

INNOVATIVE

TOPOGRAPHIC SYSTEM

▶ CORNEAL TOPOGRAPHY FOR PROFESSIONALS - TMS-4



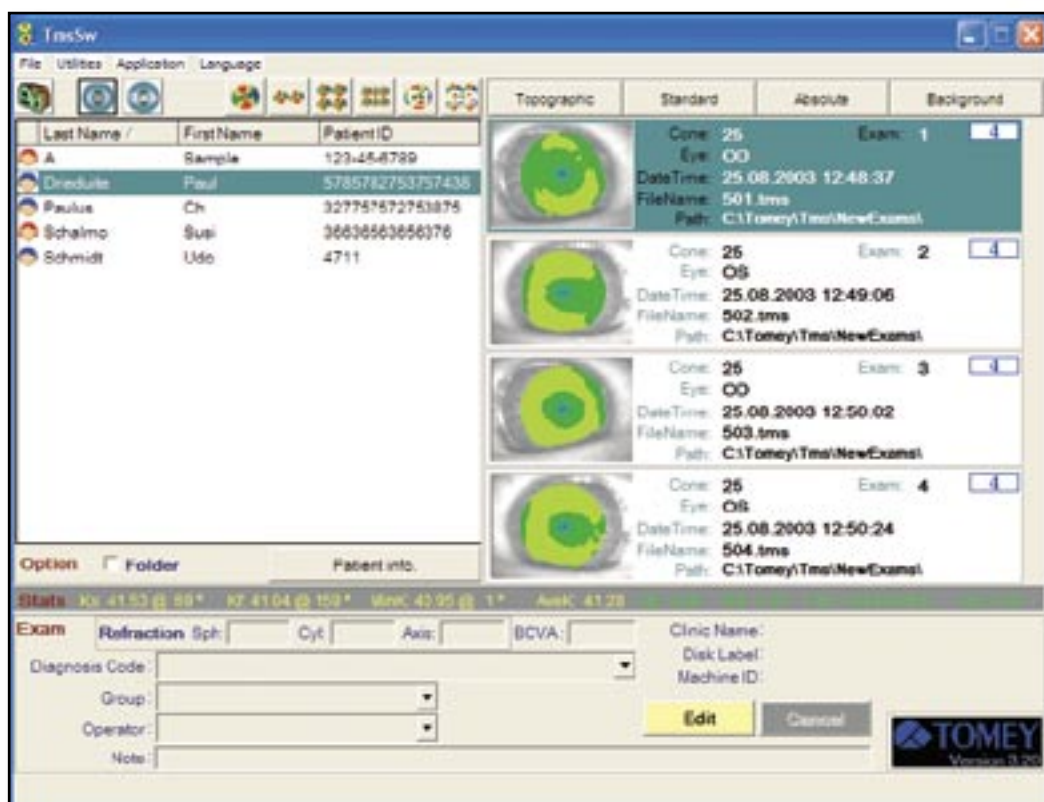
- *Over 60,000 Data Points*
- *Low Light Level Cones*
- *Compatible Software*
- *Multi-Language Operation*
- *Plug and Play*
- *Huge Patient Database*



USE A PROFESSIONAL SOLUTION 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.



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.

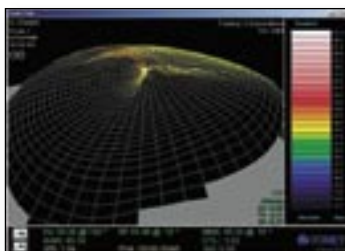


Reliable Light Cone

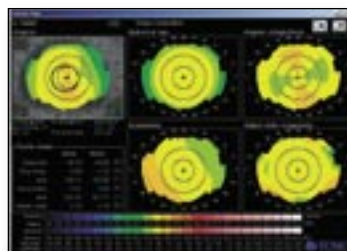
The TMS-4 comes with two light cones: 25 rings for deep set eyes and 31 rings for normal eyes. Other light sources can not interfere because the TMS-4 has its own measurement environment. Even light sensitive patients feel comfortable during the examination due to the low light level of the rings. The 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

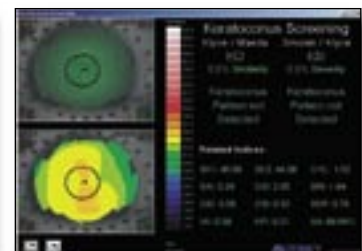
The Corneal Topographer has an integrated framegrabber. So it can be connected to almost every PC* or notebook* by simple "Plug and Play" method. If you do not have a computer – the TMS-4 can be delivered together with a modern PC.



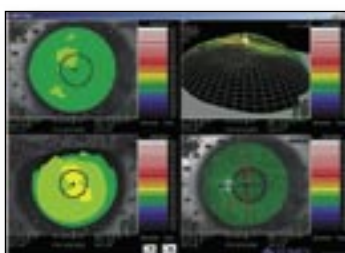
3D Corneal Map



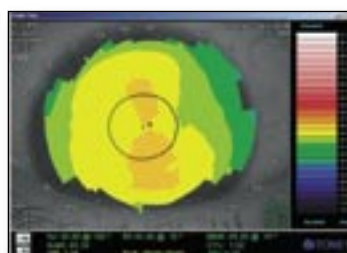
Fourier Analysis



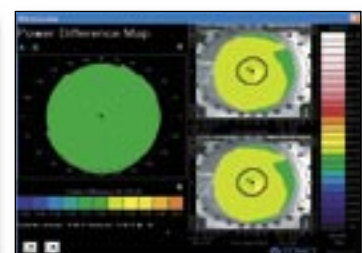
Keratoconus Screening



Multiple Map



Single Analysis



Power Difference

* Minimum requirements:
Pentium 600 MHz or higher, Windows 2000, XP, 256 MB RAM or more.

TOMEY

TMS-4 CORNEAL TOPOGRAPHER



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 - chinrest 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
Average Image

Single Exam File Size 407 KB

Measurement Range 9 D - 101.5 D
3 mm - 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,
Instantaneous 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
parallel port, Monitor

System Requirements

Operating System Windows 2000, XP
CPU Pentium Prozessor
600 MHz or higher
Memory (RAM) 256 MB or more

Dimensions

(WxDxH) 308 x 472.5 x 471 mm

Weight approx. 20 kg

Power Supply AC 100V to 240V
50/60 Hz, 50-60VA

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TECHNOLOGY AND VISION

TMS-4

