

One vision, Two sharp eyes with Our Innovation

# TMS-4N

Topographic Modeling System



- USB Connection
- Auto Shot Function
- Large Patient Database
- Easy Database Operation
- Multi-Language Operation
- Fourier Refractive Analysis
- Quick Data Reference
- Built-in LCD Alignment
- Keratoconus Screening & Other Applications

## TMS-4N SPECIFICATIONS

### Measurement

Measurement type	Ring cone
Ring numbers	25
Measurement points	6,400 maximum
Measurement points on a ring	256
Minimum / Maximum ring diameter	Ø 0.46 to 8.8 mm (43D)
Spherical measurement range	5.5 to 10.0 mm (61.36 to 33.75 D)
Spherical measurement accuracy	±0.02 mm (Spherical)
Alignment	Manual with auto-correction

### < CL option only >

Ring numbers	31
Measurement points	7,300 maximum
Measurement points on a ring	256
Minimum / Maximum ring diameter	Ø 0.57 to 10.9 mm (43D)
Spherical measurement range	5.5 to 10.0 mm (61.36 to 33.75 D)
Spherical measurement accuracy	±0.02 mm (Spherical)

### System Requirements

Operating System	Windows® 7, Windows® 8
CPU	Intel® Core™2 Duo processor or higher
Memory	More than 512 MB
Interface	USB 2.0 (Connection with a main unit)
Display (Resolution)	800 x 600 or higher

### Main unit

Display	5.7 inch color LCD
Dimensions	296(W) x 508(L) x 448(H) mm
Weight	14 kg
Power Supply	AC 100 to 240V, 50 / 60 Hz 45 to 55 VA

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A Decade of Achievement

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# TMS-4N

Topographic Modeling System

# Famous, Traditional, Reliable Topographer

**Corneal Topographer Continues to Set the Standard for Resolution, Accuracy & Corneal Coverage.**

TMS-4N has the comprehensive software: Single, Dual, Multiple and you can even customize your own map with favorite scale, map type and so on. Fourier Analysis provides you the refractive information with Spherical Equivalent, Regular Astigmatism, Asymmetry and Higher order irregularity. Fourier Analysis provides the refractive information with 3mm and 6mm diameter range. The software applications, Klyce Statistics, Keratoconus Screening, Enhanced Height and Height Change Maps are also available.



Placido Light Cone

Last Name	First Name	Patient ID
Tomey	Sample	001
Tomey	Sample	002
Tomey	Sample	003
Tomey	Sample	004
Tomey	Sample	006
Tomey	Sample	007
Tomey	Sample	008
Tomey	Sample	009
Tomey	Sample	010
Tomey	Sample	011
Tomey	Sample	012
Tomey	Sample	013
Tomey	Sample	014
Tomey	Sample	016
Tomey	Sample	016

All former TMS data available to import !!  
Even TMS-1 Exams can be imported into new system!!

2Win  
OD

DateTime: 1998/05/13 15:53:54  
Cone: 34  
FileName: 101.TMS  
Path: C:\Tomey\Tms\NewExams\

Data Listing As You Like !!  
Name by Name or Folder by Folder Data Listing!!

English  
Japanese  
Italian  
German  
French  
Spanish Euro  
Spanish L.A.  
Chinese  
Portuguese  
Custom

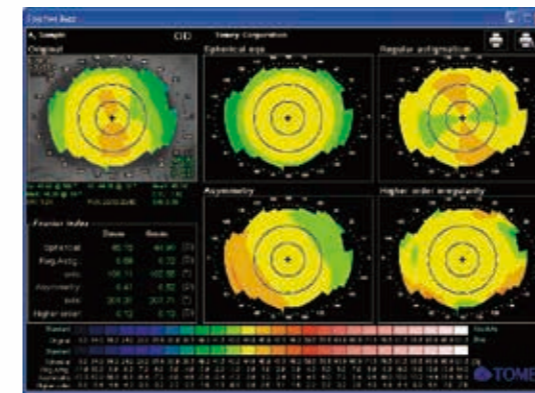
9+1 multi language menu !!  
Popular languages all over the world!

Operated by Icons !!  
Visual Operation by Icons

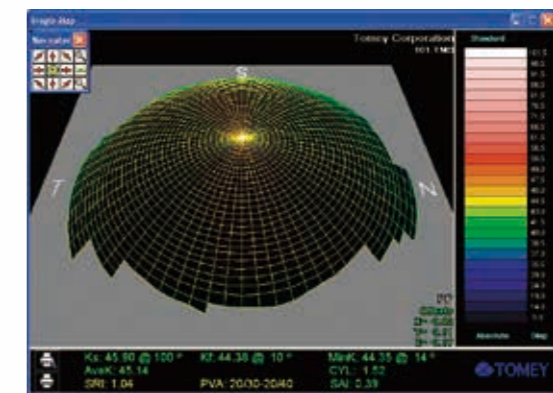
KC X2 X4  
C1 C2

One Click Data Review !!  
To review Stats Data, just click an exam & highlight it!!

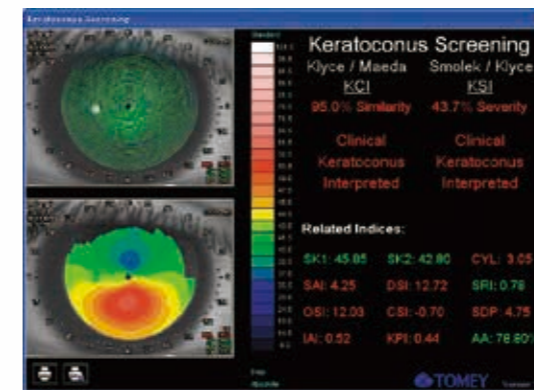
Advanced Database Query !!  
Query data by machines, Stats data, patient data...many options available.



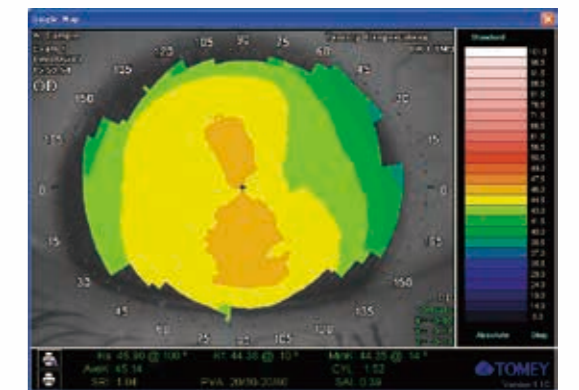
Fourier Analysis



3D Corneal Map



Keratoconus Screening



Single Corneal Map

## Statistical Indices

Simulated K, Minimum K, Average Corneal Power, Potential Visual Acuity, Surface Regularity Index, Surface Asymetry Index, Corneal Eccentricity Index, Irregular Astigmatism Index, Standard Deviation of Corneal Power, Analyzed Area, Elevation/Depression Power, Elevation/Depression Diameter, Simulated Keratometric Cylinder Change.

## Contact Lens Software (Option)

User-defined Fitting Strategies, User-defined Lens Designs, Simulated Fluorescein Patterns, Sagittal Tear Film Plots, Adjustment of Position, Rotation and Tilt, User Modifiable Data Base, Order Form Printout, Automatic Transmission of Data to Optical Lab.

TMS-1 features come back with better resolution, accuracy and easy operation. TOMEY's patented light cones use 25 or 31 rings (same as TMS-1), providing high resolution.

The laser alignment system provides high accuracy and repeatability.

The small cone design eliminates nose & brow shadow and provides extensive corneal coverage.

The low light level of the rings promotes patient comfort.