Proven Placido Disk Technology
- Patented Cone-of-Focus™ Alignment System and Arc-Step Algorithm deliver sub-micron elevation accuracy
- 22-ring Placido disk optimized to avoid ring crossover, which means reliable results for a wide range of patients
- Long, comfortable 70 mm working distance minimizes focusing error found in “small cone” systems

SmartCapture™ Image Analysis Helps Your Staff Get it Right the First Time
- SmartCapture analyzes 15 digital images per second during alignment and automatically selects the highest quality image
- Next-generation image processing provides more repeatable, reliable results, even in difficult cases
- Less dependence on operator technique means greater efficiency and fewer repeat exams

Workflow Flexibility with Review Software
- Dynamic remote access to all your corneal topography exam data and patient education tools, such as corneal wavefront simulation
- Equivalent analysis functionality as the ATLAS Model 9000
- Compatible with ATLAS Models 993 and 995

Technical Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Distance</td>
<td>70 mm (2.76 in)</td>
</tr>
<tr>
<td>Field of View</td>
<td>17 mm x 14.5 mm (0.67 x 0.57 in)</td>
</tr>
<tr>
<td>Placido Rings</td>
<td>22 (18 superiorly, 22 inferiorly)</td>
</tr>
<tr>
<td>Emissivity Source</td>
<td>Non-visible infrared light (LED)</td>
</tr>
<tr>
<td>Optics</td>
<td>Digital CMOS camera with 1280x1024 pixel resolution</td>
</tr>
<tr>
<td>Corneal Curvature Measurement Range</td>
<td>15 to 95 D (3.5 to 22.5 mm)</td>
</tr>
<tr>
<td>Reproducibility</td>
<td>± 0.05 D (± 0.01 mm)</td>
</tr>
<tr>
<td>RMS (before-to-after)</td>
<td>± 0.10 D (± 0.02 mm)</td>
</tr>
<tr>
<td>Positional Accuracy</td>
<td>SmartCapture selects the highest quality image</td>
</tr>
<tr>
<td>Resolution</td>
<td>10.0 to 14.0 mm (0.39 x 0.55 in)</td>
</tr>
<tr>
<td>Visual Distortion</td>
<td>Single View, Overview</td>
</tr>
<tr>
<td>Optional Software/Third Party Software</td>
<td>PathFinder™ II Corneal Analysis Software</td>
</tr>
<tr>
<td>Computer</td>
<td>Windows® XP Professional, Pentium® M Processor</td>
</tr>
<tr>
<td>Internal storage</td>
<td>up to 35,000 exams</td>
</tr>
<tr>
<td>Dimensions/Weight (Instrument only)</td>
<td>52 L x 37 W x 50 H (cm) (20.74 x 14.57 x 19.69 in)</td>
</tr>
<tr>
<td>Electrical</td>
<td>100-240V~ 50/60Hz, 2-1A</td>
</tr>
</tbody>
</table>

Superior Topography Performance and Efficiency
The ATLAS System has been proven to deliver the clinical accuracy and workflow efficiency that your practice requires. The all-in-one system combines a suite of unique technologies that is simple for virtually any operator to use. The result is a new level of confidence in every exam for every patient.

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How You Practice
Superior Performance Designed for the ATLAS® Model 9000. The ATLAS System delivers the clinical accuracy essential to today’s eye care practice, and helps you set your practice apart. From increasing patient satisfaction, to improving overall workflow, the ATLAS System can take your practice to new heights.

Take your practice to the next level
• Compatible with Visante®
• Compatible with your existing ATLAS data
• Improved repeatability and reliability
• Compact, all-in-one system, now easier to use and more efficient

Intuitive Analysis and Reporting
Elevate Your Practice with ATLAS
The next-generation ATLAS System provides new tools and superior data acquisition and analysis to set your practice apart. From increasing patient satisfaction, to gaining greater clinical insight, to improving overall workflow, the ATLAS System can help expand and improve your current practice.

Novel Applications for Cataract Care
Corneal Wavefront Analysis is a valuable tool guiding you to the suitable technologies which will correct visual distortion. The ATLAS provides all the key topographical information needed to enhance IOL power calculation and IOL selection as well as set appropriate patient expectations.

PathFinder II Corneal Analysis Software
Advancing traditional topography. PathFinder™ II Corneal Analysis Software is a comprehensive, easy-to-understand, and reliable anterior topographic screening module to assist with refractive surgery screening and to help identify abnormal corneal conditions.

•  Evaluate corneal astigmatism and simulate visual acuity with various pupil sizes
•  Assess corneal refraction with image simulation and point spread function
•  Optimize aspheric IOL selection with corneal spherical aberrations, Z(4,0), based on Placido disk technology
•  Established IOL power formulas for myopic and hyperopic LASIK/PRK and RK
•  Perioperative astigmatism management

PathFinder II provides valuable, first-order corneal curvature by comparing topography maps to an extensive clinical database. Validation of PathFinder truth as independent data on corneal topography, higher with smaller pupil size, and accuracy in detecting real and pseudo astigmatism.

•  Optimize aspheric IOL selection with corneal spherical aberrations, Z(4,0), based on Placido disk technology

1. In the example, traditional axial curvature does not highlight the nature of the cornea as compared to mean curvature.

PathFinder II provides valuable, first-order corneal curvature by comparing topography maps to an extensive clinical database. Validation of PathFinder truth as independent data on corneal topography, higher with smaller pupil size, and accuracy in detecting real and pseudo astigmatism.

•  Optimize aspheric IOL selection with corneal spherical aberrations, Z(4,0), based on Placido disk technology

2. Axial curvature is defined as the curvature of the cornea as compared to mean curvature. In this example, traditional axial curvature does not highlight the nature of the cornea as compared to mean curvature.

•  Email lens design and topography exam to your lab for efficient ordering and fulfillment

•  Improve trial lens fitting efficiency by adjusting lens parameters, such as peripheral curves, and simulating lens movement to compensate for lens-to-cornea relationship

•  Simulate fluorescein patterns for custom and stock lenses, including spherical, toric, and aspheric designs

•  Automatically design lenses to your preferences by customizing fitting options such as desired tear film clearance

MasterFit II Contact Lens Software
Direct your fitting success. MasterFit™ II Contact Lens Software helps streamline fitting gas permeable (GP) lenses and guides you through challenging-to-fit patients. Simulated fluorescein patterns and tear film thickness profiles promote effective lens design to minimize chair-time and improve patient satisfaction.

•  Automatically design lenses to your preferences by customizing fitting options such as desired tear film clearance

•  Simulate fluorescein patterns for custom and stock lenses, including spherical, toric, and aspheric designs

•  Automatically design lenses to your preferences by customizing fitting options such as desired tear film clearance

With more than 15 years experience in corneal topography, Carl Zeiss Meditec now offers the next generation of the ATLAS® Model 9000. The ATLAS System delivers the clinical accuracy essential to today’s eye care practice, in a powerful and easy to use platform. With applications including contact lens fitting, pathology detection and management, and selection of aspheric IOLs, the ATLAS System is the right choice for reliable real-world results, every time, from virtually any operator.

Superior Performance Designed for How You Practice
•  Compact, all-in-one system, now easier to use and more efficient
•  Improved repeatability and reliability
•  Compatible with your existing ATLAS data
•  Compatible with Visante® to generate posterior topography

Elevate Your Practice with ATLAS
The next-generation ATLAS System provides new tools and superior data acquisition and analysis to set your practice apart. From increasing patient satisfaction, to gaining greater clinical insight, to improving overall workflow, the ATLAS System can help expand and improve your current practice.