm
Height at min. column lift:	530 mm
Depth:	530 mm
Distance between optical shafts:	400 mm
Viewing height for ballistic specimens in universal holder:	approx. 590 mm–510 mm
Weights:	
Comparison bridge	approx. 15 kg
Macroscope stand with table	approx. 32 kg
Ergonomic work table	approx. 50 kg

Technical data Leica FSC:

Operating voltage:	90254V
Frequency:	50/60 Hz
Power consumption	125 VA max.
Operating temperature:	10°C–36°C
Relative humidity:	0–-80% at 30°C







Motorized comparison stage for microscopes

(Fig. 50, p. 22)

11581081

Required for use of the comparison bridge are two microscopes, e.g. Leica DM LB or Leica DM4000 B/M with HC eyepieces with a maximum field of view of 22 mm, but without observation and photo/TV tube.

The comparison bridge features automatic switching between split image and composite image. For split image, the width and image position of the dividing lines can be variably adjusted using two buttons. The automatic magnification changer has two levels 1x/1.5x, which apply to both part-images. An adjustment dial located on the side of the bridge allows exact magnification calibration of both partial images in the range of +/-4%.

The built-in ergonomic binocular tube for field of vision 22 returns a vertical and laterally-correct image. It has a variable viewing angle (approx. $5^{\circ}-35^{\circ}$), a documentation output (Fig. 50, p. 22) for holding the current C-mount adapters from 0.35x to 1x from the Leica product line. Optionally, a documentation output with two image outputs with 50%/50% image splitting can be attached to the existing interface.

The provided control panel is the central operating unit for the automatic functions.

The buttons control the functions of the comparison bridge, such as the magnification changer 1x/1.5x as well as switching between composite image, comparison image and dividing line (Fig. 51, p. 22).

Leica FS4000 Comparison microscope system

with built-in color compensation system VARIOLUX COLOR (Fig. 52, p. 23)

Leica FS4000 for transmitted light

11581069

Consisting of:

Motorized comparison bridge (as above) with two base stands DM4000 B, like 11888080, but with Variolux Color compensation system with variably adjustable light filters for compensation of the finest color differences in the illumination systems. With coarse and fine drive 11888084, baseplate without filter magazine 11888098, upper part of stand DM4000 B, empty with encoded 6x objective turret M25 11888089 and cover 11888095. (Stands are identical in construction, i.e. there are no separate left or right versions.)

Leica FS4000

for transmitted light and incident light fluorescence 11581052 Consisting of:

Automatic comparison bridge (as above) with two base stands DM4000 B, like 11888080, but with Variolux Color compensation system with variably adjustable light filters for compensation of the finest color differences in the illumination systems. With coarse and fine drive 11888084, baseplate without filter magazine 11888098, upper part of stand DM4000 B, with encoded 5x disk for fluorescence blocks and encoded 6x objective turret M25 11888088, with cover 11888095. (Stands are identical in construction, i.e. there are no separate left or right versions.)



Leica Microsystems – the brand for outstanding products

Leica Microsystems' mission is to be the world's first-choice provider of innovative solutions to our customers' needs for vision, measurement, lithography and analysis of microstructures.

Leica, the leading brand for microscopes and scientific instruments, developed from five brand names, all with a long tradition: Wild, Leitz, Reichert, Jung and Cambridge Instruments. Yet Leica symbolizes innovation as well as tradition.

Leica Microsystems – an international company with a strong network of customer services

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