Cataract •
Glaucoma •
Retina •
Refractive •

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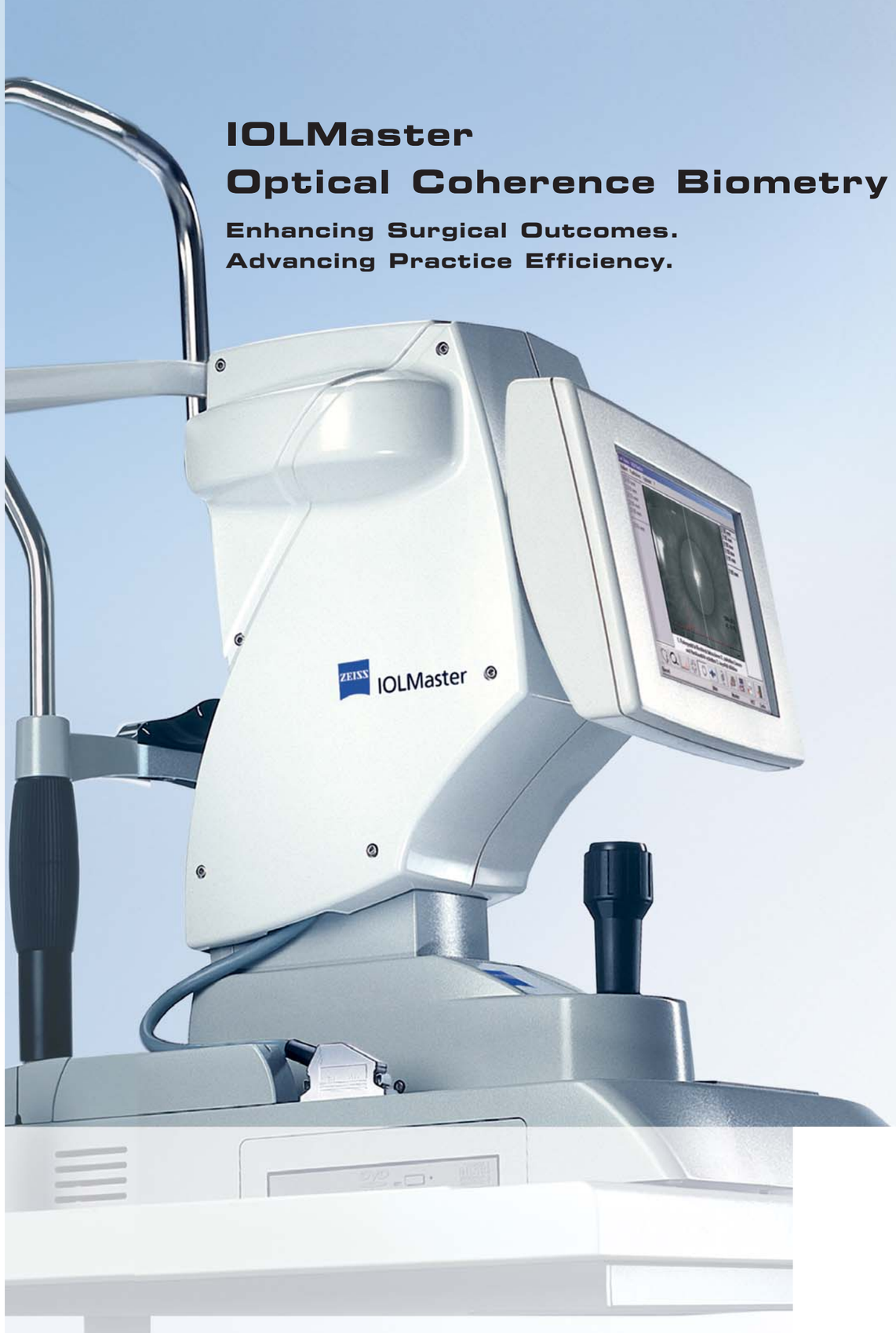
IOLMaster
Optical Coherence Biometry

Enhancing Surgical Outcomes.
Advancing Practice Efficiency.



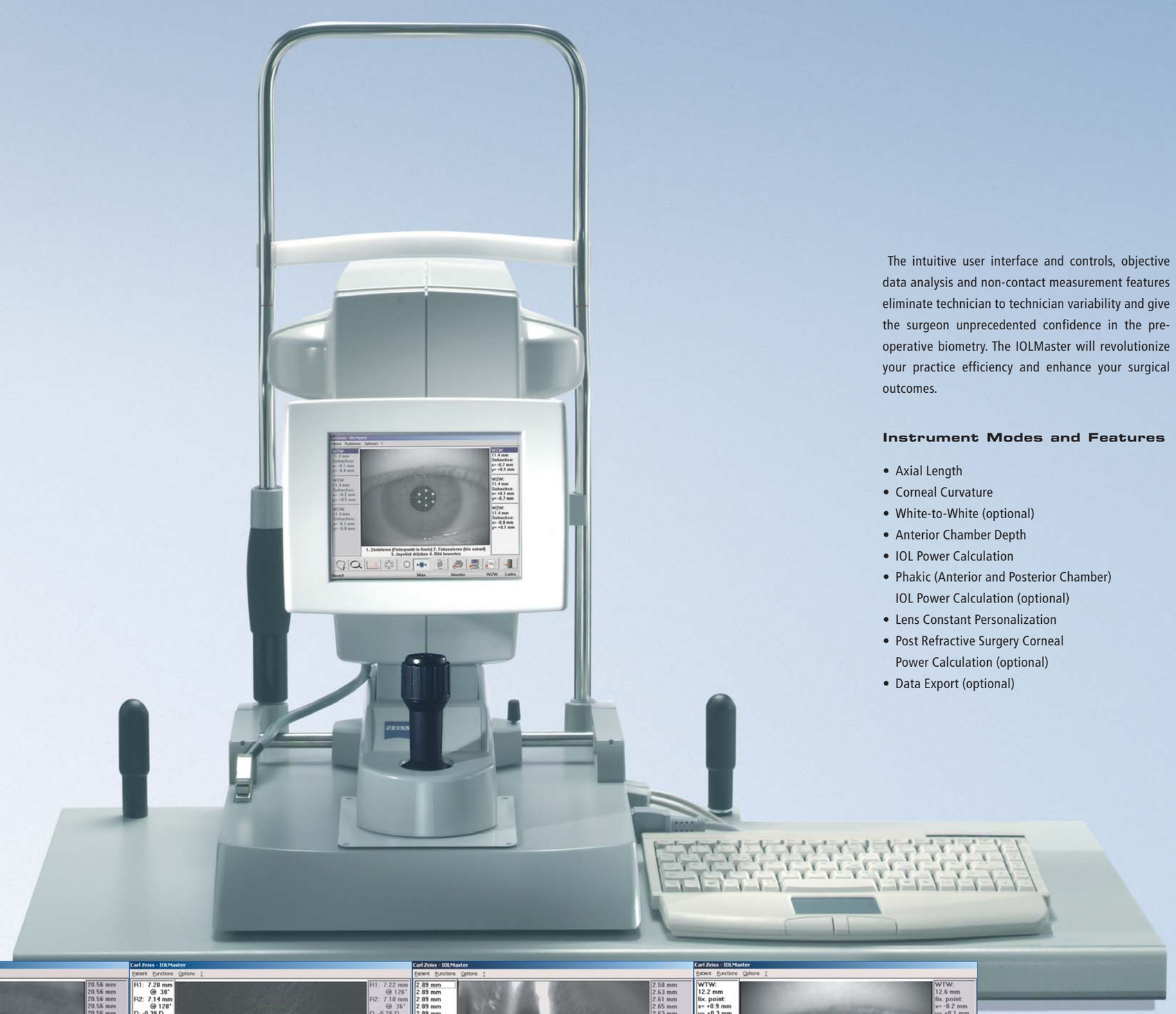
ZEISS

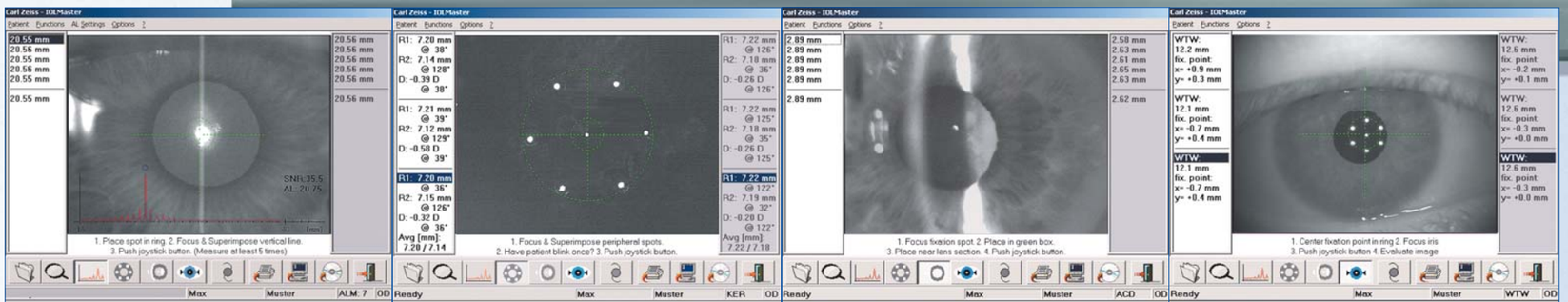
Unparalleled Confidence

The newest, most innovative IOLs raise patient and surgeon expectations, and require a higher standard for pre-operative biometry and practice efficiency. The IOLMaster has emerged as the new standard for meeting these expectations. With multiple measurement modes, highly accurate non-contact Optical Coherence Biometry technology and unparalleled connectivity, the IOLMaster provides faster, more accurate measurements while enhancing practice efficiency and resource utilization.

Combining performance with simplicity, the IOLMaster quickly and accurately measures biometric parameters required for tOL implantation in a single location without ever touching the cornea. At the push of a button, axial length, corneal curvature, White-to-White and anterior chamber depth are quickly and precisely measured.

tOL power calculation options are instantly available from the surgeon's personalized lens database. IOL lens constants are easily personalized for optimum outcomes.





The intuitive user interface and controls, objective data analysis and non-contact measurement features eliminate technician to technician variability and give the surgeon unprecedented confidence in the pre-operative biometry. The IOLMaster will revolutionize your practice efficiency and enhance your surgical outcomes.

Instrument Modes and Features

- Axial Length
- Corneal Curvature
- White-to-White (optional)
- Anterior Chamber Depth
- IOL Power Calculation
- Phakic (Anterior and Posterior Chamber) IOL Power Calculation (optional)
- Lens Constant Personalization
- Post Refractive Surgery Corneal Power Calculation (optional)
- Data Export (optional)

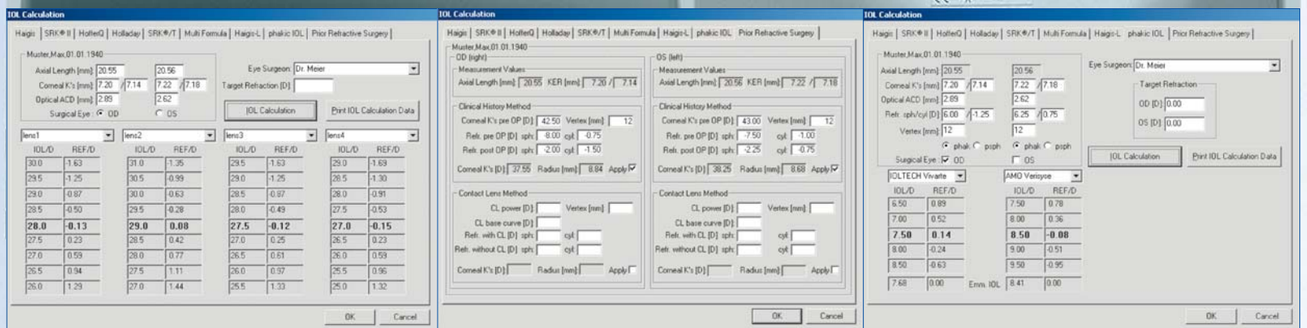
Advanced Precision and Efficiency

Accuracy and precision

- Precise axial length values along the visual axis, independent of accommodation or pupil size
- Measures a range of eyes including high myopes, aphakes, pseudophakes, staphylomas and silicone-filled eyes
- Integrated lens constant personalization feature provides true surgeon-specific customization of lens constants to further enhance outcomes

Superior ease of use

- Easy to learn- with proper training, users can immediately produce highly accurate and confident results
- Easy to delegate to multiple staff members with no user-dependency
- Intuitive user interface for smooth and rapid measurements and IOL power calculation
- Easy system setup
- Automatic measurement with the push of a button
- Automatic right/left eye recognition for added safety
- Simple printing and data transfer functions



Increased patient workflow and practice efficiency

- Easy to delegate to multiple staff members with no user-dependency
- Multiple measurement modes on one instrument- no need to move patients from instrument to instrument
- Rapid IOL power calculation can be performed immediately after the measurements or at a later time. The on-board patient measurement database maintains patient records for a user-defined period of time for subsequent recalculations
- Lens constants available from the internet can easily be downloaded into the system
- Data transfer option for EMR integration
- Data export option to CD-RW or USB Flash Drive
- Network printing capability

Enhanced Cataract and Phakic I Refractive IOL capability

- 3rd and 4th generation IOL power formulas
- Direct data export option to Holladay IOL Consultant
- Power calculation for angle-supported, iris-fixated and posterior chamber IOLs
- Post-refractive surgery IOL power calculation options

Technical data

IOLMaster

Measurement range	
Axial length	14 – 40 mm
Corneal radii	5 – 10 mm
Anterior chamber depth	1,5 – 6,5 mm
White-to-white (optional)	8 – 16 mm
Measurement resolution (as displayed)	
Axial length	0.01 mm
Corneal radii	0.01 mm
Anterior chamber depth	0.01 mm
White-to-white	0.1 mm
Formulas for IOL calculation	
SRK® II, SRK®/T, Holladay, Hoffer Q, Haigis	
Formulas for calculating the corenal power after refractive corneal surgery (clinical history method and contact lens method)	
Haigis-L (for myopic Lasik/PRK) calculation of iris, chamber angle or posterior angle supported phakic implants	
Optimization of IOL constants	
Data transfer to office management systems or PC	
Data export to CD-RW or USB Flash Drive	
Data export provision to Holladay IOL Consultant (not included)	
Compliance with USA HIPAA directive governing user authentication and identification	
Line voltage	100 - 240 V +/- 10% (self-adjusting)
Line frequency	50 – 60 Hz
Power consumption	max. 90 VA
Laser class	1

Optional accessories:

Asymmetrical instrument
Table Keyboard support
Printer
Isolation transformer
Network isolator
Paper for chinrest
Software Option A plus
Software Option B