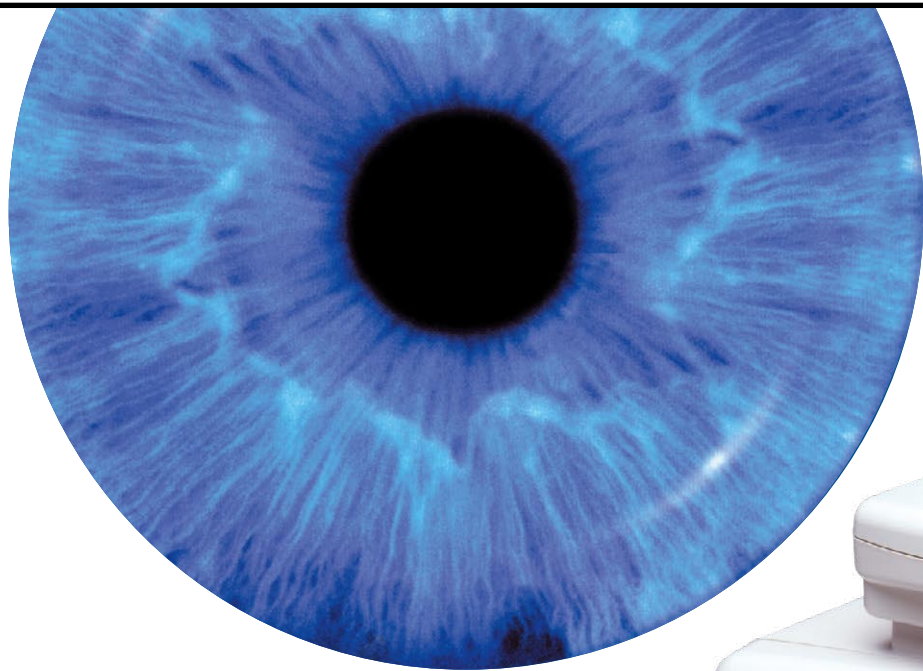# INNOVATIVE TOPOGRAPHIC SYSTEM
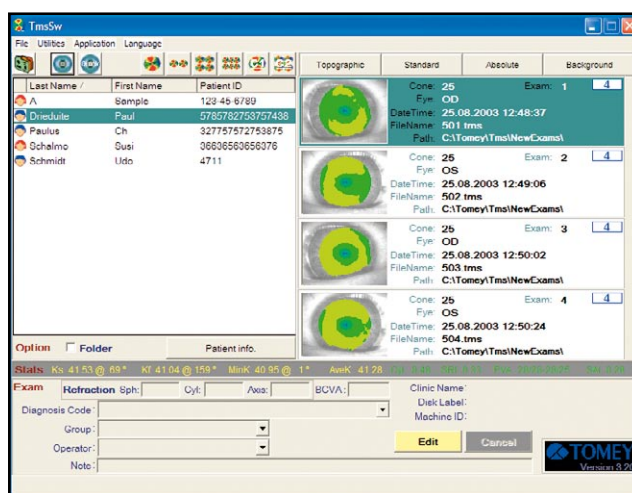
▶ *AUTOMATED CORNEAL TOPOGRAPHER TMS-4*

- *Over 60,000 Data Points*

- *Low Light Level Cones*

- *Auto Shot & Auto Select*

- *Compatible Software*

- *Multi-Language Operation*

- *Plug and Play*

- *Huge Patient Database*

TMS-*4*

TOMEY
TECHNOLOGY AND VISION
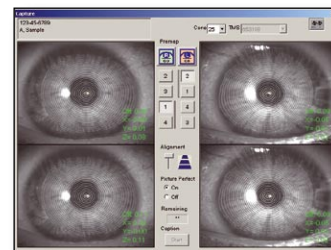
INNOVATIVE TOPOGRAPHIC SYSTEM: TMS-4

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.

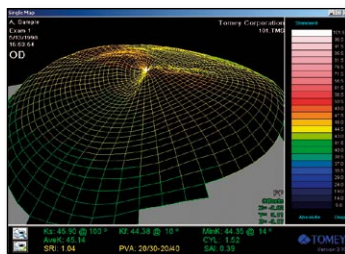The light cone — perfect results thanks to eliminated nose and brow shadows.

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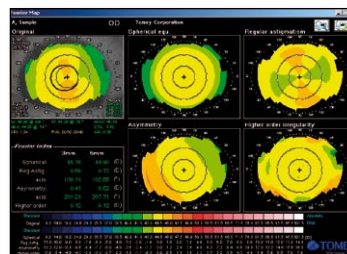
Thanks to the durable LED illumination source the TMS-4 is absolutely maintenance free.
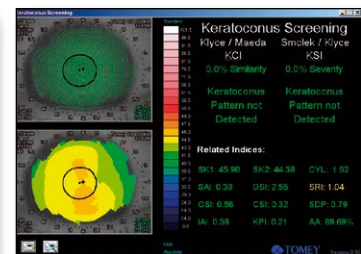
Make Your Choice

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.
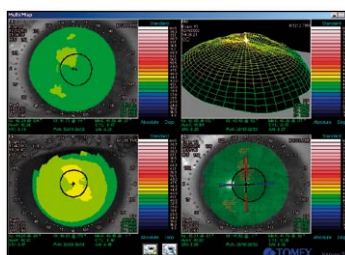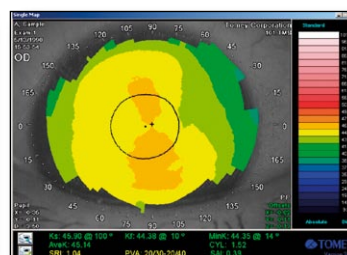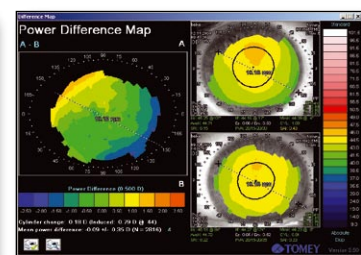
3D Corneal Map

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

TMS-4
AUTOMATED CORNEAL TOPOGRAPHER

TMS-4

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

Data Collection Method	Placido Cone System
Illumination	Low Light Level System
Number of Rings	25, 31
Data Points (DP)	Over 60,000
Measured Points (MP)	6,400 (25-ring)
	7,936 (31-ring)
MP per Ring	256
Corneal Coverage	9 mm Diameter (25-ring)
	12 mm Diameter (31-ring)
Alignment / Focus	Joystick Controlled, Software Correction
Acquisition Time	0.033 sec
Single Exam File Size	407 KB
Measurement Range	9 D to 101.5 D
	3 mm to 38 mm
Accuracy	± 0.02 mm
Map Type Options	Standard (Axial), Instantaneous Radius of Curvature (Tangential), Refractive, Height (Enhanced and Differential), Customized Map
Map Display Options	Single, Dual, Multiple, Differential, Meridional, 3D, Numeric, Fourier Analysis
Astigmatism Display Options	Orthogonal Axes, Instanteneous Axes, 3.5 and 7 mm Zone
Statistical Package	Klyce Corneal Statistics
Keratoconus Detection	Klyce-Maeda Multiple Regression Analysis, Smolek-Klyce Classification Neural Network

Slide-Making Capability	Bitmap Image Format
TFT Monitor	5.5 inch
Hardware Requirements	
	External PC with USB 2.0, Monitor
System Requirements	
Operating System	Windows XP
CPU	Pentium Prozessor III 1 GHz or higher
Memory (RAM)	512 MB or more
Dimensions & Electric Requirements	
Dimensions WDH	308 x 472.5 x 471 mm
Weight	Approx. 15.0 kg
Power Supply	AC 100 V to 240 V
Frequency	50/60 Hz
Power Consumption	50 VA to 65 VA