One vision, Two sharp eyes with Our Innovation

TMS-4 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-4 **SPECIFICATIONS**

Data Collection Method	Placido Cone
Illumination	Low Light Level
Number of Rings	25, 31
Data Points	6,400 (25-ring) 7,936 (31-ring)
Data Points on the Rings	256
Max. Corneal Coverage	8.8mm Diameter (25-ring) 10.9mm Diameter (31-ring)
Min. Corneal Coverage	0.46mm Diameter (25-ring) 0.57mm Diameter (31-ring)
Operator Configuration	Operator Opposite Patient
Alignment/Focus	Joystick Alignment, Software Correction
Acquisition Time	Every 33msec
Average Image Process Time	<3 seconds
Single Exam File Size	407 Kb
Dioptric Range	33.75D - 61.36D
Minimum Scale Interval	0.1D
Map Type Options	Standard (Axial), Instanteneous Radius of Curvature (Tangential), Refractive, Height (Enhanced and Differential)
Map Display Options	Single, Dual, Multiple, Differential, Meridional, 3D, Numeric, Fourier Analysis
Astigmatism Display Options	Orthogonal Axes, Instanteneous Axes, 3, 5 & 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
Computer	External PC
System Requirements	
Operating System	Windows 2000, XP
CPU	Pentium Processor 600MHz or higher
Memory (RAM)	256MB or more
Dimensions	308 (W) x 472.5 (D) x 471 (H) mm
Weight	Approx.15Kg
Power Supply	AC 100V to 240V 50/60 Hz 50-60VA

TOMEY®

Tomey Corporation [Asia-Pacific]

2-11-33 Noritakeshinmachi
Nishi-Ku, Nagoya, 451-0051, Japan
Tel: ++81-52-581-5327
Fax: ++81-52-561-4735
E-Mail: intl@tomey.co.jp

Tomey GmbH [Europe]

Am Weichselgarten 19a
D-91058 Erlangen, Germany
Tel: ++49-9131-77710
Fax: ++49-9131-777120
E-Mail: info@tomey.de

For more information, visit our web site **http://www.tomey.com**

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A Decade of Achievement.

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TOMEY®

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TMS-4

Topographic
Modeling System

Famous, Traditional, Reliable Topographer

Placido Light Cone

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

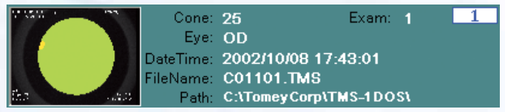
TMS-4 has the comprehensive software: Single, Dual, Multiple & you can even customise your own map with favorite scale, map type & so on. Fourier Analysis provides you the refractive information with Spherical Equivalent, Regular Astigmatism, Asymmetry & Higher order irregularity. Fourier Analysis provides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

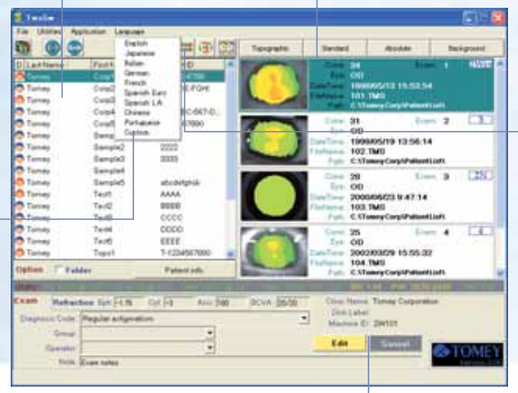
Data Listing As You Like !!

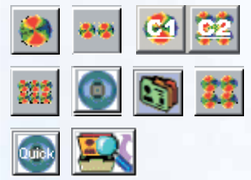
Name by Name or Folder by Folder Data Listing!!

All former TMS data available to import !!

Even TMS-1 Exams can be imported into new system!!

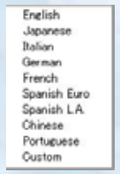






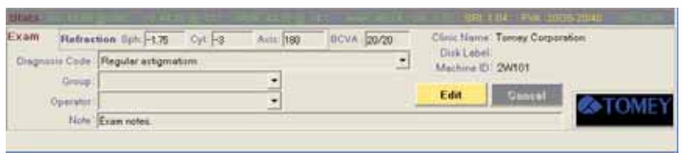
Operated by Icons !!

Visual Operation by Icons



9+1 multi language menu !!

Popular languages all over the world!



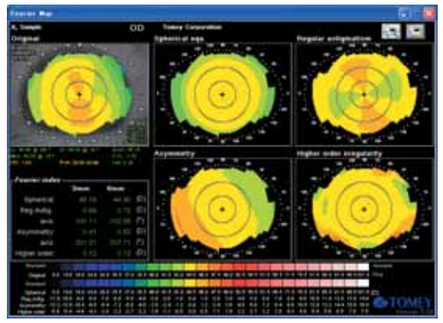
One Click Data Review !!

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

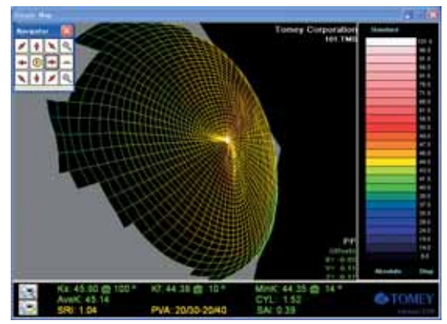
Advanced Database Query !!

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

TMS-1 features come back with better resolution, accuracy & 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 & repeatability.
The small cone design eliminates nose & brow shadow & provides extensive corneal coverage.
The low light level of the rings promotes patient comfort.

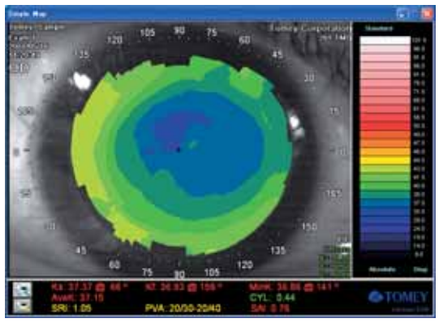


Fourier Analysis



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

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