

A Service Offensive

Carl Zeiss Industrielle Messtechnik GmbH has acquired a 55 % share in the metrology service provider 3D-Quality Systems GmbH Aalen. The new company Carl Zeiss 3D Metrology Services GmbH, Aalen has set its sights on acting as an international complete service provider in the field

includes training and seminars on length measuring technology and start-up support in new production lines in industry. Artifact calibration, contract measurement and programming, fixtures, development and construction of clamping and loading systems are other features. The

Carl Zeiss **3D** Metrology Services

of measuring technology. After focusing the competences and combining the metrology services of the two companies, the newly founded company will be the world's biggest service company in industrial measuring technology. The product portfolio in-

cludes training and seminars on length measuring technology and start-up support in new production lines in industry. Artifact calibration, contract measurement and programming, fixtures, development and construction of clamping and loading systems are other features. The

program of providing clients with complete turn-key systems also includes the integration of the

software for quality management systems in corporate networks and the creation of special, customized software.

Partnership in the PC



Fig. 1: Even unusual lens shapes can be produced without risk and with excellent quality via the remote edging service.

With the Zeiss Partner Network, an online information, communication and order forum for ophthalmic products, Carl Zeiss has taken a totally new, innovative approach to the way it communicates with some of its most important customers: eyecare professionals. The dramatic increase in the number of participants testifies to the high level of interest in information and marketing support. The Partner Network offers many different possibilities: lens ordering online, product information, a Newsletter service, photographic material, and a lot more besides.

The ZOO® Zeiss Online Order System provides eyecare professionals with a simple means of placing standard lens orders and ordering edged lenses. Transmission takes only

Well Worth Looking Through: Compendium Online

Since the introduction of the Lens Compendium Online on the Carl Zeiss website, this "virtual handbook for eyecare professionals" has continued to grow.

A Newsletter, which can be easily ordered via the Internet, keeps anyone interested up to date by e-mail. All updates are also listed in chronological order on the Update page.

How do contrast-enhancing sun-glass lenses work? How do you work out the Abbe number? These and many other questions are answered clearly and succinctly by the Compendium Online, also using easy-to-understand illustrations.

Under the headings "All About Spectacle Lenses" and "The All-round Supplier", eyecare professionals and interested consumers can find a large amount of detailed information far exceeding the Carl Zeiss product line.

The Compendium Online can be found at www.zeiss.de/kompendium.

a few seconds, and its receipt is immediately acknowledged. A special display provides information on the status of ordered lenses. The current version of the software can be downloaded directly from the Zeiss Partner Network.

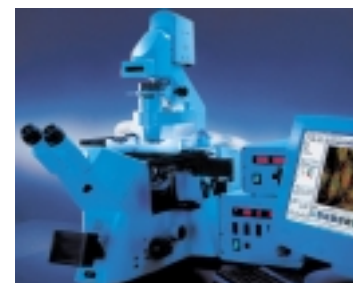
Need an ad for a club newsletter? Or posters for a window display? Or maybe brochures for a mailing campaign? No problem with the Zeiss Partner Network. This and other marketing material are available – needless to say, with an appropriate preview capability – in the Marketing/Service area of the network right around the clock. The Partner Network also provides a description of the seminars offered by the Carl Zeiss Academy, along with important details required for enrolment.

Light Microscopy

Its excellent optics and the wide spectrum of ICS objectives, its innovative condensers and optimized fluorescence, its unusual diversity of documentation and attachment possibilities, as well as its exceptional stability and unique ergonomic design make the Axiovert® 200 microscope ideal to meet the increased demands now being made on microscopy workstations. The new LD condensers for DIC, phase and Varel contrast cover all applications. For fluorescence applications, the Axiovert® 200 offers currently the best signal-to-noise ratio thanks to the patented Light Trap®. The Aqua Stop feature uses silicon rings to protect the objectives and the nosepieces from contact with liquids.



Axiovert® 200 and Axiovert® 200 M Inverted Microscopes.

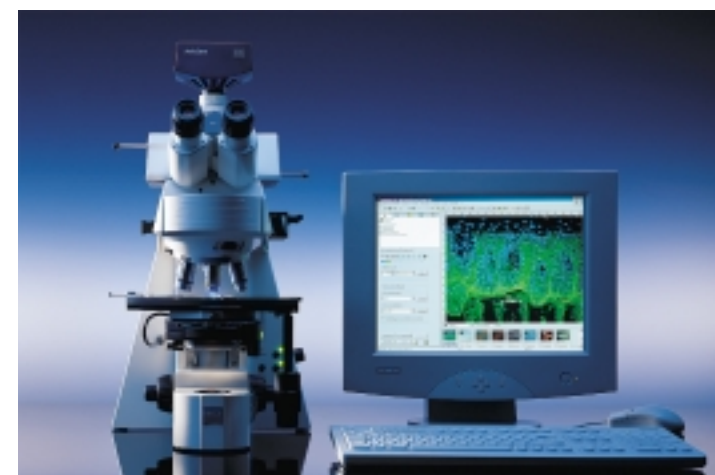


Cell Observer complete system.

The Cell Observer is a complete system specially designed for Live Cell Imaging. The system, consisting of high-end microscopes, components for cell cultivation, the AxioCam® digital camera and the AxioVision® software, permits all functions required today: Time lapse, Multichannel, Z-Stack and Mark&Find. Distance measurements, angle calculations, statistics, and many more are additionally possible. The Cell Observer

truly provides new dimensions beyond 2D and 3D, with image handling/processing at different wavelengths, over time, at specific locations in the Petri dish.

mens, the reproducibility of measurements and the optimum utilization of the automated microscope. The software module can be used to mark positions on microscope slides and to reposition marked objects for further processing. A database is available for case-related management of the data



Digital microscope workstation with Axioplan® 2 imaging.

The second generation of the Axioplan® 2 imaging MOT microscope offers reproducible results more quickly and conveniently. This specifically applies to fluorescence examinations. With an optimized light path, the integrated high-speed shutter permits exposure times of down to 20 ms in fluorescence. This protects the specimens against bleaching. The new motor control enables the fast, vibration-free positioning (SoftStop) of objectives, reflector modules and filter wheels to prevent pixel shift in multi-channel fluorescence, for example. Further benefits include better acceleration, higher resolution and the improved reproducibility of the Z-drive. Furthermore, the motor control permits optimized automated processes.

The Axioplan® 2 imaging can be fitted with the ELISPOT image analysis system for the automatic evaluation of Elispot assays, and integrated into the AxioPath telemicroscopy system. For multidimensional image recording, it is available with the Cell Observer. In the LSM PASCAL® or LSM 510 systems, it is also available for confocal microscopy. The many benefits which the new AxioVision® "Mark&Find" software module offers not only to microscopists in the life sciences, but also to users in the fields of materials analysis and quality control, include the ergonomic evaluation of speci-

of several specimens and position lists. The AxioVision® software offers a particularly high level of convenience when used in conjunction with the AxioCam® digital camera and an automated microscope, such as Axioplan® 2 imaging, Axiovert® 200 M, Axioskop® 2 MOT with a motorized or encoded stage.



"Mark&Find" AxioVision® software module.

The AxioVision® "Autofocus" software module, with which the system is automatically focused on a microscope specimen, is a useful aid for the safe and reliable documentation of microscopic examinations both in the life sciences and in materials analysis and quality inspection using a digital camera. This benefit is especially useful for fluorescence photography. The software can be used in reflected and transmitted light, and in brightfield

and darkfield, without any need for special hardware. It offers the user all the outstanding benefits of automated and reproducible imaging. Optimum results are obtained when the AxioVision® "Autofocus" software is used with the AxioCam® digital camera and an automated microscope from Carl Zeiss, such as Axioplan® 2 imaging, Axiovert® 200 M or Axioskop® 2 MOT.

The new software release 4.3 for the KS ELISPOT complete systems for the microscopic examination and measurement of a wide variety of Elispot protocols meets all requirements, from high sample throughput to optimum measuring accuracy. The possibility of using various evaluation patterns for each microtiter plate is a special benefit. Since identical software is used for all system configurations, both fast routine evaluations and highly precise measurements for research can be performed at one and the same workstation. The new result report with overview images permits the correctness of the measuring results to be checked at all times.

Surgical Products

The OPMI® pico diagnostic microscope heralds the dawn of a new generation of microscopes in ENT. This microscope provides the maximum mobility required for examinations in ENT. OPMI® pico can be reliably positioned and exactly focused. The examining physician enjoys razor-sharp images with high contrast and a visual comfort otherwise only provided by surgical microscopes. The high-intensity fiber optic illumination provides a totally homogeneous illuminated field currently unparalleled in this price category. The mobility and the tube of OPMI® pico allow convenient, ergonomic examination, and the extremely compact design ensures excellent contact between doctor and patient. The design of the microscope has been precisely tailored to meet the current requirements of innovative, patient-oriented ENT offices. A video camera can be integrated as an option to allow doctors to explain the possibilities of therapy to informed patients on a monitor and to document findings. Needless to say, powerful, state-of-the-art video technolo-