

***Zeiss IOLMaster* - with new features and modern computer hardware**



The new IOLMaster contains modern computer hardware and an up-to-date operating system with all required ports and additional software functionality which, among other, extends the system's fields of application to include refractive surgery with phakic intraocular lenses.

Post-Lasik IOL calculation as well as the option for simple data transfer to a PC running the Holladay IOL Consultant (HIC) software are also integrated.

In addition, the 4th software generation features a large number of improvements to small points of detail which have been requested by customers in the past few years.

New functions and features

- **Fast computer, new operating system**

The computer was equipped with a fast, modern board and a CD-RW drive, operating under Windows XP Professional. The following ports are available: USB (2x), PS2 (2x), serial, parallel, VGA, Ethernet. The faster computer leads to significant time savings in keratometry and anterior chamber depth measurements.

- **New biometry formula: Haigis-L formula for post myopic Lasik/Lasek/PRK eyes**

For Lasik/PRK/Lasek patients who are to undergo cataract surgery, IOL calculation is difficult, as the corneal refractive power entered into the calculation cannot be directly measured. With the Haigis-L formula, an algorithm for myopic PRK/Lasik/Lasek eyes is now available which solves this problem, since the calculation is performed with currently measured values.

- **New biometry formula: Power calculation for phakic implants**

The software can be used to calculate the lens powers of selected phakic

IOLs. The lens constants (manufacturer constants) are contained in the software and cannot be changed.

- **Improved connection to HIC (Holladay IOL Consultant) with Holladay 2 formula via Ethernet**
- **4 in 1 (Multiformula) (Option A plus)**
It is now possible to make a comparison (view and printout) of the computation results for the IOL power with 4 different formulas. This increases reliability in the selection of a lens power, particularly for short and long eyes.
- **Additional AL measuring modes**
Additional axial length measuring modes for eyes with refractive intraocular lenses, piggy back lenses and pseudophakic silicone oil-filled eyes expand the system's field of application and facilitate IOL computation in special cases.
- **Extended data storage for measurement data up to 365 days**
- **Storage of every specified target refraction**
- **DVD drive installable for reading and saving data**
- **Export of patient data to CD-RW or USB Flash Drive**
- **Printout possible via network printer and pdf-writer**
- **Speed of data transmission via serial port adjustable on IOLMaster**
- **Possibility of attaching the IOLMaster to instrument table IT 3L with or without keyboard support (accessory)**
- **No data loss any longer in cases of improper system shutdown**
- **Saving the test eye measurements forever (not deleteable)**
(The values are available for customers and service purposes (patient's name: Check, Device!))
- **For the printout, the name of the facility can be entered**
- **Compliance with HIPAA regulations (USA) concerning user authorization and user identification**
- **Screen and printout also available in Japanese (Kanji)**