Unlimited Applications

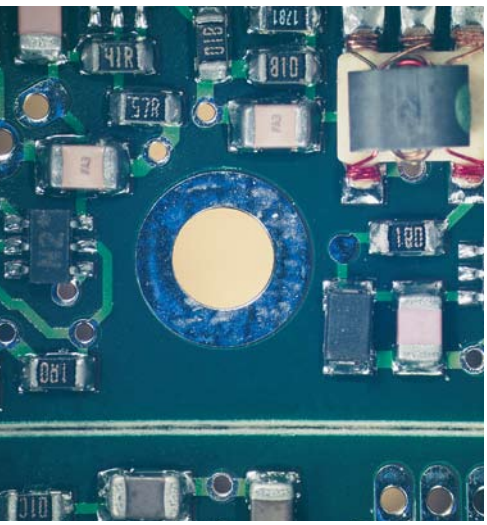
With their wide selection of ergonomics accessories, binocular tubes and objectives, as well as video and digital still cameras, the Leica MZ7$_5$, MZ9$_5$ and MZ12$_5$ are ideal partners for industrial and life-science applications

Leica

MICROSYSTEMS

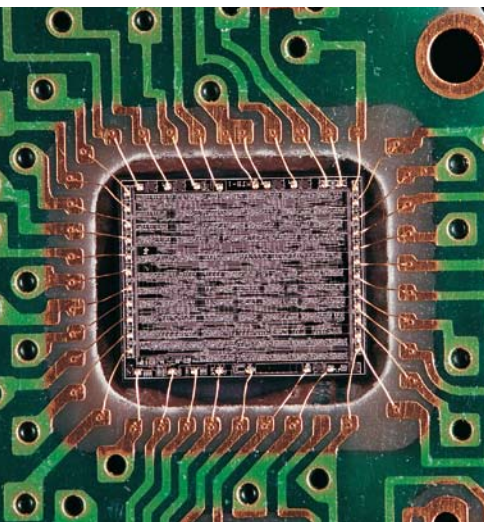
MZ75

For Wafers, Metal Sections and Thin Sections

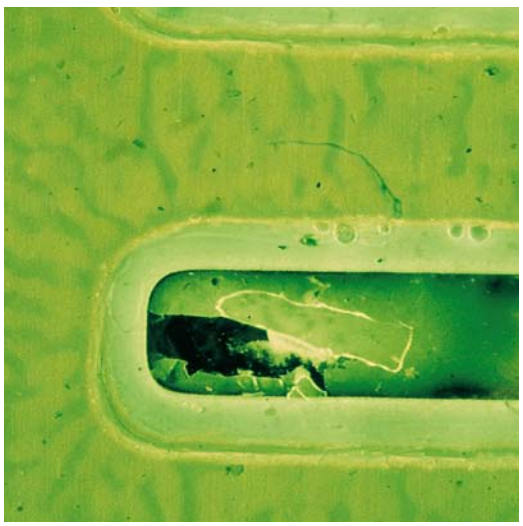


Circuit board

Willow herb



Integrated circuit



Epoxy layer

The high-performance stereomicroscope MZ75 with 0.63× to 5× zoom offers state-of-the-art optical technology, high imaging performance and ergonomics at a surprisingly affordable price. The 1× plano objective displays wafers, metal sections and thin sections absolutely plane and distortion-free and resolves details up to 246 lp/mm crystal clear and high in contrast.

The Leica MZ75 is antistatic and lead-free and features the widest selection of ergonomics accessories, binocular tubes, objectives and accessories for digital imaging, video, photomicrography, second-observer tube, drawings, etc.

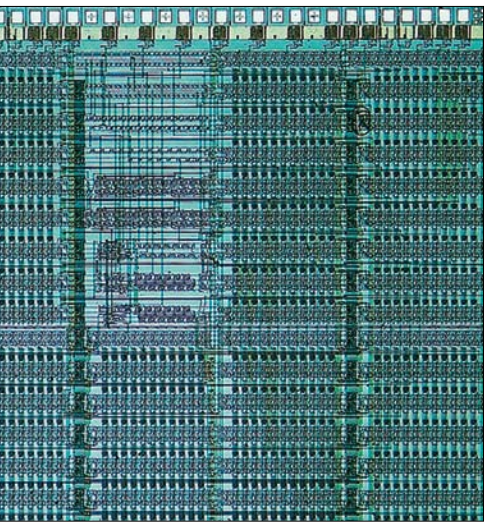
The elegant design of the Leica MZ75 defines ergonomic. The contoured shapes and modern antistatic materials combine to promote comfort and convenient handling.

Right:
Leica MZ75 with 45° inclined binocular tube, 1× plano objective, incident-light stand and focusing drive (coarse/fine)

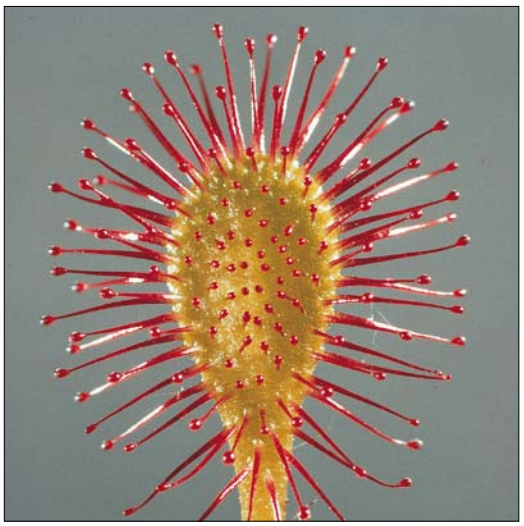

LEICA MZ7.5
PLAN 1.0x

MZ95

The Advanced Class for Research and Precision Work



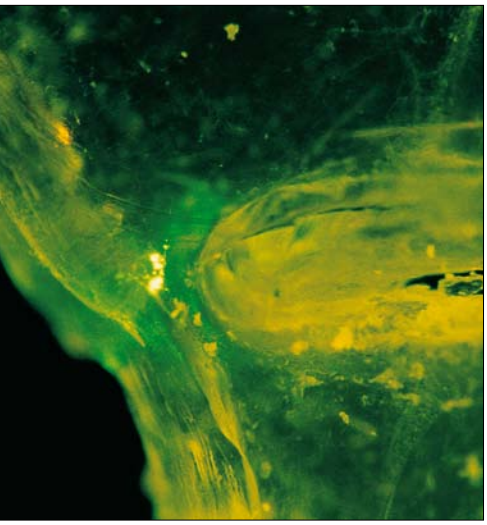
Circuit board



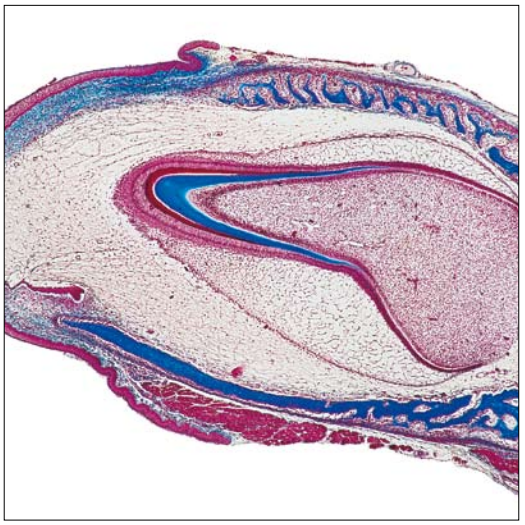
Drosera

The Leica MZ95 high-performance stereomicroscope was developed for research and education, for precision work and quality control. Its performance meets these refined demands: 300 lp/mm resolution using the standard 1× plano objective, 0.63× – 6× zoom, extremely high image contrast and crystal clear image sharpness up to the edge of the image field.

The modular stereomicroscopes are characteristic for their expandability. The widest selection of ergonomics accessories, binocular tubes, objectives as well as video and digital cameras is also available for the antistatic Leica MZ95. Such a high number of adjustment options for different users and working situations can only be found in this stereomicroscope series.



Recycled plastic



Tooth development (cat)

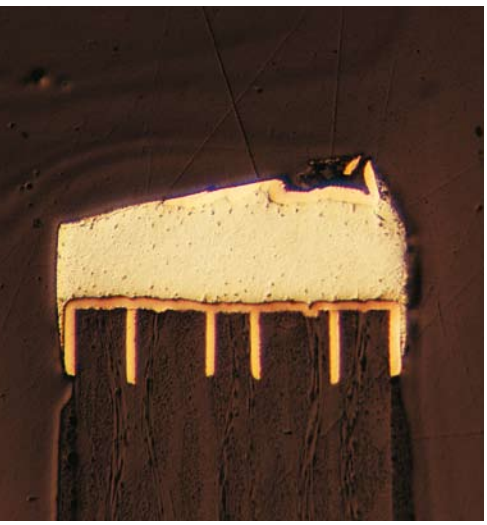
The elegant design of the Leica MZ95 stems from the clean lines and the outstanding ergonomics. The soft shapes, and the use of modern materials, make handling easy and contribute to fatigue-free working.

Right:
Leica MZ95 with ErgoTube™, TL RC™ transmitted-light base and ErgoRest handrest

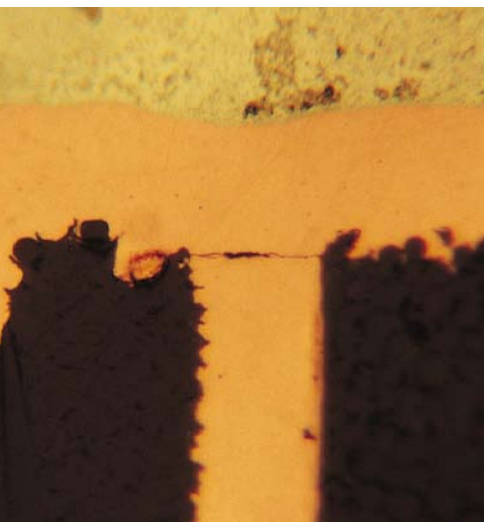

Leica

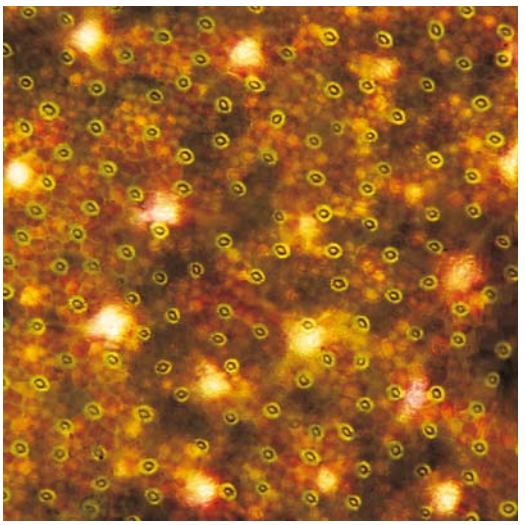
MZ125

The Vision

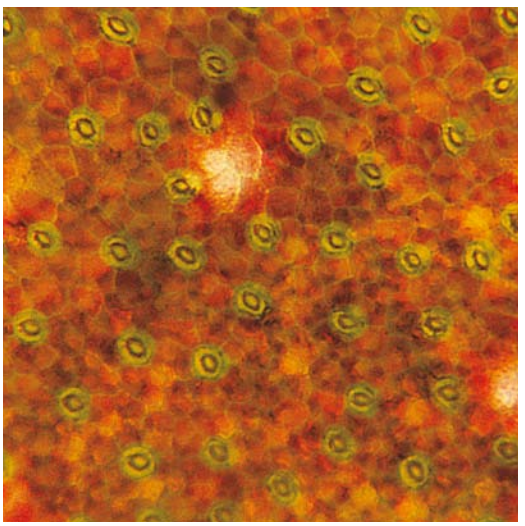


Multilayer circuit board, poor contact due to crack, original magnifications 37:1 and 600:1 (below)





Water lilly leaf (Nymphaea alba), stomata, original magnifications 100:1 and 200:1 (below)



With their patented antistatic material for effective protection against ESD and modular design for enormous problem-solving potential, Leica stereomicroscopes are a sound long-term investment. With its outstanding optical performance, unique adaptability and excellent value for money, the Leica MZ125 fulfills all of the demands made on top-class research and training instruments for scientific and industrial applications – today, and in the future.

The elegant exterior of the Leica MZ125 is not an end in itself: as sleek as the design is, functionality and ergonomics had the highest priority.
Warm materials and carefully considered control locations reduce user fatigue considerably.

Right:
Leica MZ125 with 45° inclined binocular tube, 1.0× plano objective, incident-light stand and coarse/fine focusing


Leica

Ergonomics

The Program

Custom-tailored solutions for every application

A stereomicroscope designed for maximum customer utility can be adapted quickly and easily to any work situation or individual requirement. In this regard as well, the Leica MZ7$_5$, MZ9$_5$ and MZ12$_5$ are future-proof investments thanks to the quality of their parfocal optics and wide range of accessories for virtually any inspection, training or documentation task.

Taking humans as the standard

Leica not only offers the widest range of binocular tubes on the market, but also a unique selection of ErgoModules™. For the Leica MZ7$_5$, MZ9$_5$ and MZ12$_5$, we especially recommend the ErgoTube™ with a continuously adjustable viewing angle from 10° to 50° that permits any user to assume an optimal, dynamic sitting posture.

The modular system, an investment in the future

With its stand and illumination system, Leica offers a range of modules that adapt the Leica MZ7$_5$, MZ9$_5$ and MZ12$_5$ to any scientific or technical application with ease. The high-performance transmitted-light stands, for example, guarantee optimal bright- or dark-field illumination for translucent specimens, while the swing-arm stand facilitates the manipulation of bulky objects such as circuit boards and mineral samples, focusing them with ease with its motorized focus.

The coaxial illuminator effectively displays the surface contrasts of flat, highly-reflecting objects such as wafers or polished metals. The fluorescence illuminator, available with filter sets for various types of fluorescence (e.g. GFP), makes it possible to differentiate even the finest of fluorescing structures.

1 Motor focus for effortless focusing and for repetitive tasks
2 Coaxial illuminator for flat, highly-reflecting surfaces, effectively allows imaging of small defects on silicon wafers.
3 Leica IC A integrated analog video camera
4 Fluorescence module with various filter combinations (e.g. GFP) for optimal differential observation of fine fluorescing structures.
5 For educational and training use: discussion stereomicroscope
6 ErgoRest, handrest for fatigue-free work
7 Rotatable polarization stage for double-refracting objects
8 HD-V ErgoModule with switchable beam splitter and DFC camera

Leica MZ7.5, MZ9.5 and MZ12.5:
A fine example of ergonomics and versatility

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Imaging

Digital Image Recording Systems

Leica stereomicroscopes meet the best requirements for die professional image recording and analysis. From stereomicroscope to digital camera, including image management and analysis software, Leica Microsystems offers customer-specific complete solutions for professional image acquisition, archiving, analysis, processing, presentation or print.

MZ9.5 with HD-V tube and Leica DFC290 digital camera on TL BFDF transmitted-light base and ErgoRest handrest.

Our product range goes from standard camera for universal use up to high-end camera for PC and Mac and is perfectly suited for all microscopic procedures. In addition to comfortable operation of the camera, the control program also allows for processing, analysis and archiving digital images. The user interface with live image offers high user comfort and allows for intuitive, trouble-free control of all camera functions. All camera systems, including software, are universally compatible with stereomicroscopes and classic light microscopes. The detailed technical data of the Leica digital cameras are described in individual camera brochures.

Digital FireWire color camera system
Leica DFC290

The Leica DFC290 creates high-quality documentation in real time and is suitable for routine tasks. The recordings are digitized using a 10-bit AD converter with a dynamic range of 700:1. Resolution: 3.1 megapixels.

Digital FireWire color camera system
Leica DFC420 / DFC420 C

The Leica DFC420 offers high image resolution and detail exactness for routine tasks. The image information is digitized directly in the camera head. This leads to maximum noise suppression and perfect acquisition of the unprocessed CCD signal. Resolution: 5 megapixel.
The cooled version, the Leica DFC420 C, allows images of even bright fluorescence specimens to be captured due to its higher image quality.

Image Management Software

For the modular camera systems, Leica Microsystems offers software for professional archiving, processing and analysis of digitized images. Detailed information about the different programs and the modules can be found in separate brochures. Discuss your requirements with your Leica consultant.

Leica Application Suite, the new powerful software concept

LAS is the new Leica interface that represents the operating environment for motorized stereomicroscopes, digital cameras, motorized focusing drives and external light sources (CLS 150XD, KL 2500LCD, CLS150 LS, EL6000) from Leica. LAS optimizes the recording, analysis and editing of digital images in the biosciences, clinical and industrial sector.

Thanks to its modular concept, the functionality of LAS ranges from simple, interactive image measurements up to automatic measurements of a multitude of features based on several parameters. Thanks to its user interface – which has been awarded a design prize – the LAS is particularly easy to learn and use.

The suite is supplied with all motorized components and includes such core functions as the control system of the stereomicroscope and a Leica DFC camera as well as image display and basic image editing. Add-on modules such as image superimposition, multifocus and Leica Montage must be licensed separately.

Leica IM1000 Image Manager

Leica IM1000 is a modular software package for image acquisition, processing, measurement and printout as well as for data exchange and backup. The clearly arranged user-configurable archive structure allows for mapping the entire work flow of a lab in the system.

Leica IM1000 offers a broad range of application modules, such as measuring, MultiFocus, image correlation, time lapse, image superimposition, presentation and much more. Thanks to the modular concept, Leica IM1000 can be tailored to your tasks and your budget.

Leica Q550MW material workstation

The Leica Q550MW is designed specifically for material and metallurgy labs. The Leica Q550MW automates the manual tasks required for material analysis and performs demanding analytical tasks quickly, efficiently and economically.

Various modules offer numerous application solutions, such as particle size analysis with Leica QParticles, the steel purity degree analysis with Leica QIncs or hardness test with Leica QHardness, coating or coating thickness measurement with Leica QCoating and much more.

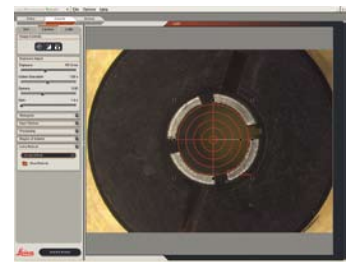
Image processing and analysis software Leica QWin

Leica QWin is a modular image analysis software for quantitative microscopy in industry and natural science. Leica QWin is available in five versions that are tailored to the requirements and the budget of the customer:

QWin Runner (Order no. 12 724 166),
Leica QWin Lite (Order no. 12 724 167),
QWin Plus (Order no. 12 724 168),
Leica QWin Standard (Order no. 12 724 169),
Leica QWin Professional (Order no. 12 724 170).

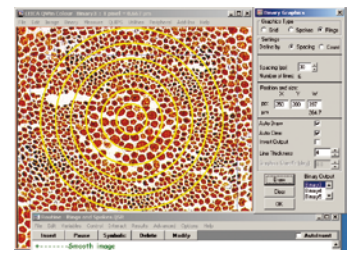
Leica QWin covers a wide field of applications from interactive measurements up to fully automatic analyses and controls automated microscopes. Thanks to the integrated interactive QUIPS macro language, fully automatic routine procedures can be programmed.

The modularity allows for tailoring the configuration to the needs of the user. Modules are available for the different QWin versions, such as Leica QGallery for saving and displaying images, Leica QFAB for creating analyses, Leica QFFT for performing fast Fourier transformations, as well as time lapse, extended focus, mosaic and much more.



Leica Application Suite:
Reticule software module

Leica IM1000 Image Manager:
Extended Viewer for the search and observation of image and data material



Leica QWin Standard

Leica MZ7.5, MZ9.5 Optical Data

Objectives		1× Plan 1× Achromat 0.8× Plan**		1× Planapo**		2× Planapo*		1.6× Planapo** 2× Achromat		0.63× Planapo** 0.8× Achromat		0.5× Plan** 0.63× Achromat		0.32× Achromat		0.5× Achromat		1.5× Achromat		Ergo Objective 0.4×–0.63×			
Eyepieces	Magnification changer	Working distances in mm																					
		81 Plan 89 Achromat 112 Plan		55 Planapo		15 Planapo		19 Planapo 27 Achromat		97 Planapo 112 Achromat		135 Plan 149 Achromat		297 Achromat		187 Achromat		49 Achromat		63.5mm		153.5mm	
		Total magnification	Field diameter (mm)	Total magnification	Field diameter (mm)	Total magnification	Field diameter (mm)	Total magnification	Field diameter (mm)	Total magnification	Field diameter (mm)	Total magnification	Field diameter (mm)	Total magnification	Field diameter (mm)	Total magnification	Field diameter (mm)	Total magnification	Field diameter (mm)	Total magnification	Field diameter (mm)	Total magnification	Field diameter (mm)
10×/21B	0.63	6.3	33.3	7.9	26.6	15.8	13	12.6	16.7	5	42	3.9	53.8	2	105	3.2	65.6	9.4	22.3	4	52.5	2.6	80.8
	0.8	8	26.3	10	21	20	10.5	16	13.1	6.4	32.8	5	42	2.5	84	4	52.5	11.9	17.6	5	41.2	3.3	63.6
	1	10	21	12.5	16.8	25	8.4	20	10.5	8	26.3	6.3	33.3	3.1	67.7	5	42	14.9	14.1	6.4	32.8	4	51.2
	1.25	12.5	16.8	15.6	13.5	31	6.7	25	8.4	10	21	7.8	26.9	3.9	53.8	6.3	33.3	18.7	11.2	8.0	26.3	5	41.2
	1.6	16	13.1	20	10.5	40	5.25	32	6.6	12.8	16.4	10	21	5	42	8	26.3	23.9	8.8	10.2	20.6	6.6	31.8
	2	20	10.5	25	8.4	50	4	40	5.3	16	13.1	12.5	16.8	6.3	33.3	10	21	29.9	7	12.7	16.5	8.2	25.6
	2.5	25	8.4	31.3	6.7	62.5	3.4	50	4.2	20	10.5	15.6	13.5	7.8	26.9	12.5	16.8	37.3	5.6	15.9	13.2	10.3	20.4
	3.2	32	6.6	40	5.3	80	2.6	64	3.3	25.6	8.2	20	10.5	10	21	16	13.1	47.8	4.4	20.4	10.3	13.2	15.9
	4	40	5.3	50	4.2	100	2	80	2.6	32	6.6	25	8.4	12.5	16.8	20	10.5	59.7	3.5	25.5	8.2	16.5	12.7
	5	50	4.2	62.5	3.4	125	1.7	100	2.1	40	5.3	31.3	6.7	15.6	13.5	25	8.4	74.6	2.8	31.8	6.6	20.6	10.2
	6*	60	3.5	75	2.8	150	1.4	120	1.8	48	4.4	37.5	5.6	18.8	11.2	30	7	89.6	2.3	38.2	5.5	24.7	8.5
16×/14B	0.63	10.1	22.2	12.6	17.8	25	8.9	20.2	11.1	8.1	27.7	6.3	35.6	3.2	70	5	44.8	15	14.9	6.4	35	4	54.6
	0.8	12.8	17.5	16	14	32	7	25.6	8.8	10.2	22	8	28	4	56	6.4	35	19.1	11.7	8.2	27.3	5.3	42.3
	1	16	14	20	11.2	40	5.6	32	7	12.8	17.5	10	22.4	5	44.8	8	28	23.9	9.4	10.2	22	6.6	33.9
	1.25	20	11.2	25	9	50	4.5	40	5.6	16	14	12.5	17.9	6.3	35.6	10	22.4	29.9	7.5	12.7	17.6	8.2	27.3
	1.6	25.6	8.8	32	7	64	3.5	51.2	4.4	20.5	10.9	16	14	8	28	12.8	17.5	38.2	5.9	16.3	13.7	10.5	21.3
	2	32	7	40	5.6	80	2.8	64	3.5	25.6	8.8	20	11.2	10	22.4	16	14	47.8	4.7	20.4	11	13.2	17
	2.5	40	5.6	50	4.5	100	2.2	80	2.8	32	7	25	9	12.5	17.9	20	11.2	59.7	3.8	25.5	8.8	16.5	13.6
	3.2	51.2	4.4	64	3.5	128	1.75	102.4	2.2	41	5.5	32	7	16	14	25.6	8.8	76.4	2.9	32.6	6.9	21	10.6
	4	64	3.5	80	2.8	160	1.4	128	1.8	51.2	4.4	40	5.6	20	11.2	32	7	95.5	2.3	40.8	5.5	26.3	8.5
	5	80	2.8	100	2.2	200	1.1	160	1.4	64	3.5	50	4.5	25	9	40	5.6	119.4	1.9	51	4.4	32.9	6.8
	6*	96	2.3	120	1.9	240	0.9	192	1.2	76.8	2.9	60	3.7	30	7.5	48	4.7	143.3	1.6	61	3.7	39.5	5.7
25×/9.5B	0.63	15.8	15	19.7	12.1	39.4	6	31.5	7.5	12.6	18.8	9.8	24.2	4.9	48.5	7.9	30.1	23.5	10.1	10	23.8	6.5	36.5
	0.8	20	11.9	25	9.5	50	4.75	40	5.9	16	14.8	12.5	19	6.3	37.7	10	23.8	29.9	7.9	12.7	18.7	8.2	29
	1	25	9.5	31.3	7.6	62.5	3.8	50	4.8	20	11.9	15.6	15.2	7.8	30.4	12.5	19	37.3	6.4	15.9	14.9	10.3	23
	1.25	31.3	7.6	39.1	6.1	78	3	62.5	3.8	25	9.5	19.5	12.2	9.8	24.2	15.6	15.2	46.6	5.1	19.9	11.9	12.9	18.4
	1.6	40	5.9	50	4.8	100	2.4	80	3	32	7.4	25	9.5	12.5	19	20	11.9	59.7	4	25.5	9.3	16.5	14.4
	2	50	4.8	62.5	3.8	125	1.9	100	2.4	40	5.9	31.3	7.6	15.6	15.2	25	9.5	74.6	3.2	31.8	7.5	20.6	11.5
	2.5	62.5	3.8	78.1	3	156	1.5	125	1.9	50	4.8	39.1	6.1	19.5	12.2	31.3	7.6	93.3	2.5	39.8	6	25.7	9.2
	3.2	80	3	100	2.4	200	1.2	160	1.5	64	3.7	50	4.8	25	9.5	40	5.9	119.4	2	51	4.7	32.9	7.2
	4	100	2.4	125	1.9	250	0.95	200	1.2	80	3	62.5	3.8	31.3	7.6	50	4.8	149.3	1.6	63.7	3.7	41.2	5.8
	5	125	1.9	156.3	1.5	313	0.8	250	1	100	2.4	78.1	3	39.1	6.1	62.5	3.8	186.6	1.3	79.6	3	51.4	4.6
	6*	150	1.6	187.5	1.3	375	0.6	300	0.8	120	2	93.8	2.5	46.9	5.1	75	3.2	223.9	1.1	95.5	2.5	61.7	3.8
40×/6B	0.63	25.2	9.5	31.5	7.6	63	3.8	50.4	4.8	20.2	11.9	15.8	15.2	7.9	30.4	12.6	19	37.6	6.4	16	14.9	10.4	23
	0.8	32	7.5	40	6	80	3	64	3.8	25.6	9.4	20	12	10	24	16	15	47.8	5	20.4	11.8	13.2	18.2
	1	40	6	50	4.8	100	2.4	80	3	32	7.5	25	9.6	12.5	19.2	20	12	59.7	4	25.5	9.4	16.5	14.5
	1.25	50	4.8	62.5	3.8	125	1.9	100	2.4	40	6	31.3	7.7	15.6	15.4	25	9.6	74.6	3.2	31.8	7.5	20.6	11.7
	1.6	64	3.8	80	3	160	1.5	128	1.9	51.2	4.7	40	6	20	12	32	7.5	95.5	2.5	40.8	5.9	26.3	9
	2	80	3	100	2.4	200	1.2	160	1.5	64	3.8	50	4.8	25	9.6	40	6	119.4	2	51	4.7	32.9	7.3
	2.5	100	2.4	125	1.9	250	1	200	1.2	80	3	62.5	3.8	31.3	7.7	50	4.8	149.3	1.6	63.7	3.8	41.2	5.8
	3.2	128	1.9	160	1.5	320	0.75	256	0.9	102.4	2.3	80	3	40	6	64	3.8	191	1.3	81.5	2.9	52.7	4.6
	4	160	1.5	200	1.2	400	0.6	320	0.8	128	1.9	100	2.4	50	4.8	80	3	238.8	1	101.9	2.4	65.8	3.6
	5	200	1.2	250	1	500	0.5	400	0.6	160	1.5	125	1.9	62.5	3.8	100	2.4	298.5	0.8	127.4	1.9	82.3	2.9
	6*	240	1	300	0.8	600	0.4	480	0.5	192	1.3	150	1.6	75	3.2	120	2	358.2	0.7	152.9	1.6	98.8	2.4

* Position 6 for MZ9.5 only

** When using the planachromatic and planapochromatic objectives MZ12.5, the magnification is increased by the factor 1.25×.

Performance Features

Stereomicroscopes Leica MZ7$_5$ and MZ9$_5$	
Design principle	Multiple-coated, parfocal high-performance optical system with 2 parallel beam paths and 1 main objective (CMO), lead-free, parfocal
ESD surface resistivity	<10^{11} ohm/square, discharge time <2 seconds, 1,000 V to 100 V
Numerical aperture	MZ7$_5$: 0.164 with 1.6× planapochromatic objective, 0.082 with 1× planachromatic objective, 0.103 with 1× planapochromatic objective, 0.2 with 2× planapochromatic objective MZ9$_5$: 0.2 with 1.6× planapochromatic objective, 0.1 with 1× planachromatic objective, 0.125 with 1× planapochromatic objective, 0.25 with 2× planapochromatic objective
Resolution	MZ7$_5$: 492 lp/mm with 1.6× planapochromatic objective, 246 lp/mm with 1× planachromatic objective 309 lp/mm with 1× planapochromatic objective, 615 lp/mm with 2× planapochromatic objective MZ9$_5$: 300 lp/mm with 1× planachromatic objective, 375 lp/mm with 1× planapochromatic objective 600 lp/mm with 1.6× planapochromatic objective, 750 lp/mm with 2× planapochromatic objective
Magnification changer	MZ7$_5$: Zoom 7.9:1/MZ9$_5$: Zoom 9.5:1
Engageable ratchet positions	at 0.8, 1, 1.25, 1.6, 2, 2.5, 3.2, 4, 5 (MZ9$_5$)
Magnifications	with objective 1×/eyepieces 10×: MZ7$_5$: 6.3× to 50×, MZ9$_5$: 6.3× to 60×/with planapochromatic 2×: MZ7$_5$: 15.8× to 125×/MZ9$_5$: 15.8× to 150×
Total magnification	MZ7$_5$: 2× to 400×/with planapochromatic objective 2× to 500×/MZ9$_5$: 2× to 480×/with planapochromatic objective 2× to 600×
Field diameter	0.6mm to 105mm
Working distances	81mm (1× planachromatic), 112mm (0.8× planachromatic), 135mm (0.5× planachromatic), 97mm (0.63× planapochromatic), 55mm (1× planapochromatic), 15mm (2× planapochromatic), 19mm (1.6× planapochromatic), 27–297mm (achromats)
Planachromatic and planapochromatic objectives	0.5× (plano), 0.8× (plano), 0.63× (planapo), 1× (plano, planapo), 1.6× (planapo), 2× (planapo), lead-free
Achromatic interchangeable objectives	1×, 1.5×, 2×, 0.8×, 0.63×, 0.5×, 0.32×, ergo objective 0.4×–0.63× with 90-mm adjustment range (working distance 63.5–153.5mm)
Eyepieces	Wide-field eyepieces for eyeglass wearers distortion-free, 10×/21B, 16×/14B, 25×/9.5B, 40×/6B, low-priced wide-field eyepieces 10×/21, soft eyecups, diopter setting +5 to –5
Interpupillary distance	52 to 76mm adjustable
Binocular tubes	Various types, apochromatic ErgoTube® 10° to 50° with synchronized interpupillary adjustment, various ErgoModules®
Stands, illuminators	
Focusing drive	Coarse, fine, manual and motorized, tiltable for OEM and swing-arm stands
Length of column	300mm and 500mm side-faced column
Microscope carrier	Two basic heights, optics carrier rotatable through 360°, stereoscopic or axial observation (AX)
Swing-arm stands	Versions: ESD with column 470/35mm, antistatic base available in 2 sizes / standard with horizontal arm with ball bearing, dimensions same as ESD / large with column 800/57mm or 500/57mm, horizontal arm with ball bearing, vertical column with rack rail and crank / for ESD and standard stage clamp or flange optional
Universal stand	450/50mm or 800/50mm column, 52×34cm baseplate, magnetic carrier for stages
Transmitted-light stands	TL ST (bright-field base), TL BFDF (bright and dark field), TL RC™ (high-performance transmitted-light base for external light sources), TL RCI™ (high-performance transmitted-light base with integrated illumination)
Stages	Various, incl. rotatable polarization stage, Leica MATS Thermocontrol System with thermostage
Incident lamps	Inclined, coaxial, vertical, fiber-optic light guides, and cold-light sources, ESD-discharge, LED illumination (Laser Emitting Diode), fluorescence module
Accessories	
Phototubes	Various trinocular tubes with different light distribution, incl. ultra-low, monocular video/phototube
Integrated cameras	Leica IC A analog, IC D digital
Digital cameras	Various digital image recording systems from routine to high-end, FireWire Leica DFC camera line
3D display system	Leica IC 3D, StereoExplorer, ASD-3D display
Image archiving, analysis	Leica Application Suite (LAS), Leica Image Manager, QWin, materials work station,
Discussion tube	For training and education
Drawing tube	For right-handers and left-handers
Double-iris diaphragm	For increasing the depth of field
Measurement graticules	For length measurements and counting
Vertical and oblique observation	45° side view around the complete object
Filter-slide housing	for 2 gelatin filters (available as an accessory)

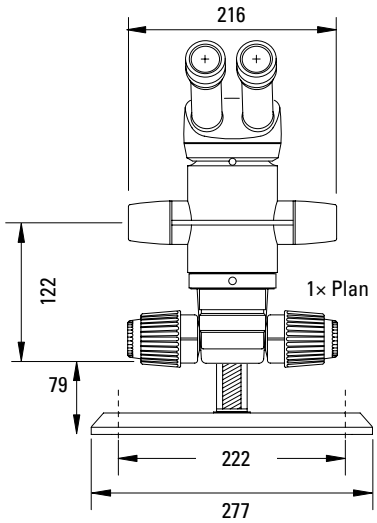
Leica MZ125 Optical Data

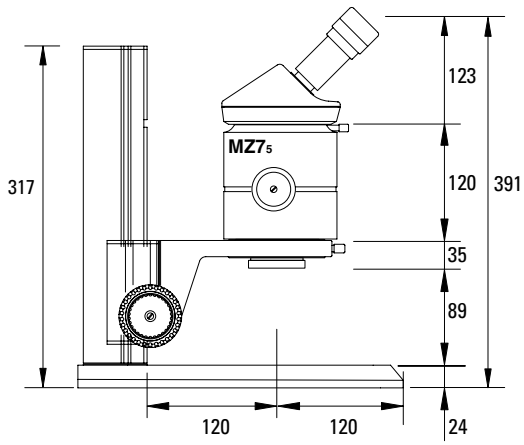
Objective		1× Plan 1× Planapo		0.5× Plan		0.63× Planapo		0.8× Plan		1.6× Planapo		2× Planapo	
Eyepieces	Magnification changer	Working distances in mm											
		60 Plan 55 Planapo		135 Plan		97 Planapo		112 Plan		19 Planapo		15 Planapo	
		Total magnification	Field diameter (mm)	Total magnification	Field diameter (mm)	Total magnification	Field diameter (mm)	Total magnification	Field diameter (mm)	Total magnification	Field diameter (mm)	Total magnification	Field diameter (mm)
10×/21B	0.8	8	26.3	4	52.5	5.1	41.2	6.4	32.8	12.8	16.4	16	13.1
	1	10	21	5	42	6.4	32.8	8	26.3	16	13.1	20	10.5
	1.25	12.5	16.8	6.3	33.3	8	26.3	10	21	20	10.5	25	8.4
	1.6	16	13.1	8	26.3	10.2	20.6	12.8	16.4	25.6	8.2	32	6.6
	2	20	10.5	10	21	12.8	16.4	16	13.1	32	6.6	40	5.3
	2.5	25	8.4	12.5	16.8	16	13.1	20	10.5	40	5.3	50	4.2
	3.2	32	6.6	16	13.1	20.5	10.2	25.6	8.2	51.2	4.1	64	3.3
	4	40	5.3	20	10.5	25.6	8.2	32	6.6	64	3.3	80	2.6
	5	50	4.2	25	8.4	32	6.6	40	5.3	80	2.6	100	2.1
	6.3	63	3.3	31.5	6.7	40.3	5.2	50.4	4.2	100.8	2.1	126	1.7
	8	80	2.6	40	5.3	51.2	4.1	64	3.3	128	1.6	160	1.3
	10	100	2.1	50	4.2	64	3.3	80	2.6	160	1.3	200	1.1
16×/14B	0.8	12.8	17.5	6.4	35	8.2	27.3	10.2	22	20.5	10.9	25.6	8.8
	1	16	14	8	28	10.2	22	12.8	17.5	25.6	8.8	32	7
	1.25	20	11.2	10	22.4	12.8	17.5	16	14	32	7	40	5.6
	1.6	25.6	8.8	12.8	17.5	16.4	13.7	20.5	10.9	41	5.5	51.2	4.4
	2	32	7	16	14	20.5	10.9	25.6	8.8	51.2	4.4	64	3.5
	2.5	40	5.6	20	11.2	25.6	8.8	32	7	64	3.5	80	2.8
	3.2	51.2	4.4	25.6	8.8	32.8	6.8	41	5.5	81.9	2.7	102.4	2.2
	4	64	3.5	32	7	41	5.5	51.2	4.4	102.4	2.2	128	1.8
	5	80	2.8	40	5.6	51.2	4.4	64	3.5	128	1.8	160	1.4
	6.3	100.8	2.2	50.4	4.4	64.5	3.5	80.6	2.8	161.3	1.4	201.6	1.1
	8	128	1.8	64	3.5	81.9	2.7	102.4	2.2	204.8	1.1	256	0.9
	10	160	1.4	80	2.8	102.4	2.2	128	1.8	256	0.9	320	0.7
25×/9.5B	0.8	20	11.9	10	23.8	12.8	18.6	16	14.8	32	7.4	40	5.9
	1	25	9.5	12.5	19	16	14.8	20	11.9	40	5.9	50	4.8
	1.25	31.3	7.6	15.6	15.2	20	11.9	25	9.5	50	4.8	62.5	3.8
	1.6	40	5.9	20	11.9	25.6	9.3	32	7.4	64	3.7	80	3
	2	50	4.8	25	9.5	32	7.4	40	5.9	80	3	100	2.4
	2.5	62.5	3.8	31.3	7.6	40	5.9	50	4.8	100	2.4	125	1.9
	3.2	80	3	40	5.9	51.2	4.6	64	3.7	128	1.9	160	1.5
	4	100	2.4	50	4.8	64	3.7	80	3	160	1.5	200	1.2
	5	125	1.9	62.5	3.8	80	3	100	2.4	200	1.2	250	1
	6.3	157.5	1.5	78.8	3	100.8	2.4	126	1.9	252	0.9	315	0.8
	8	200	1.2	100	2.4	128	1.9	160	1.5	320	0.7	400	0.6
	10	250	1	125	1.9	160	1.5	200	1.2	400	0.6	500	0.5
40×/6B	0.8	32	7.5	16	15	20.5	11.7	25.6	9.4	51.2	4.7	64	3.8
	1	40	6	20	12	25.6	9.4	32	7.5	64	3.8	80	3
	1.25	50	4.8	25	9.6	32	7.5	40	6	80	3	100	2.4
	1.6	64	3.8	32	7.5	41	5.9	51.2	4.7	102.4	2.3	128	1.9
	2	80	3	40	6	51.2	4.7	64	3.8	128	1.9	160	1.5
	2.5	100	2.4	50	4.8	64	3.8	80	3	160	1.5	200	1.2
	3.2	128	1.9	64	3.8	81.9	2.9	102.4	2.3	204.8	1.2	256	0.9
	4	160	1.5	80	3	102.4	2.3	128	1.9	256	0.9	320	0.8
	5	200	1.2	100	2.4	128	1.9	160	1.5	320	0.8	400	0.6
	6.3	252	1	126	1.9	161.3	1.5	201.6	1.2	403.2	0.6	504	0.5
	8	320	0.8	160	1.5	204.8	1.2	256	0.9	512	0.5	640	0.4
	10	400	0.6	200	1.2	256	0.9	320	0.8	640	0.4	800	0.3

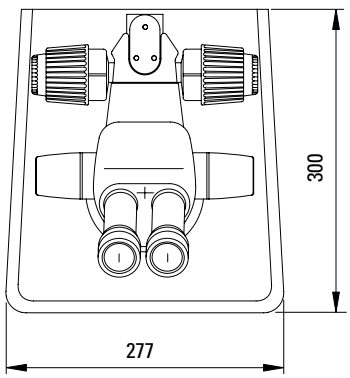
Performance Features

Leica MZ12$_5$ stereomicroscope	
Design principle	Multiple-coated, parfocal high-performance optical system with 2 parallel beam paths and 1 main objective (CMO), lead-free, parfocal
ESD surface resistivity	<10^{11} ohm/square, discharge time <2 seconds, 1,000 V to 100 V
Numerical aperture	0.2 with 1.6× planapo objective, 0.125 with 1× plan or planapo objective
Resolution	375 lp/mm with 1× plano or planapochromatic objective, 600 lp/mm with 1.6× planapochromatic objective, 750lp/mm with 2× planapochromatic objective
Magnification changer	MZ12$_5$: zoom 12.5:1, 0.8× to 10×
Engageable ratchet positions	MZ12$_5$: 1, 1.25, 1.6, 2, 2.5, 3.2, 4, 5, 6.3, 8
Magnifications	with 1× objective / 10× eyepieces: 8× to 100×
Total magnification	4× to 640
Field diameter	MZ12$_5$: 0.4mm to 52.5mm / MZ16 and MZ16 A: 0.3mm to 59mm
Working distances	60mm (1× planachromatic), 112mm (0.8× planachromatic), 135mm (0.5× planachromatic), 97mm (0.63× planapochromatic), 55mm (1× planapochromatic), 15mm (2× planapochromatic), 19mm (1.6× planapochromatic), 91–400mm (achromats)
Planachromatic and	1× (plan, planapo), 0.8× (plan), 0.5× (plan), 0.63× (planapo), 1.6× (planapo), 2× (planapo), planapochromatic objectives lead-free
Distortion-free	wide-angle eyepieces for eyeglass wearers, 10×/21B, 16×/14B, 25×/9.5B, 40×/6B, soft eyecups
Dioptric correction	+5 to–5
Interpupillary distance	52 to 76mm adjustable
Binocular tubes	Various types, apochromatic ErgoTube® 10° to 50° with synchronized interpupillary adjustment, various ErgoModules®
Stands, illuminators	
Focusing drive	Coarse/fine, manual and motorized, tiltable for OEM and swing-arm stands
Length of column	300mm and 500mm side-faced column
Microscope carrier	Two basic heights, optics carrier rotatable through 360°, stereoscopic or axial observation (AX)
Swing-arm stands	Versions: ESD with column 470/35mm, antistatic base available in 2 sizes / standard with horizontal arm with ball bearing, dimensions same as ESD / large with column 800/57mm or 500/57mm, horizontal arm with ball bearing, vertical column with rack rail and crank / for ESD and standard stage clamp or flange optional
Universal stand	450/50mm or 800/50mm column, 52×34cm baseplate, magnetic carrier for stages
Transmitted-light stands	TL ST (bright-field base), TL BFDF (bright and dark field), TL RC™ (high-performance transmitted-light base for external light sources), TL RCI™ (high-performance transmitted-light base with integrated illumination)
Stages	Various, incl. rotatable polarization stage, Leica MATS Thermocontrol System with thermostage
Incident lamps	Inclined, coaxial, vertical, fiber-optic light guides, and cold-light sources, ESD-discharge, LED illumination (Laser Emitting Diode), fluorescence module
Accessories	
Phototubes	Various trinocular tubes with different light distribution, incl. ultra-low, monocular video/phototube
Integrated cameras	Leica IC A analog, IC D digital
Digital cameras	Various digital image recording systems from routine to high-end, FireWire Leica DFC camera line
3D display system	Leica IC 3D, StereoExplorer, ASD-3D display
Image archiving, analysis	Leica Application Suite (LAS), Leica Image Manager, QWin, materials work station,
Discussion tube	for training and education
Drawing tube	for right-handers and left-handers
Double-iris diaphragm	For increasing the depth of field
Measurement graticules	For length measurements and counting
Vertical and oblique observation	45° side view around the complete object
Filter-slide housing	for 2 gelatin filters (available as an accessory)

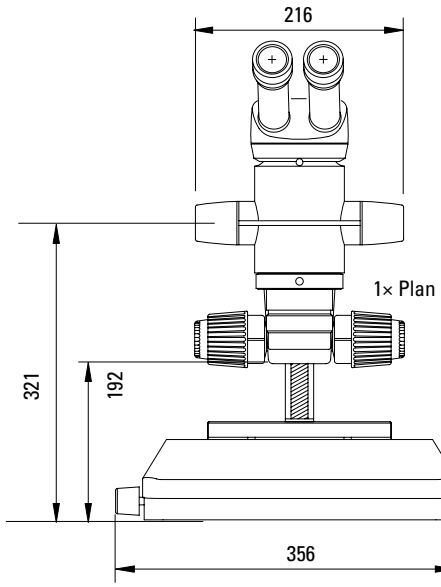
Dimensions of Leica MZ7.5 with incident-light stand

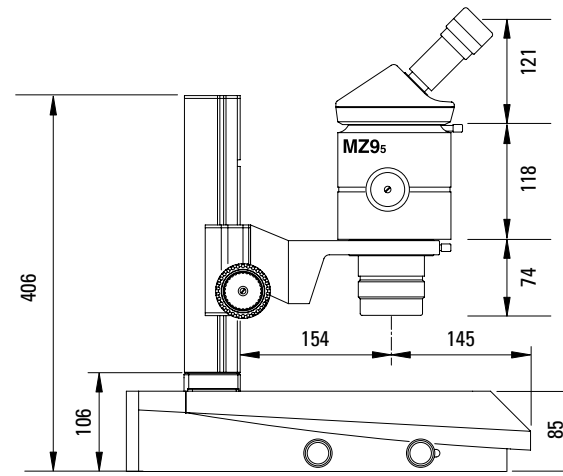


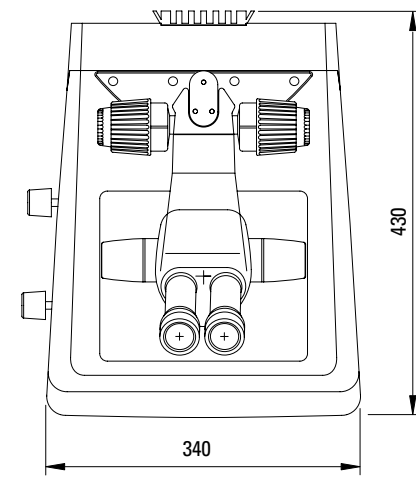




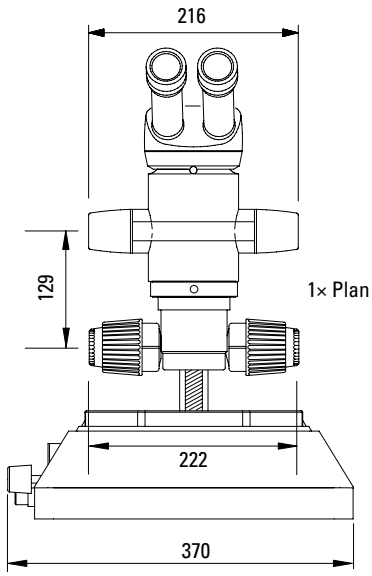
Dimensions of Leica MZ9.5 with TL ST Transmitted-Light Stand

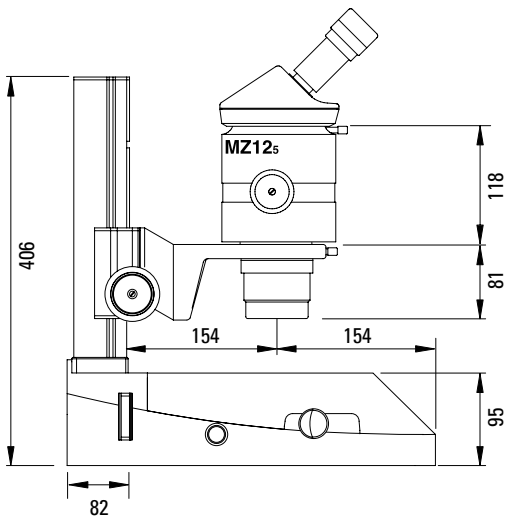


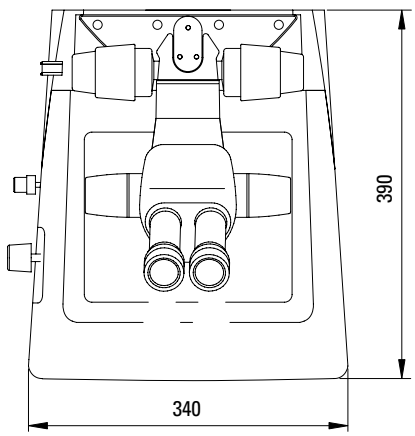


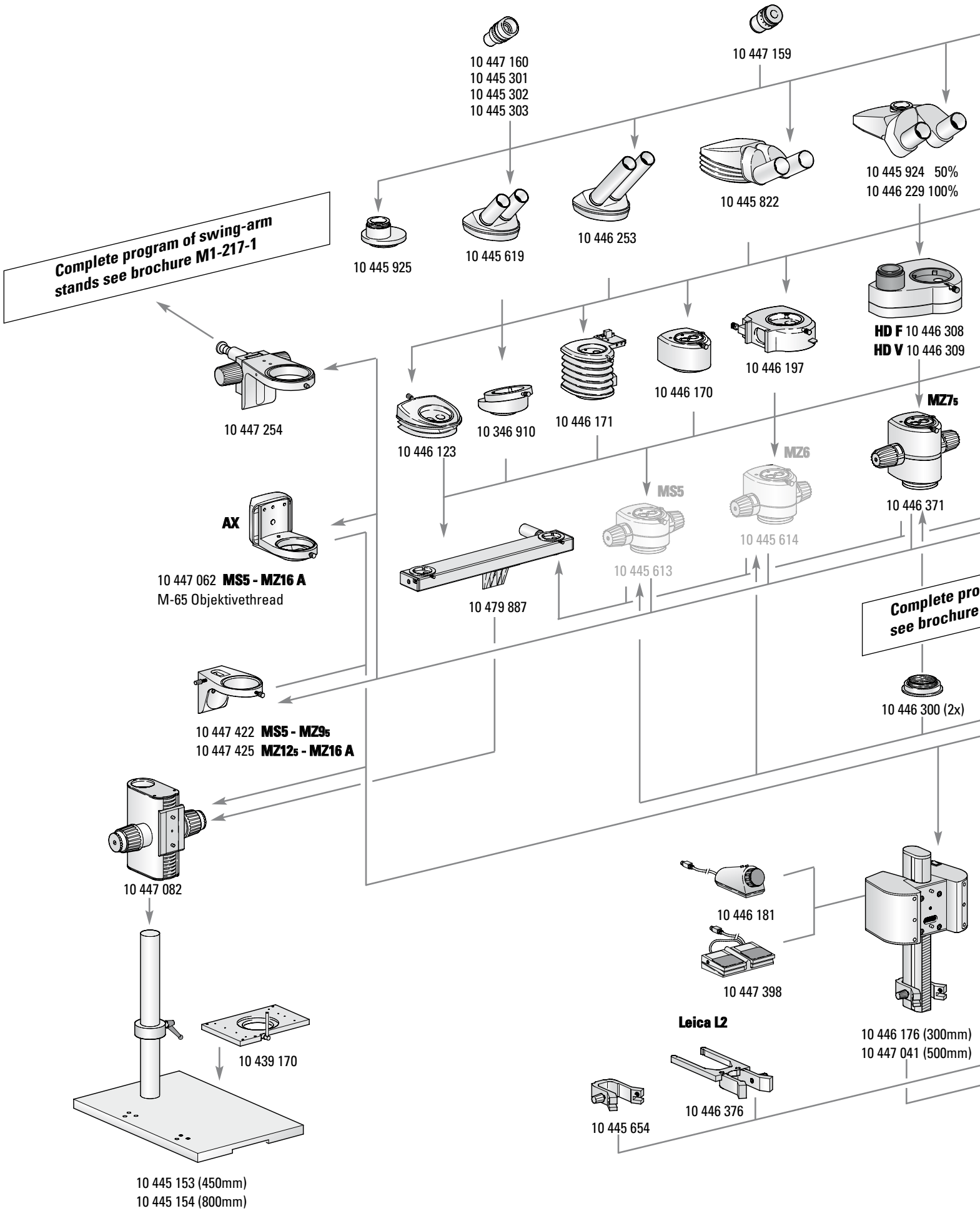


Dimensions of Leica MZ12$_5$ with TL RC™ Transmitted-Light Stand








10 447 160
10 445 301
10 445 302
10 445 303
10 447 159
10 445 924 50%
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10 445 619
10 445 925
Complete program of swing-arm stands see brochure M1-217-1
HD F 10 446 308
HD V 10 446 309
10 446 197
10 446 170
10 446 171
10 346 910
10 446 123
10 447 254
MZ7₅
10 446 371
MZ6
10 445 614
MS5
10 445 613
AX
10 447 062 MS5 - MZ16 A
M-65 Objektivethread
10 479 887
Complete pro
see brochure
10 446 300 (2x)
10 447 422 MS5 - MZ9₅
10 447 425 MZ12₅ - MZ16 A
10 447 082
10 446 181
10 447 398
Leica L2
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10 447 041 (500mm)
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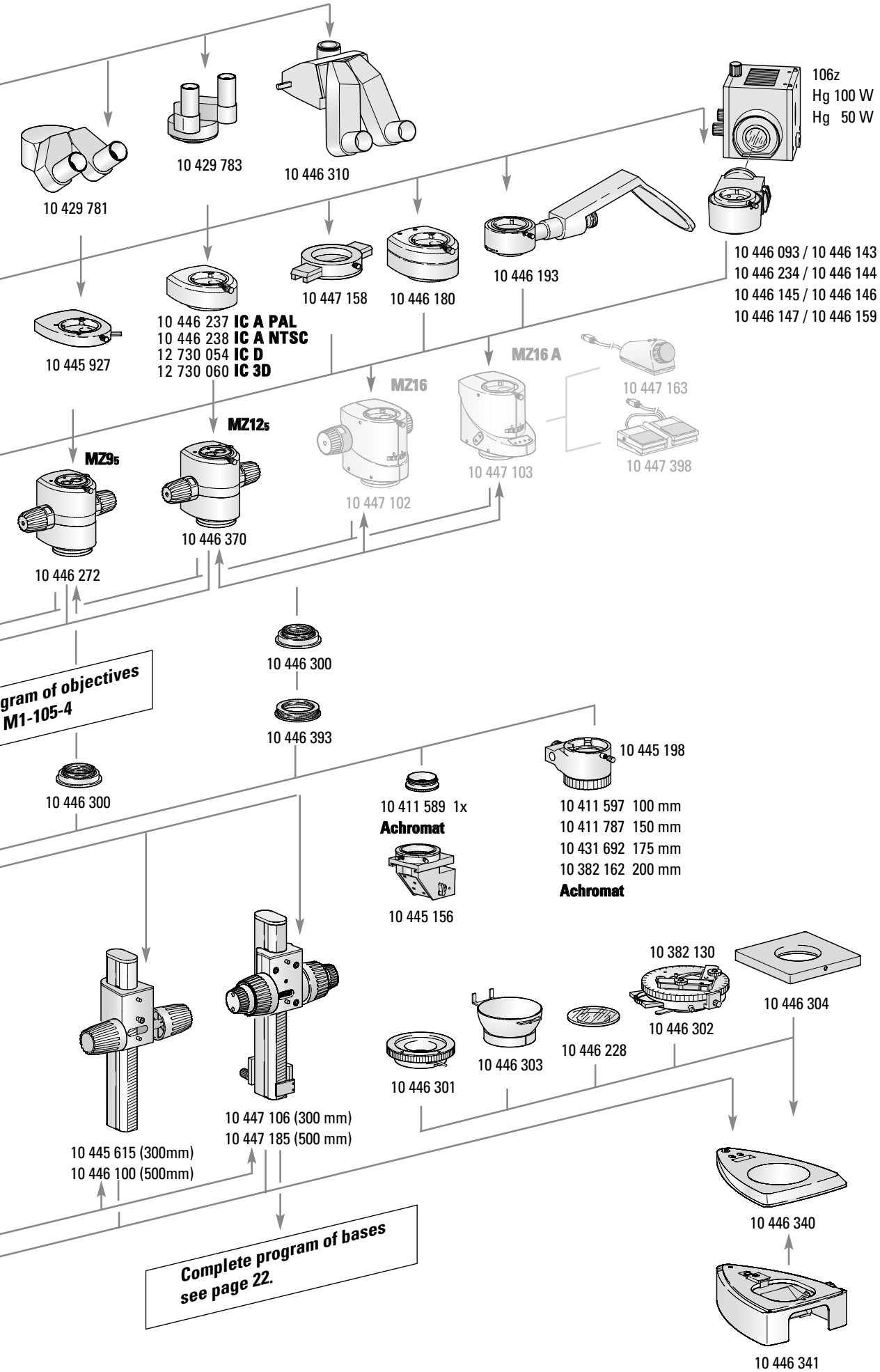
10 445 654
10 446 376
10 445 153 (450mm)
10 445 154 (800mm)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106z
Hg 100 W
Hg 50 W
10 446 093 / 10 446 143
10 446 234 / 10 446 144
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10 446 147 / 10 446 159
10 446 193
10 447 158
10 446 180
10 445 927
10 446 237 IC A PAL
10 446 238 IC A NTSC
12 730 054 IC D
12 730 060 IC 3D
MZ16 A
MZ16
MZ12s
MZ9s
10 447 163
10 447 398
10 447 103
10 447 102
10 446 370
10 446 272
10 446 300
10 446 393
gram of objectives
M1-105-4
10 446 300
10 411 589 1x
Achromat
10 445 198
10 411 597 100 mm
10 411 787 150 mm
10 431 692 175 mm
10 382 162 200 mm
Achromat
10 445 156
10 382 130
10 446 304
10 446 302
10 446 303
10 446 228
10 446 301
10 447 106 (300 mm)
10 447 185 (500 mm)
10 445 615 (300mm)
10 446 100 (500mm)
10 446 340
10 446 341
Complete program of bases
see page 22.

Parts List

Optics Carrier, Microscope Carrier

10 446 371 MZ7[5] optics carrier with 7.9:1 zoom magnification changer
10 446 272 MZ9[5] optics carrier with 9.5:1 zoom magnification changer
10 446 370 MZ12[5] optics carrier with 12.5:1 zoom magnification changer

For a detailed description of the Leica M series, see the brochure M1-105-4

10 447 422 Microscope carriers MS5, MZ6, MZ7[5], MZ9[5], MZ12[5] for focusing drive
10 447 062 Microscope carrier AX for MZ12[5], MZ16, MZ16 A with switchover to axial photography

MS5, MZ6, MZ7[5], MZ9[5] Objectives

10 447 148 Ergo objective 0.4×–0.63×, achromat
10 446 172 Intermediate ring for MZ12[5]/MZ16 objectives on MS5/MZ6/MZ7[5]
10 446 275 Planachromatic objective 1× for MS5/MZ6/MZ7[5]/MZ9[5]
10 422 564 Achromatic objective 0.32×
10 422 563 Achromatic objective 0.5×
10 445 201 Achromatic objective 0.63×
10 473 832 Achromatic objective 0.8×
10 411 589 Achromatic objective 1×
10 422 562 Achromatic objective 1.5×
10 447 081 Achromatic objective 2×

10 445 156 Attachment for vertical and oblique observation® to objective achromat 1×*

* **Order**
– for MZ7[5] intermediate ring 10 446 300 (2×)
– for MZ9[5] intermediate ring 10 446 300
– for MZ12[5] and MZ16 intermediate rings 10 446 300 and 10 446 393

Objectives for MZ9[5]/MZ12[5]/MZ16/MZ16 A

10 445 819 Planachromatic objective 1×
10 446 157 Planachromatic objective 0.5×
10 447 075 Planachromatic objective 0.8×

10 447 157 Planapochromatic objective 1×
10 447 051 Planapochromatic objective 0.63×
10 447 050 Planapochromatic objective 1.6×
10 447 101 Planapochromatic objective 2×

10 447 107 Objective turret MZ16/MZ16 A
10 447 060 Attachment to objective turret MZ16/MZ16 A

10 411 597* Achromatic objective f= 100mm
10 441 787* Achromatic objective f= 150mm
10 431 692* Achromatic objective f= 175mm
10 382 162* Achromatic objective f= 200mm
10 457 297* Achromatic objective f= 225mm
10 407 743* Achromatic objective f= 250mm
10 457 298* Achromatic objective f= 275mm
10 382 168* Achromatic objective f= 300mm
10 431 693* Achromatic objective f= 350mm
10 382 172* Achromatic objective f= 400mm

* Objectives for vertical illuminator

Tubes, ErgoModules®

10 445 619 Inclined binocular tube 45°
10 446 253 ErgoTube® 45°
10 429 781 Inclined binocular tube, low
10 429 783 Straight binocular tube
10 446 123 ErgoWedge® 5°–25°
10 446 171 ErgoModule® 30mm–120mm
10 446 170 ErgoModule® 50mm
10 346 910 ErgoWedge® ±15
10 445 822 ErgoTube® with variable viewing angle 10°–50°
10 479 887 Discussion tube with carrier
10 446 193 Drawing tube
10 445 927 Double-iris diaphragm
10 446 308 Video/phototube HD-F, 50%, 50%
10 446 309 Video/phototube HD-V, 100%, 50%, 50%, 100%
10 446 197 Video/phototube HD-50
10 445 924 Trinocular video/photo tube 50%
10 446 229 Trinocular video/photo tube 100%
10 446 310 Trinocular tube, ultra-low, 100%, 100%

Eyepieces

10 447 159 Wide field eyepiece 10×/21, adjustable, with eyecup, inclined
10 447 160 Wide field eyepiece for eyeglass wearers 10×/21B, distortion-free, adjustable, lead-free, with eyecup and soft eyecup
10 445 301 Wide field eyepieces for eyeglass wearers 16×/14B, distortion-free, adjustable, with eyecup
10 445 302 Wide field eyepieces for eyeglass wearers 25×/9.5B, distortion-free, adjustable, with eyecup
10 445 303 Wide field eyepieces for eyeglass wearers 40×/6B, distortion-free, adjustable, with eyecup

Dust Covers

10 447 039 Dust cover, antistatic
10 362 677 Dust cover for photo equipment and for universal stand (800-mm column)
10 126 269 Dust cover for large swing-arm and table-clamp stand
10 362 678 Dust cover for discussion stereomicroscope, swing-arm and universal stand (450mm column)

Incident-Light Stands/Components

10 446 340 Incident-light base with black/white stage plate
10 445 631 Incident-light base, large, with black/white stage plate
10 446 341* Transmitted-light base with reflector for 10 446 340
*Cold-light source with fiber-optic light guide necessary

10 445 615 Focusing drive with side-faced column 300mm for incident and transmitted-light bases
10 446 100 Focusing drive with side-faced column 500mm for incident and transmitted-light bases
10 447 106 Focusing drive, coarse/fine, with side-faced column 300mm for incident and transmitted-light stands
10 447 185 Focusing drive, coarse/fine, with side-faced column 500mm for incident and transmitted-light stands

10 446 176 Motor focusing drive with column 300mm and supply unit for incident and transmitted-light bases
10 447 041 Motor focusing drive with column 500mm and supply unit for incident and transmitted-light bases
10 446 181 Motor focus manual control
10 447 398 Motor focus foot switch

10 445 153 Baseplate with column 450/50mm
10 445 154 Baseplate with column 800/50mm
10 445 629 Drive housing with coarse/fine drive for discussion tube or microscope carrier
10 447 082 Drive housing for universal stand

10 447 254 Inclinable focusing drive

Incident and transmitted-light bases

10 446 340 Incident-light base for S series
10 446 341 Sub-base for transmitted light for S-series incident-light base
10 447 342 Incident-light base for M series
10 446 350 Transmitted-light base TL ST
10 446 351 Transmitted-light base TL BFDF
10 447 390 Transmitted-light base TL RC™ for external cold light sources
10 446 352 Transmitted-light base TL RCI™ with integrated halogen illumination
10 445 615 Focusing drive with side-faced column 300mm, for incident and transmitted-light bases
10 447 106 Focusing drive, coarse/fine, with side-faced column 300mm for incident and transmitted-light stands
10 446 176 Motor focusing drive with column 300mm and supply unit for incident and transmitted-light bases
10 446 353 Manual cross-stage Leica IsoPro™ for TL BFDF, TL RC™, and TL RCI™ transmitted-light bases and incident-light base (with adapter 10 447 368)
10 447 305 Motorized cross-stage Leica IsoPro™ for TL BFDF, TL RC™, TL RCI™ transmitted-light bases and incident-light base (with adapter 10 447 368)

Illuminations

10 446 180 Coaxial incident-light housing for fiber-optic light*
*Complete the illuminations 10 446 180 and 10 445 198 with a fiber-optic light guide (active dia. = 10mm, end tube dia. = 13mm) and a light source.
For $MZ7_5$/$MZ9_5$ order intermediate ring 10 446 300
10 445 352 Quarter-wave plate for achromats, for use with microscope carrier AX with coaxial incident light
10 367 929 Analyzer in rotatable mount for planachromatic and planapochromatic, for use with microscope carrier AX with coaxial incident light
10 445 198 Vertical incident-light housing for fiber-optic light guides and achromats $MZ12_5$. Order
– for $MZ7_5$ spacer ring 10 446 300 (2×)
– for $MZ9_5$ spacer ring 10 446 300
– for $MZ12_5$ and spacer rings 10 446 300 and 10 446 39_3

10 445 314 Step transformer 4/5/6V, 10VA, prim. 115 /230V, with power cable
10 447 262 Regulating transformer 5.3V–7.5V/40VA, 115V/230V
10 280 636 Power cable, 2.5m, 3-pole, Switzerland
10 445 661 Power cable, 2m, USA
10 445 662 Power cable, 2m, EURO
10 445 663 Power cable, 2m–2.5m, BS
10 450 012 Power cable, 2m, Argentina, Type K
10 450 013 Power cable, 2m, Australia, Type F
10 450 014 Power cable, 2m, China, Type L
10 450 015 Power cable, 2m, Israel, Type I
10 450 016 Power cable, 2m, Italy, Type E
10 450 017 Power cable, 2m, South Africa, Type D
10 370 881 Halogen bulb 6V/10W
10 362 658 Halogen bulb 6V/20W
10 447 158 Filter-slide housing

Fluorescence Modules

Order a lamp housing 105Z or 106Z with supply unit
10 446 093 Fluorescence module GFP
10 446 143 Fluorescence module GFP Plus
10 446 234 Fluorescence module GFP plants
10 446 144 Fluorescence module UV
10 446 145 Fluorescence module violet
10 446 146 Fluorescence module blue
10 446 147 Fluorescence module green
10 446 159 Fluorescence module without filter set
10 446 148 GFP filter set for fluorescence module
10 446 149 GFP plus filter set for fluorescence module
10 446 235 GFP plant filter set for fluorescence module
10 446 150 UV filter set for fluorescence module
10 446 151 Violet filter set for fluorescence module
10 446 152 Blue filter set for fluorescence module
10 446 153 Green filter set for fluorescence module
10 446 154 Glare protection
10 445 654 Clamp, column/lamp holder

Stages

10 446 301 Gliding stage ∅120mm
10 446 304 Universal carrier ∅120mm
10 446 303 Cup stage ∅120mm
10 439 169 Stage carrier with magnetic linkage for stages, dia. 80mm
10 439 170 Stage carrier with magnetic linkage for cross-stage*
* available upon request

For details see brochure M1-227-0

10 447 164 Leica MATS thermostage Type A with control device for transmitted-light base HL
10 447 165 Leica MATS thermostage Type B with control device for transmitted-light base HF/DF

Polarization

10 446 302 Rotatable polarization stage ∅120mm with polarizer and glass stage plate, clear
10 382 130 Attachable mechanical stage for rotatable polarization stage
10 361 719 Sensitive-tint plate for rotatable polarization stage
10 315 306 Analyzer in rotatable mount for achromat
10 367 929 Analyzer in rotatable mount for planachromatic and planapochromatic
10 446 228 Glass stage plate with polarizer ∅120mm for transmitted-light stands

Measuring

10 376 119 Graticule with scale 12mm:120 and crosshair
10 394 771 Graticule with scale 5mm:100
10 376 122 Graticule with grid 100×1mm²
10 376 120 Crosshair graticule
10 398 408 Graticule, unlabeled, with mount
10 310 345 Stage micrometer, 50-mm scale with 0.1mm and 0.01-mm graduation

Integrated Video Systems and Digital Cameras

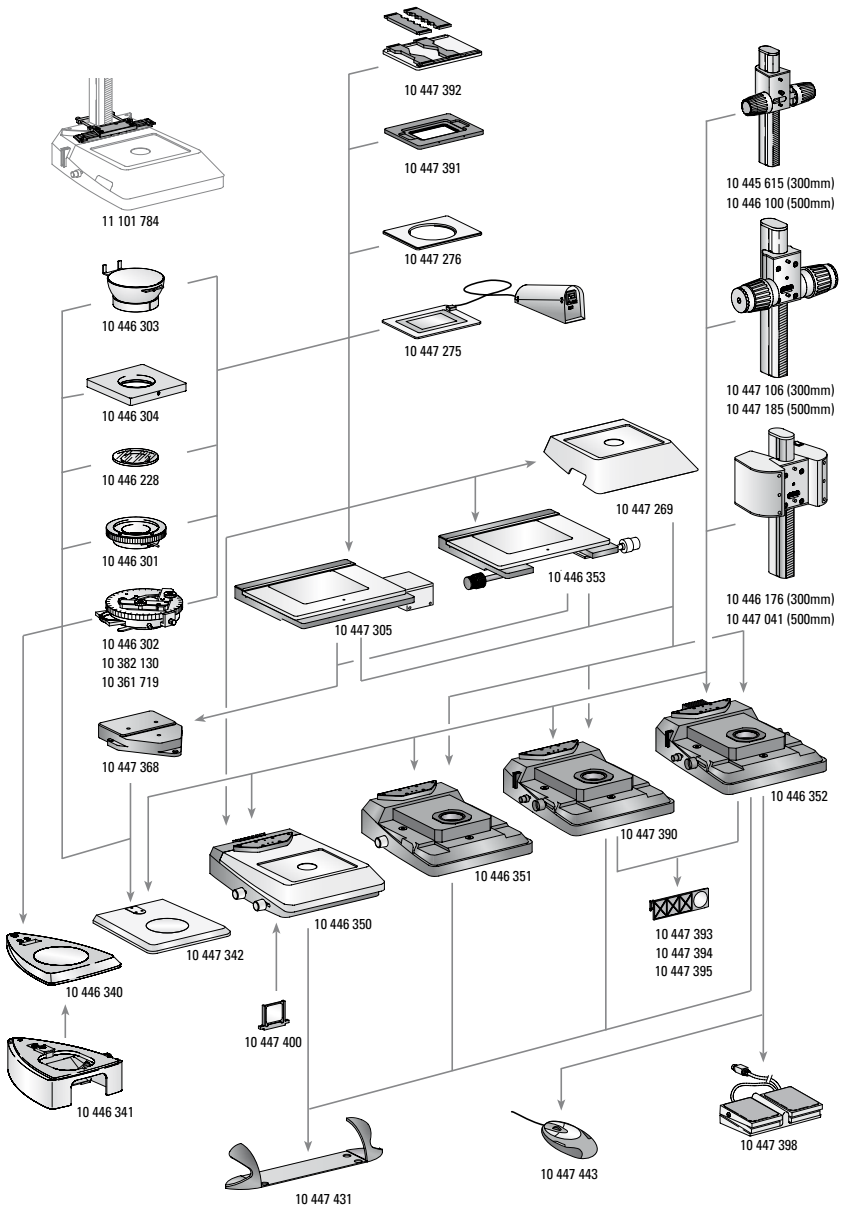
12 730 054 Leica IC D camera kit with Leica IC D camera, 2m 6-pin to 6-pin FireWire cable, Leica DFC Twain software

Detailed information in brochure M1-393-4.

10 446 237 Leica IC A video module with integrated CCD and camera control, PAL
10 446 238 Leica IC A video module with integrated CCD and camera control, NTSC
12 730 060 Leica IC 3D camera kit with Leica IC 3D stereo camera, 2m 6-pin/6-pin FireWire cable, Leica DFC Twain software

Detailed information in the brochure M1-525-5 (Leica 3D system with Leica IC 3D stereo camera Stereo Explorer and ASD18 3D monitor)

Incident and Transmitted-Light Bases



Incident and transmitted-light bases

10 446 340 Incident-light base for S series
10 446 341 Sub-base for transmitted light for S series incident-light base
10 447 342 Incident-light base for M series
10 446 350 Transmitted-light base TL ST
10 446 351 Transmitted-light base TL BFDF
10 447 390 Transmitted-light base TL RC™ for external cold light sources
10 446 352 Transmitted-light base TL RCI™ with integrated halogen illumination

Stages

10 447 269 Standard stage for TL BFDF, TL RC™ and TL RCI™ transmitted-light bases
10 446 353 Manual cross-stage Leica IsoPro™ for TL BFDF, TL RC™, and TL RCI™ transmitted-light bases and incident-light base (with adapter 10 447 368)
10 447 305 Motorized cross-stage Leica IsoPro™ for TL BFDF, TL RC™, TL RCI™ transmitted-light bases and incident-light base (with adapter 10 447 368)
10 447 368 Adapter between cross-stage and incident-light base 10 447 342

10 447 275 Leica MATS TL heating stage insert with control unit for transmitted-light bases
10 447 276 Adapter for stages with ∅120mm
10 447 391 Stage for LifeOnStage accessories
10 447 392 Universal carrier for Petri dishes, glass slides (up to four) etc.

11 101 784 Column adapter for micromanipulation
10 446 301 Gliding stage ∅120mm
10 446 302 Polarization stage, ∅120mm
10 382 130 Attachable mechanical stage for polarization stage
10 361 719 Sensitive-tint plate for Pol rotating stage
10 446 303 Cup stage, ∅120mm
10 446 304 Universal carrier, ∅120mm
10 446 228 Glass stage plate with Pol, ∅120mm
10 450 058 Black/white stage plate for TL bases
10 450 059 Replacement buttons for IsoPro™ manual cross-stage

Focusing drives

10 445 615 Focusing drive with side-faced column 300mm for incident and transmitted-light bases
10 446 100 Focusing drive with side-faced column 500mm for incident and transmitted-light bases
10 447 106 Focusing drive, coarse/fine, with side-faced column 300mm for incident and transmitted-light stands
10 447 185 Focusing drive, coarse/fine, with side-faced column 500mm for incident and transmitted-light stands
10 446 176 Motor focusing drive with column 300mm and supply unit for incident and transmitted-light bases
10 447 041 Motor focusing drive with column 500mm and supply unit for incident and transmitted-light bases

Filters

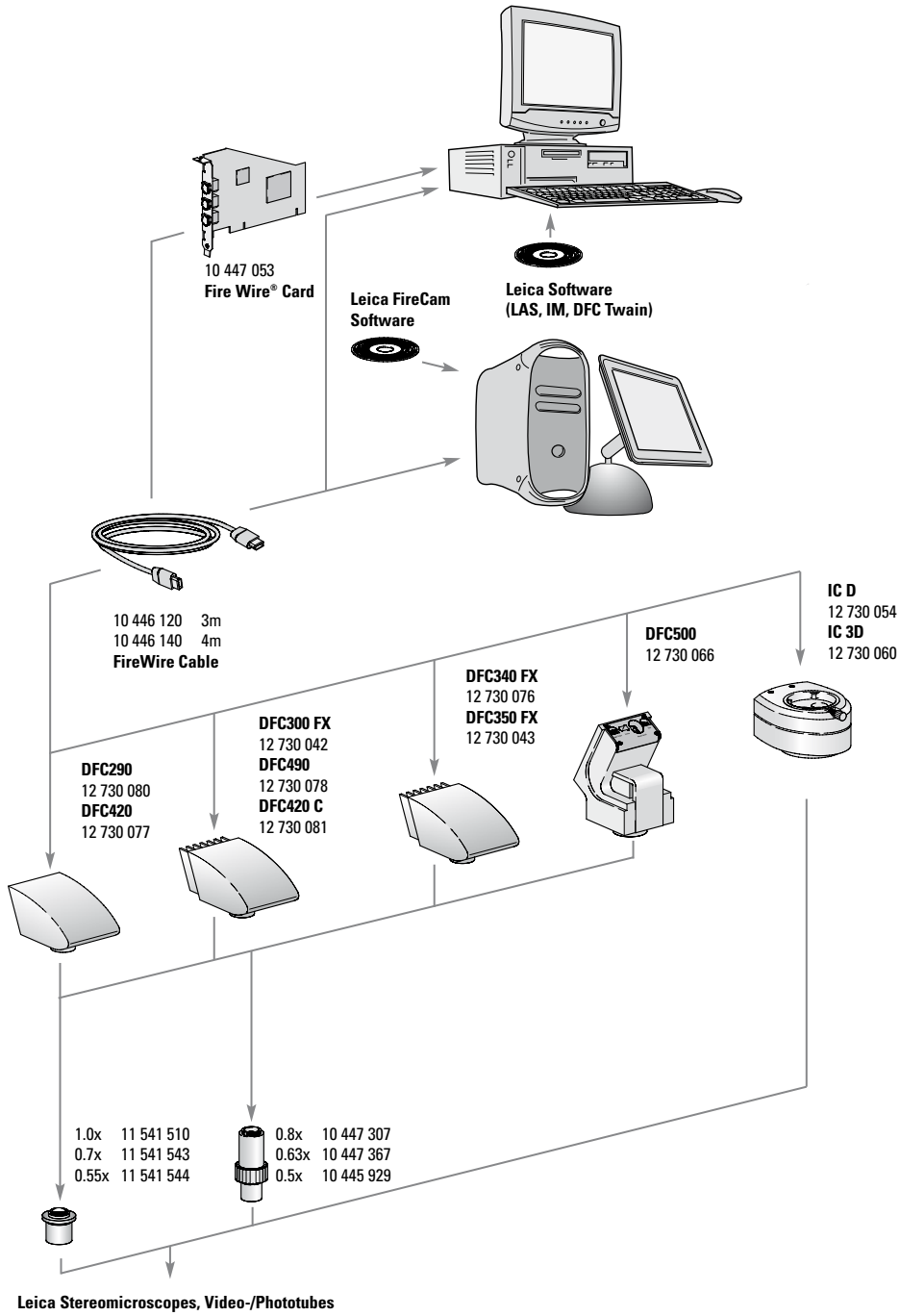
10 447 400 Daylight filter for TL ST base
10 447 394 BG38 fluorescence filter for TL RC™/ RCI™ transmitted-light base
10 447 395 UV filter for TL RC™/ RCI™ base
10 447 393 ND filter (gray filter) for TL RC™/ RCI™ base

Controls

10 447 443 Leica USB mouse, user-programmable five-button mouse for connection to the TL RCI™ transmitted-light base or PC
10 450 096 USB cable for connecting the TL RCI™ base to the PC
10 447 398 Footswitch with CTL2 bus connection

Ergonomic accessories

10 447 431 Leica ErgoRest



Digital Camera Systems

12 730 080 Leica DFC290 camera kit
12 730 042 Leica DFC300 FX camera kit
12 730 076 Leica DFC340 FX camera kit
12 730 043 Leica DFC350 FX camera kit
12 730 077 Leica DFC420 camera kit
12 730 081 Leica DFC420 C camera kit
12 730 078 Leica DFC490 camera kit
12 730 066 Leica DFC500 camera kit

The camera kits contain: The respective Leica camera, Leica LAS Software for PC, Leica DFC Twain software for PC, Leica Firecam software for Mac, Leica IM50 Image Manager for PC, 3m FireWire cable 6-to-6-pin

12 730 054 Leica IC D camera kit
12 730 060 IC 3D camera kit

12 730 177 Leica DC150 digital camera system with C-mount adapter and camera software

Accessories

12 447 140 FireWire cable 4m, 6-to-6 pin
12 447 053 OHCI FireWire PCI card for PCs without FireWire interface
12 447 066 Laptop PCMCIA FireWire interface card
12 730 049 Laptop Power Kit, FireWire hub with AC adapter for 4-pin or unpowered 6-pin FireWire devices

Unlimited Applications

Increasingly more complex tasks in science and industry require application-specific solutions with top-notch quality. Leica Microsystems is a leading company in the development of innovative quality optics and enjoys an excellent reputation in research labs and enterprises.

The Leica M series consists of a high-quality and convincing stereomicroscope program for all applications. The Common Main Objective design consists of two parallel beam paths with a common main objective. This elaborate optics system guarantees viewing without tiring, constant sharpness during magnification change and allows for simple adaptation of all types of accessories.

The complete range of Leica stereomicroscope stands and illuminators allows the Leica MZ75 to be equipped for any task. Voluminous objects, for example, can be handled without space restrictions under the **swing-arm stand**. The spacious **incident and transmitted-light stands** provide space for comfortable specialty stages such as the gliding stage and cup stage and the thermo stage Leica MATS. The **Thermocontrol System Leica MATS** allows observation of temperature-sensitive specimens and living cells in biology, medicine and pharmaceutics under exact temperature conditions.

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