

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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MERCOFrames OPTICAL CORP

5555 Nw 74 Ave. Miami, FL 33166

Tel. 305-882-0120

ale@mercoframes.net



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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 |

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!

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\

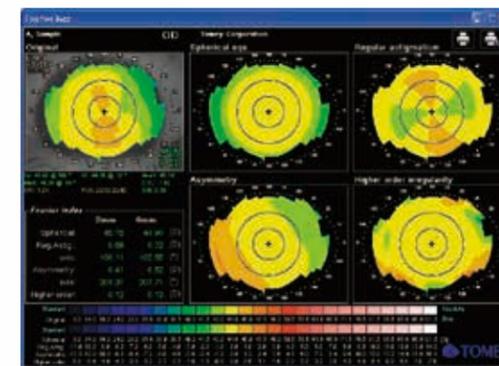
Operated by Icons !!
Visual Operation by Icons

KC X2 X4
C1 C2

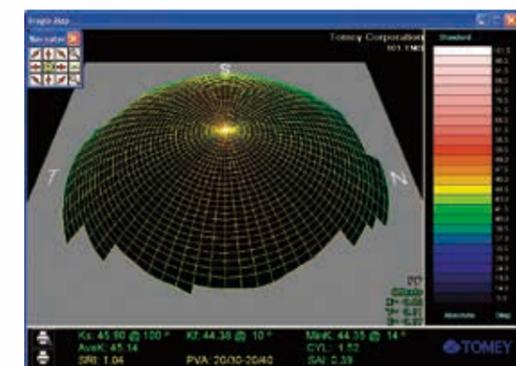
One Click Data Review !!
To review Stats Data, just click an exam & highlight it!!

| Stats | Exam Refraction | Clinic Name | Note |
|---|--------------------------------|---|------------|
| R: 7.58 @ 97° K: 7.77 @ 177° MxK: 7.78 @ 9° AvgK: 7.67 CY: 1.12D S40: 0.10 PVA: 2915-2920 SA: 0.23 | Sph: Cyl: Axis: BCVA: | Clinic Label: Machine ID: Diagnosis: Group: Operator: | Note field |

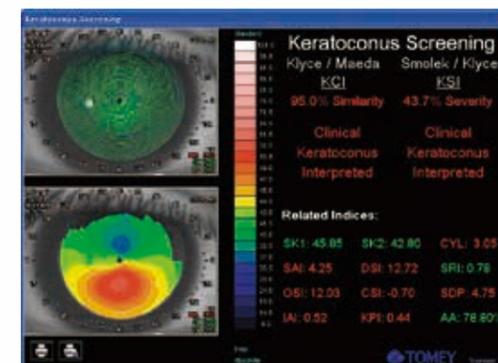
Advanced Database Query !!
Query data by machines, Stats data, patient data...many options available.



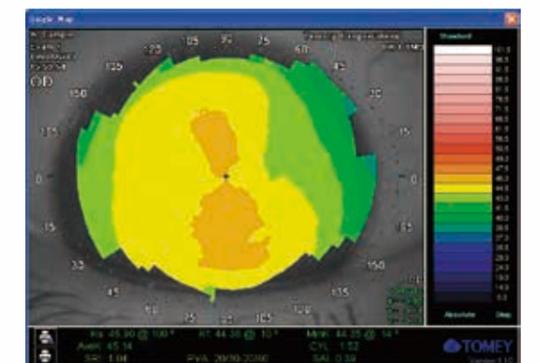
Fourier Analysis



3D Corneal Map



Keratoconus Screening



Single Corneal Map

Statistical Indices

Simulated K, Minimum K, Average Corneal Power, Potential Visual Acuity, Surface Regularity Index, Surface 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 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.