

Living up to Life

Leica
MICROSYSTEMS

Leica DM500 & DM750

A New Generation's Choice of Innovative Educational Microscopes



Made for Future Nobel Prize Winners

Science Teaching Revitalized

The more time the instructor has to teach, the more students can learn. The Leica DM500 and DM750 microscopes were specifically developed to revitalize science teaching and to achieve the goal of more hands-on time for Life Science courses. With many student-friendly features and high-quality construction, the Leica DM500 and DM750 invigorate science learning and teach the next generation of scientists effectively and efficiently.

SUPERB OPTICS

- › Based on the same optical platform as Leica Microsystems' research microscope line, students enjoy outstanding optical performance with full access to virtually all accessories from Leica's microscope product line.
- › NEW! 100× dry (no oil needed) objective provides very high resolution (N.A. 0.8) while eliminating the need for oil.

EZLITE™

- › LED illumination provides cool, white light with a lifetime of over 20 years average use. There is no need to change lamps during lab time, and this saves the expense of replacement lamps as well.
- › The cost-savings pays for several microscopes over their lifetimes.

SAFETSTAGE™

- › Microscope stage maintains its dimension, which eliminates the chance of injury from contact with a conventional stage rack.
- › Rounded edges are easy on the skin.

EZSTORE™

- › Integrated vertical handle provides easy carrying and lifting when storing on high shelves; undercut on front of stand works in combination with the handle for safer, two-handed carrying.
- › Integrated cord wrap eliminates damage to microscope components from improper cord wrapping; vertical cord insertion prevents the cord from pulling partially out of the stand while in storage or in use.
- › The unique shape of the microscope stand protects controls from damage when microscopes are stored side-by-side.

EZGUIDE™

- › Student friendly slide holder helps prevent slide chipping.

AGTREAT™

- › The possible contamination with germs from surfaces is of great concern, especially in educational environments. Leica Microsystems has integrated an additive to the material of all microscope touchpoints to inhibit the growth of bacteria. This helps prevent the spread of disease via the microscope surfaces and leads to a healthier laboratory environment.



Leica DM500 – Science Teaching Made Easy

The Leica DM500 is ideal for entry level Life Science courses. The microscope's stand provides "plug and play" capability. All students need to do is turn the power on, place the specimen slide on the stage, focus, and enjoy the view!



READY TO WORK

- › Pre-centered, pre-focused Abbe condenser eliminates the need for adjustments



EZTUBE™

- › Eyepieces integrated with the eyetubes prevents loss
- › Preset diopter adjustments eliminates the risk of incorrectly setting the diopters
- › Other viewing tubes are also available



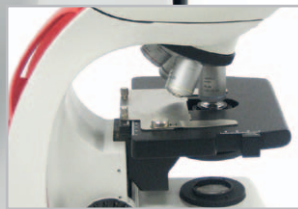
SAFER ROTATION

- › Patented captive thumbscrew for safer rotation of the EZTube™



ALL IN ONE

- › Abbe Condenser with slot for phase contrast and darkfield sliders, including patented 4 position phase slider, which offers brightfield and phase capabilities all in one slider



PERFECT LIGHT

- › LED illumination designed to provide even lighting across the full field of view without adjustments
- › Also available with a rechargeable battery powered stand for field use

Leica DM750 – Science Teaching for a New Generation

The Leica DM750 is designed specifically for the versatile needs of advanced Life Science courses and for professional training such as medical, veterinary, and dental schools.

VERSATILE

- › Standard condenser for magnifications 4× – 100×
- › Phase turret condenser for brightfield and phase contrast
- › Flip top condenser for low magnifications
- › The Leica DM750 is available with a 4 position or 5 position nosepiece



WEAR RESISTANT

- › Special stage finish offers additional protection from friction damage

ENERGY SAVING

- › Patented time delay shutoff saves energy by automatically turning off the illumination after 2 hours of no use



A+ FOCUS, CONTRAST & ILLUMINATION

- › Weighted focus knobs provide inertia and extremely accurate focus capability
- › Koehler field diaphragm available as an option for optimum illumination and contrast



SHARED VIEWING MADE EASY

- › Variety of viewing tubes provides free rotation while securely fixed to the stand
- › Standard viewing tubes with eyepiece locking screws prevent loss of eyepieces



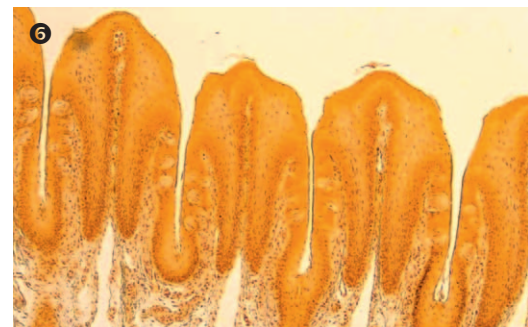
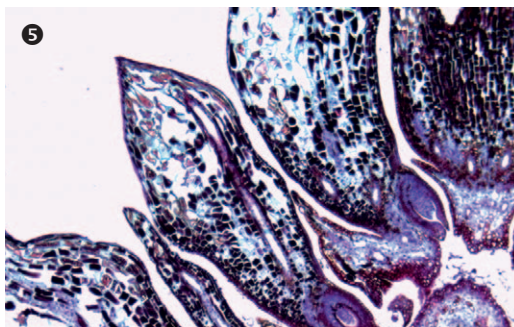
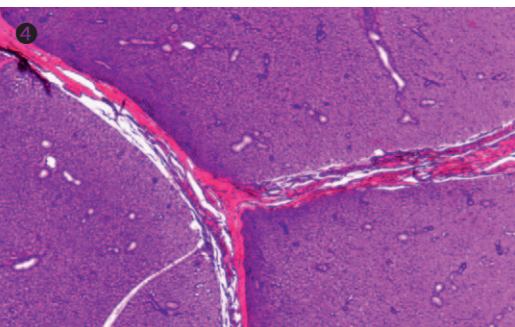
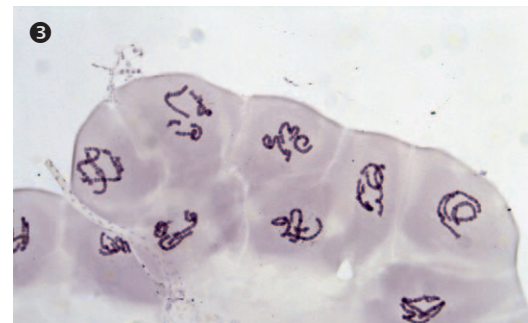
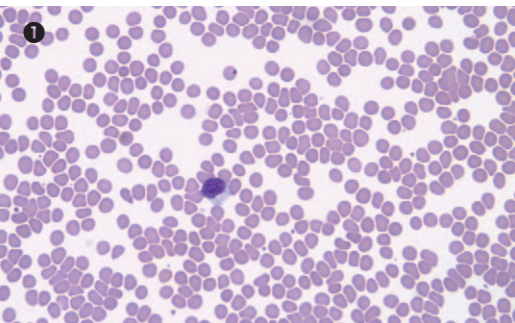
Go High Definition!

The ability to share, capture, and archive images is an important part of the microscopy laboratory. Now available: the full range of Leica Microsystems imaging solutions, including the one-of-a-kind Leica ICC50 HD digital camera module.

LEICA ICC50 HD CAMERA MODULE INTEGRATED AND MODULAR

- › Fast, high-resolution (up to 1920 × 1080) live image on an HD display for scanning slides, observing moving specimens, and viewing the finest details on large screens.
- › Direct connection to a HD display.
- › Capture images and movie clips on an SD card for easy system portability.
- › Control the camera functions via two onboard buttons for easy access.
- › Optional handheld remote for fine tuning the image, customizing camera settings, and viewing a gallery of images and movie clips from the SD Card for easy playback.
- › Includes Leica Application Suite (LAS) EZ software for easy camera control, image capture, annotation, measurement, and documentation.
- › **NEW:** Free hand annotation is now available on the live and saved image!
- › Compatible with a wide selection of optional Leica Microsystems software modules.
- › The modular design of the system allows easy upgrades and service.

A variety of trinocular viewing tubes and C-mount adapters provide the versatility to use stand-alone cameras; including the economical Leica EC3 digital camera, which opens the door to unlimited imaging possibilities.

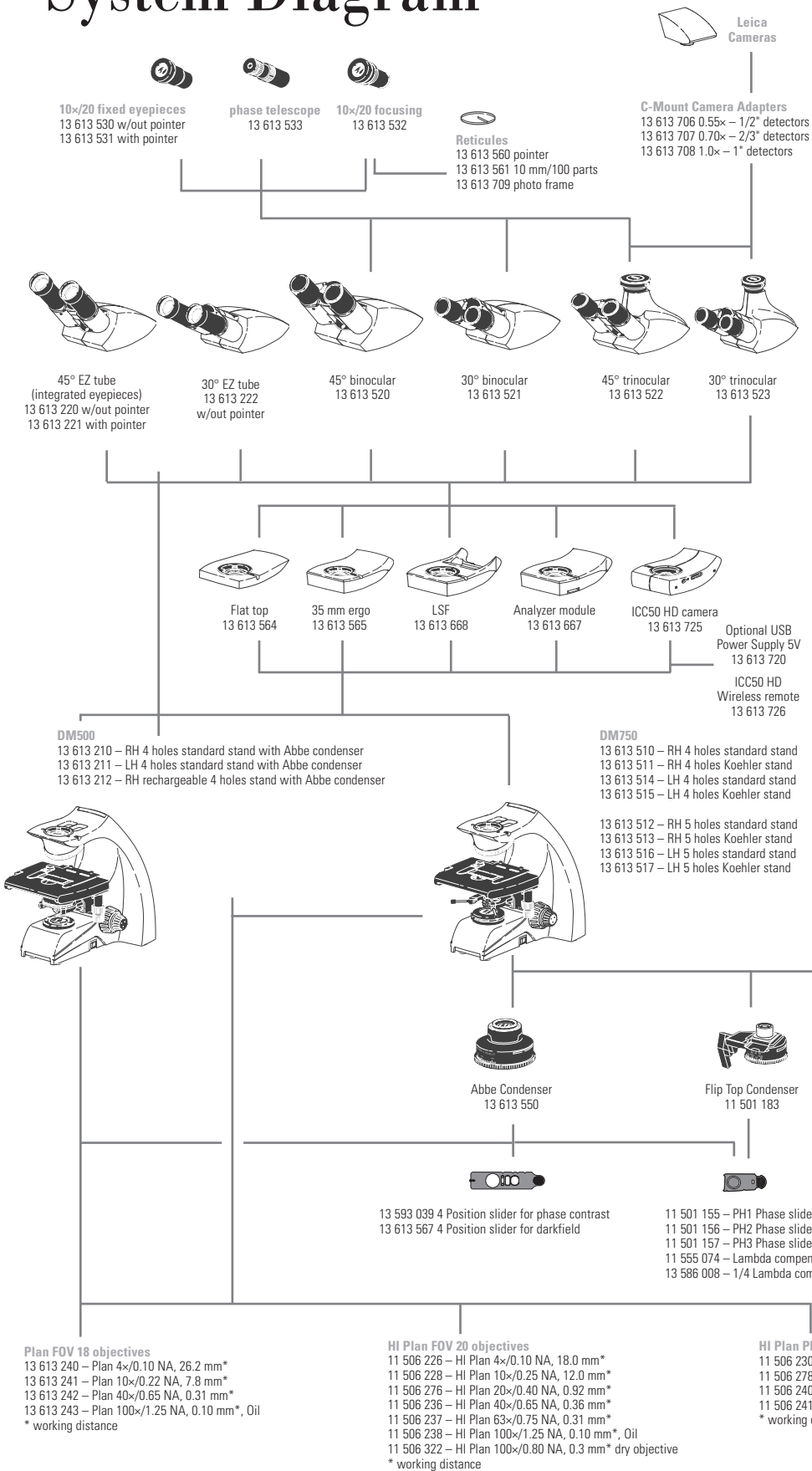




- ❶ Human Blood
- ❷ Covallaris – Lily of the Valley
- ❸ Giant Chromosomes
- ❹ Parotid Gland
- ❺ Pine
- ❻ Taste Buds

Leica DM750 with Leica ICC50 HD digital microscope camera

System Diagram



Replacements

- 13 613 563 Eyeguard pair
- 13 RFAG30003 Fuses for DM500, DM750
- 13 613 571 Thumbscrew pair for DM750 condenser mount
- 13 613 572 Set screw pair for DM750 condenser mount
- 13 613 584 Dust cover DM500, DM750
- 13 613 210-100 DM500 User documents
- 13 613 510-100 DM750 User documents
- 13 613 725-100 ICC50 HD User documents
- 13 613 573 Add-on lens for condensers for DM750 (included with stand)
- 11 505 249 Rechargeable battery set

Analyzer Module Sliders

- 11 555 045 Fixed analyzer slider
- 11 555 079 180° Rotatable analyzer slider
- 11 555 080 360° Rotatable analyzer slider

Others

- 13 613 262 Captive thumbscrew for EZ tube
- 13 613 261 Rubber grips for X/Y controls
- 13 614 800 Immersion oil
- 11 513 106 Stage micrometer
- 11 505 091 Diffuser slider for using 2.5x objective with Abbe condenser
- 11 505 507 Auxilliary lens for using 2.5x objective with 11 501 183 flip top condenser
- 13 613 566 32 mm Filter holder
- 13 613 263 Hard carrying case
- 10 450 245 Soft carrying case
- 13 613 562 Simple pol kit
- 11 505 250 Solar panel

International Power Cords

- 13 613 900 U.S.
- 13 613 901 Europe Continental
- 13 613 902 U.K.
- 13 613 903 Switzerland
- 13 613 904 Denmark
- 13 613 905 Italy
- 13 613 906 Australia
- 13 613 907 China
- 13 613 908 Japan
- 13 613 909 Israel
- 13 613 910 South Africa
- 13 613 911 India
- 13 613 912 Argentina

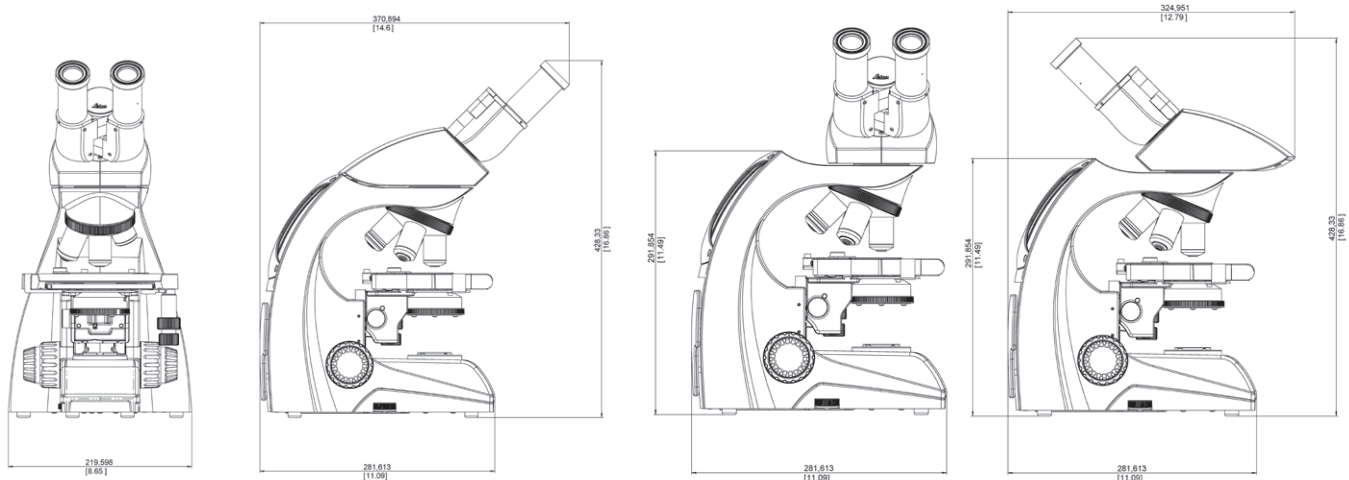


Preconfigured Outfits

OUTFIT ORDERING NUMBER		13613200	13613201	13613500	13613503	13613501	13613504	13613502	13613505
		DM500	DM500	DM750	DM750	DM750	DM750	DM750	DM750
STANDS									
13613210	DM500 RH Stand with Abbe Condenser	X	X						
13613510	DM750 RH Stand			X	X	X	X		
13613511	DM750 RH Stand Koehler							X	X
TUBES									
13613220	45° EZ Tube	X		X					
13613221	45° EZ Tube with pointer		X		X				
13613520	45° Binocular Tube					X	X	X	X
EYEPIECES									
13613530	10x/20 Eyepiece w/eyeguard					X		X	
13613531	10x/20 Pointer eyepiece w/eyeguard						X		X
13613532	10x/20 Focusing eyepiece w/eyeguard					X	X	X	X
CONDENSERS									
13613550	Abbe Condenser 0.9 Dry/1.25 Oil			X	X	X	X	X	X
OBJECTIVES									
13613240	Plan 4x/0.10 NA, 26.2 mm W.D.	X	X	X	X				
13613241	Plan 10x/0.22 NA, 7.8 mm W.D.	X	X	X	X				
13613242	Plan 40x/0.65 NA, 0.31 mm W.D.	X	X	X	X				
13613243	Plan 100x/1.25 NA, 0.10 mm W.D., Oil	X	X	X	X				
11506226	HI Plan 4x/0.10 NA, 18.0 mm W.D.					X	X	X	X
11506228	HI Plan 10x/0.25 NA, 12.0 mm W.D.					X	X	X	X
11506236	HI Plan 40x/0.65 NA, 0.36 mm W.D.					X	X	X	X
11506238	HI Plan 100x/1.25 NA, 0.10 mm W.D., Oil					X	X	X	X
13614800	Immersion Oil	X	X	X	X	X	X	X	X

POWER CORD NOT INCLUDED: Must be ordered separately

Dimensions Leica DM500 / DM750



Specifications Leica DM500 / DM750

	DM500	DM750		DM500	DM750
SEPARATE EYEPIECES			SAFETSTAGE™		
High eyepoint	X	X	Stage surface 185 mm (150 mm front) wide × 140 mm deep	X	X
10×/20 (20 mm field of view)	X	X	Rounded stage edges	X	X
Available with or without pointer	X	X	Non extending rack	X	X
Available fixed or focusing	X	X	Verniers for X/Y coordinates	X	X
Focusing eyepieces with reticule holder for 24.5 mm reticle	X	X	Wear resistant stage surface	X	X
Foldable eyeguards	X	X			
30 mm mounting diameter	X	X			
EZTUBE™			CONDENSER		
Preset diopters for corrected vision	X	X	Prefocused and precentered Abbe condenser	X	
45 degree viewing angle	X	X	Centerable and focusable condenser mount		X
10×/18 (18 mm field of view)	X	X	Slot in Abbe condenser for contrast sliders (phase, darkfield, compensator)	X	X
Attaches to stand with set screw	X	X	Magnification labels on condenser	X	X
Captive thumbscrew available for safer rotation	X	X	Standard Leica condenser mount for condensers (Abbe, turret, flip top, etc.)		X
Eyepieces are integrated with tube	X	X			
Available with pointer and without pointer	X	X			
Interpupillary distance range 52 mm - 75 mm	X	X			
OTHER VIEWING TUBES FOR SEPARATE EYEPIECES			FOCUS		
45 degree, 30 degree, trinocular	X	X	Low position focus controls	X	X
Maximum field of view 20 mm	X	X	Self adjusting focus mechanism	X	X
Rotatable dovetail	X	X	300 microns per fine focus rotation	X	X
Leica tube dovetail standard	X	X	Calibrated in 3 micron increments	X	X
Eyepiece locking screw	X	X	Weighted focus knobs		X
Interpupillary distance range 52 mm - 75 mm	X	X			
STAND			EZLITE™		
Stand shape protects controls	X	X	Preset field aperture only	X	
Stand construction – die-cast aluminium	X	X	Available with or without adjustable Koehler field diaphragm		X
External fuses	X	X	LED Illumination - 6000 K temp, 25000 h life at full intensity	X	X
Knurled nosepiece	X	X	Continuous intensity adjustment	X	X
4 position nosepiece only	X		Illumination sufficient for viewing at lowest intensity	X	X
4 or 5 position nosepiece available		X	Simple polarizing kit available	X	X
Drop in holder for 32 mm mounted or unmounted filters	X	X	2 hour Auto Off (can be disabled or enabled)		X
			Auto Off default: 4 hole stands enabled, 5 hole stands disabled		X
EZSTORE™			IMAGING		
Vertical handle	X	X	Trinocular tubes available (50%/50% light split)	X	X
Undercut in front of stand	X	X	C-mount adapters with standard Leica mount	X	X
Cord wrap	X	X	Leica ICC50 HD intermediate camera module (50%/50% light split)	X	X
Vertical cord attachment to stand	X	X			
OBJECTIVES			INTERMEDIATE MODULES		
Infinity optics platform	X	X	35 mm intermediate ergo module available	X	X
Plan optics for FOV 18	X	X	15 mm flat top module	X	X
HI Plan for FOV 20	X	X	Module for LSF reflected light illuminator	X	X
100× dry objective with N.A. 0.8 (no correction collar)	X	X	Analyzer module	X	X
Objective labeling laser engraved (HI Plans)	X	X			
M25 nosepiece thread	X	X			
EZGUIDE™			AGTREAT™		
One-handed slide loading	X	X	Anti microbial treatment	X	X
26 mm × 76 mm stage travel	X	X			
			CERTIFICATIONS		
			cULus, CE, RoHS	X	X
			SHIPPING		
			Dimensions: 40 cm × 37 cm × 39 cm (H×D×W)	X	X
			Weight: 9 kg	X	X

Clean and Green

WE ACTIVELY IMPLEMENT WAYS TO MAKE OUR ENVIRONMENT CLEANER AND SAFER FOR THIS GENERATION AND THE NEXT

- › All packaging is completely recyclable.
- › No lead content in any of the glass components.
- › LED illumination consumes approximately 80% less energy than standard halogen illumination.
- › The time delay shut-off feature found on the Leica DM750 ensures no energy is wasted.
- › Constantly optimizing our logistics chain keeps the CO² footprint as low as possible.
- › AgTreat™ helps prevent the spread of disease via microscope surfaces and leads to a healthier laboratory environment.
- › All products have been tested by independent safety laboratories and carry the cULus and CE mark to indicate their design for safety.
- › All products are RoHS compliant, which means all electrical components meet restrictions on the use of hazardous substances.

SEE MORE AT

WWW.LEICA-MICROSYSTEMS.COM/EDUCATION

- › Interactive tour of the Leica DM500 and DM750.
- › Leica E-Series stereomicroscopes for low magnification inspection, dissecting, and image capture.
- › Leica DM750 P Polarizing Microscope for Earth and Materials Science education.
- › Leica DM750 M Microscope for Metallography.
- › Selection of higher level microscopes for research.
- › A selection of instructional booklets, which are free of charge.



The statement by Ernst Leitz in 1907, “*With the User, For the User,*” describes the fruitful collaboration with end users and driving force of innovation at Leica Microsystems. We have developed five brand values to live up to this tradition: Pioneering, High-end Quality, Team Spirit, Dedication to Science, and Continuous Improvement. For us, living up to these values means: **Living up to Life.**

Leica Microsystems operates globally in four divisions, where we rank with the market leaders.

LIFE SCIENCE DIVISION

The Leica Microsystems Life Science Division supports the imaging needs of the scientific community with advanced innovation and technical expertise for the visualization, measurement, and analysis of microstructures. Our strong focus on understanding scientific applications puts Leica Microsystems’ customers at the leading edge of science.

INDUSTRY DIVISION

The Leica Microsystems Industry Division’s focus is to support customers’ pursuit of the highest quality end result. Leica Microsystems provide the best and most innovative imaging systems to see, measure, and analyze the microstructures in routine and research industrial applications, materials science, quality control, forensic science investigation, and educational applications.

BIOSYSTEMS DIVISION

The Leica Microsystems Biosystems Division brings histopathology labs and researchers the highest-quality, most comprehensive product range. From patient to pathologist, the range includes the ideal product for each histology step and high-productivity workflow solutions for the entire lab. With complete histology systems featuring innovative automation and Novocastra™ reagents, Leica Microsystems creates better patient care through rapid turnaround, diagnostic confidence, and close customer collaboration.

MEDICAL DIVISION

The Leica Microsystems Medical Division’s focus is to partner with and support surgeons and their care of patients with the highest-quality, most innovative surgical microscope technology today and into the future.

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

Active worldwide		Tel.	Fax
Australia · North Ryde	+61	2 8870 3500	2 9878 1055
Austria · Vienna	+43	1 486 80 50 0	1 486 80 50 30
Belgium · Diegem	+32	2 790 98 50	2 790 98 68
Canada · Concord/Ontario	+1	800 248 0123	847 405 0164
Denmark · Ballerup	+45	4454 0101	4454 0111
France · Nanterre Cedex	+33	811 000 664	1 56 05 23 23
Germany · Wetzlar	+49	64 41 29 40 00	64 41 29 41 55
Italy · Milan	+39	02 574 861	02 574 03392
Japan · Tokyo	+81	3 5421 2800	3 5421 2896
Korea · Seoul	+82	2 514 65 43	2 514 65 48
Netherlands · Rijswijk	+31	70 4132 100	70 4132 109
People’s Rep. of China · Hong Kong	+852	2564 6699	2564 4163
· Shanghai	+86	21 6387 6606	21 6387 6698
Portugal · Lisbon	+351	21 388 9112	21 385 4668
Singapore	+65	6779 7823	6773 0628
Spain · Barcelona	+34	93 494 95 30	93 494 95 32
Sweden · Kista	+46	8 625 45 45	8 625 45 10
Switzerland · Heerbrugg	+41	71 726 34 34	71 726 34 44
United Kingdom · Milton Keynes	+44	800 298 2344	1908 246312
USA · Buffalo Grove/Illinois	+1	800 248 0123	847 405 0164