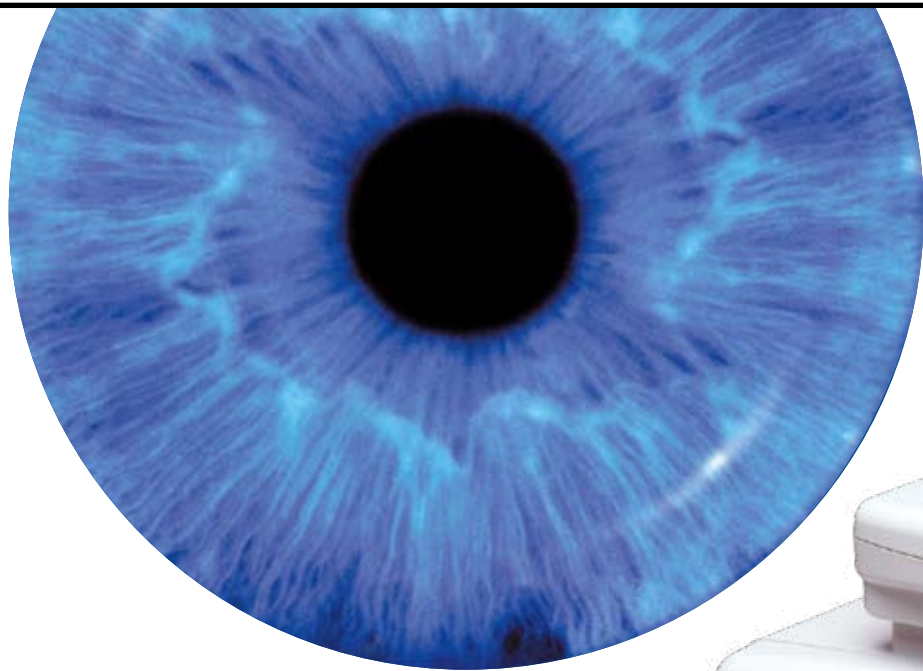


INNOVATIVE TOPOGRAPHIC SYSTEM

▶ *AUTOMATED CORNEAL TOPOGRAPHER TMS-4*



- *Over 60,000 Data Points*
- *Low Light Level Cones*
- *Auto Shot & Auto Select*
- *Compatible Software*
- *Multi-Language Operation*
- *Plug and Play*
- *Huge Patient Database*



USE A PROFESSIONAL SOLUTION

INNOVATIVE TOPOGRAPHIC SYSTEM: TMS-4

Tomey pioneered corneal topography and continues to set the standard.

The TMS-4 guarantees high resolution with more than 60,000 data points. In addition the very short acquisition time (0.033 sec) assures you to get sharpest images for highest accuracy. All your existing TMS (TMS-1, TMS-2, TMS-3) exams can be transferred to the TMS-4.



Auto Shot & Select

The handling of the TMS-4 is very easy. You just have to align the target on your patient's eye and the measurement will be done automatically. The system takes four pictures of each eye and pre-selects the best one. You also have the possibility to select one of the four images for analysis.



Auto Shot & Auto Select

Easy-to-use Software

The TMS-4 software provides space for a **huge patient database** and gives fast access to the related patient record card - just by a single click.

Design your **individual map** and choose scale or map type for your own needs.

Multi User Manager: In case of more than one operator you have the possibility to select an operator related database. Very helpful is the new **diagnostic search** function.

The **Drag and Drop** user interface is easy to learn and the memorizing software setting saves your valuable time. The TMS-4 is **multilingual** (8 languages) and one customized language can be integrated. You will find the **user definable contact lens software** very helpful: Including standard lens designs with links to specialized external CL-fitting software.

Of course the well-known software applications like Klyce statistics, keratoconus screening, enhanced height and height change maps are integrated.

The light cone – perfect results thanks to eliminated nose and brow shadows.



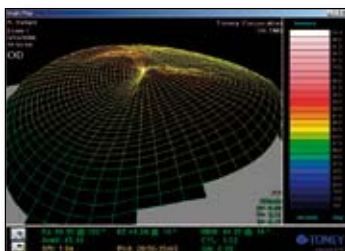
Reliable Light Cone

The TMS-4 comes with two light cones: 25 rings for deep set eyes and 31 rings for normal eyes. Other light sources can not interfere because the TMS-4 has its own measurement environment. Even light sensitive patients feel comfortable during the examination due to the low light level of the rings. The small cone design eliminates nose and brow shadows and assures wide corneal coverage.

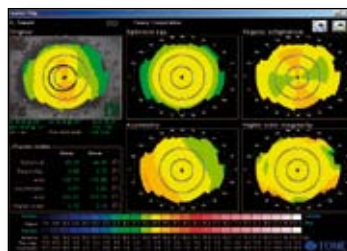
Thanks to the durable LED illumination source the TMS-4 is absolutely maintenance free.

Make Your Choice

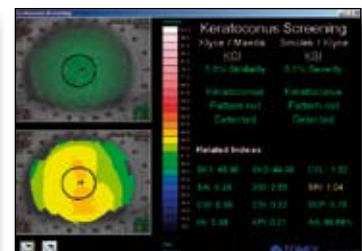
The Corneal Topographer has an integrated framegrabber. So it can be connected to almost every PC* or notebook* by simple "Plug and Play" method. If you do not have a computer - the TMS-4 can be delivered together with a modern PC.



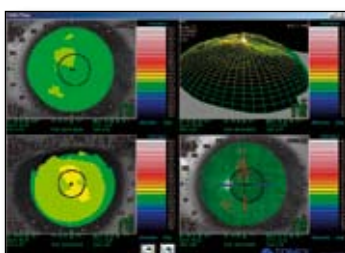
3D Corneal Map



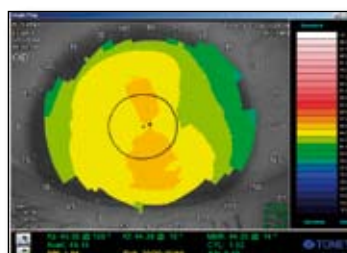
Fourier Analysis



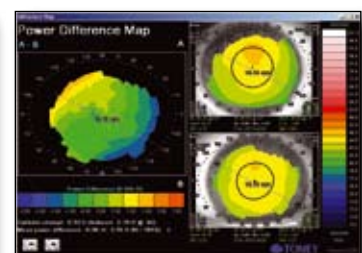
Keratoconus Screening



Multiple Map



Single Analysis



Power Difference

* Minimum requirements:
Pentium Processor III, 1 GHz, Windows XP, 512 MB RAM or more, USB 2.0



The TMS-4 speaks nine languages:



English



Deutsch



Español



Français



Italiano



Português



Chinese



Japanese



Custom language

The system can be easily integrated in every refraction unit - chin rest is removable.

SPECIFICATIONS

<i>Data Collection Method</i>	Placido Cone System	<i>Slide-Making Capability</i>	Bitmap Image Format
<i>Illumination</i>	Low Light Level System	<i>TFT Monitor</i>	5.5 inch
<i>Number of Rings</i>	25, 31	Hardware Requirements	External PC with USB 2.0, Monitor
<i>Data Points (DP)</i>	Over 60,000	System Requirements	
<i>Measured Points (MP)</i>	6,400 (25-ring) 7,936 (31-ring)	<i>Operating System</i>	Windows XP
<i>MP per Ring</i>	256	<i>CPU</i>	Pentium Processor III 1 GHz or higher
<i>Corneal Coverage</i>	9 mm Diameter (25-ring) 12 mm Diameter (31-ring)	<i>Memory (RAM)</i>	512 MB or more
<i>Alignment / Focus</i>	Joystick Controlled, Software Correction	Dimensions & Electric Requirements	
<i>Acquisition Time</i>	0.033 sec	<i>Dimensions WDH</i>	308 x 472.5 x 471 mm
<i>Single Exam File Size</i>	407 KB	<i>Weight</i>	Approx. 15.0 kg
<i>Measurement Range</i>	9 D to 101.5 D 3 mm to 38 mm	<i>Power Supply</i>	AC 100 V to 240 V
<i>Accuracy</i>	± 0.02 mm	<i>Frequency</i>	50/60 Hz
<i>Map Type Options</i>	Standard (Axial), Instantaneous Radius of Curvature (Tangential), Refractive, Height (Enhanced and Differential), Customized Map	<i>Power Consumption</i>	50 VA to 65 VA
<i>Map Display Options</i>	Single, Dual, Multiple, Differential, Meridional, 3D, Numeric, Fourier Analysis		
<i>Astigmatism Display Options</i>	Orthogonal Axes, Instantaneous Axes, 3.5 and 7 mm Zone		
<i>Statistical Package</i>	Klyce Corneal Statistics		
<i>Keratoconus Detection</i>	Klyce-Maeda Multiple Regression Analysis, Smolek-Klyce Classification Neural Network		



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