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
- Other Applications

TMS-4N **SPECIFICATIONS**

Measurement performance

Spherical measurement range	5.5 to 10.0 mm (61.36 to 33.75 D)
Spherical measurement accuracy	±0.02 mm (Spherical)

Auxiliary functions

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)
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)
Alignment	Manual with auto-correction

System Requirements

Operating System	Windows®7 Professional (32bit,64bit) Windows®8.1 Professional (64bit) Windows®10 Professional (64bit)
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
Laser Class	Class 1

TOMEY

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Topographic Modeling System

A Decade of Achievement

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TOMEY

One vision, Two sharp eyes with Our Innovation

TMS-4N

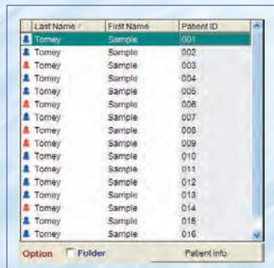
Topographic Modeling System

Famous, Traditional, Reliable Topographer

Placido Light Cone

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

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



Data Listing As You Like !

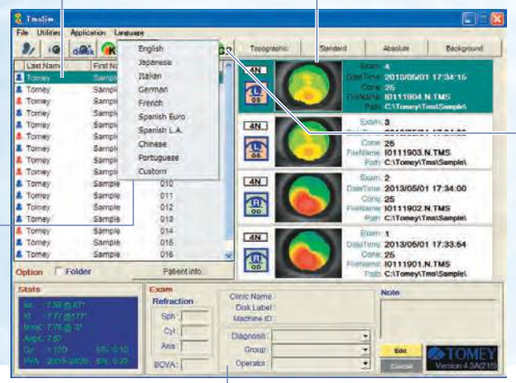
Name by Name or Folder by Folder Data Listing.

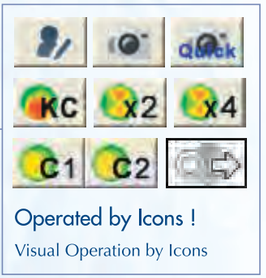
9+1 multi language menu !

Popular languages all over the world.

All former TMS data available to import !

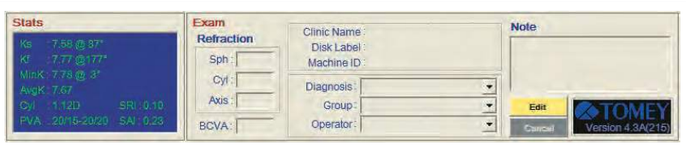
Even TMS-1 Exams can be imported into the new system.





Operated by Icons !

Visual Operation by Icons



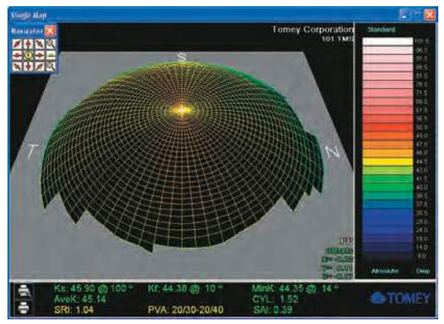
One Click Data Review !

To review Stats Data, just click an exam & highlight it.

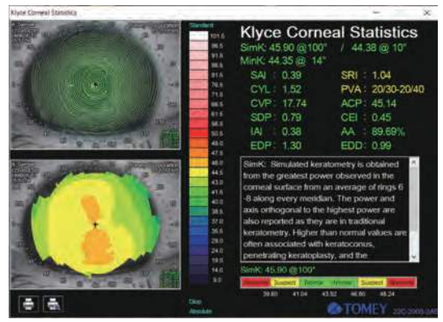
Advanced Database Query !

Query data by machines, Stats data, patient data...many options available.

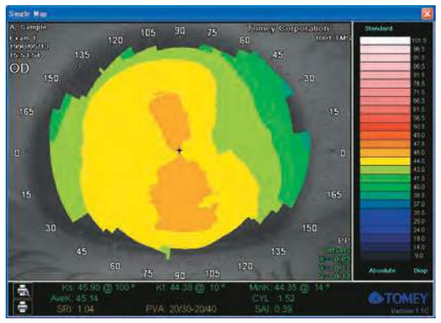
Fourier Analysis



3D Corneal Map



Klyce Corneal Statistics



Single Corneal Map

Statistical Indices

Simulated K, Minimum K, Average Corneal Power, Potential Visual Acuity, Surface Regularity Index, Surface Asymmetry 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 return with better resolution, accuracy and easy operation. TOMEY's light cones use 25 or 31 rings (the 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.