Topographic Modeling System

- ● Anterior and posterior analysis of cornea
- ● Scheimpflug images without a dark room
- ● With a very short image capture time of 0.5 seconds
- ● Comprehensive analysis applications
- ● Support of the conventional TMS exam data

TMS-5 **SPECIFICATIONS**

Measuring unit

Ring Topographer

Measurement type	Light cone
Measurement time	0.5 sec. / image (4 images maximum / each eye)
Ring numbers	25 or 31
Measurement range [mm]	5.5~10.0 (Spherical)
Measurement accuracy [mm]	±0.02 (Spherical)
Minimum / Maximum ring diameter [mm]	ϕ 0.35~10.7/ ϕ 0.45~11.7 (25 rings / 31rings)
Minimum / Maximum ring diameter (43D) [mm]	ϕ 0.46~8.8 / ϕ 0.57~10.9 (25 rings / 31 rings)
Measurement points	6,400 / 7,300 maximum (25 rings / 31rings)
Measurement points on a ring	256
Alignment	Manual with auto-correction
Image capturing	Auto / Manual

Slit scan image (Scheimpflug)

Measurement type	Scheimpflug
Scan speed	64 flames / 1.0 sec. (Default)
	32 flames / 0.5 sec.
Observation range [mm]	13.6mm
Measurement points	40,960 maximum (640 points × 64 flames)
Image capturing	Auto / Manual

Alignment monitor	6.4 inches color LCD
Optical head	Front-rear: 50mm / Left-right: 90mm / Up-down: 40mm
Chin rest	70mm
Dimensions [mm]	268(W)×513(D)×505(H)
Weight [Kg]	19
Power source	AC100V to 240V 50/60Hz 110-130VA Class I Type B

PC minimum requirements

OS	Windows® XP
CPU	Intel Core2 Duo processer
Memory	4GB
Video	Video memory: 512MB / OpenGL supported graphic card / Resolution: 1024x768
Storage	HDD: 640GB / CD-RW
Ports	USB 2.0 / LAN (RJ-45)

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TMS-5

Introducing a highly sophisticated TMS with Scheimpflug technology

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TMS-5
Topographic Modeling System

Introducing a highly sophisticated device with Scheimpflug technology

Rapid measurements with Scheimpflug

In the Scheimpflug mode, the TMS-5 can automatically capture multiple slices by focusing the alignment light on the center of the cornea as it does with Ring Topography. The time it takes to measure in this mode is approximately **0.5 to 1.0 seconds**. This is very similar to the measurement time of the Ring Topography.

0.5 to 1.0 seconds

Scheimpflug Images without a dark room

Since the slit light used in the Scheimpflug mode is emitted inside the cone, similar to the conventional TMS models, The TMS-5 is capable of capturing an image without a darkroom.

Rapid measurements with Ring-Topography

In Ring- Topo mode, The TMS-5 acquires a measurement by aligning the reflection of the laser light on the center of the first mire ring automatically. The unit avoids the offset of the alignment in addition to the patient blinking problems with a very short image capture time of **0.5 seconds**.

Supports conventional TMS Exam Data

Link and Import utilities allows you to access any patient data from any TMS database in order to view it and compare it with the latest patient images and data from the TMS-5.

Advanced IOL calculation

The TMS-5 plus OKULIX is perfect combination for calculating the optical properties of the human eye utilizing numerical ray tracing. It allows a fast and easy selection of interocular lenses compared to the eye's axial length.
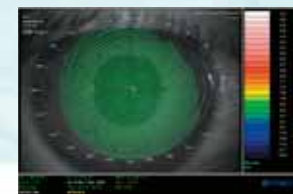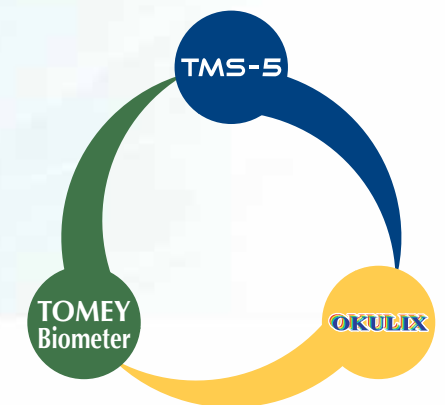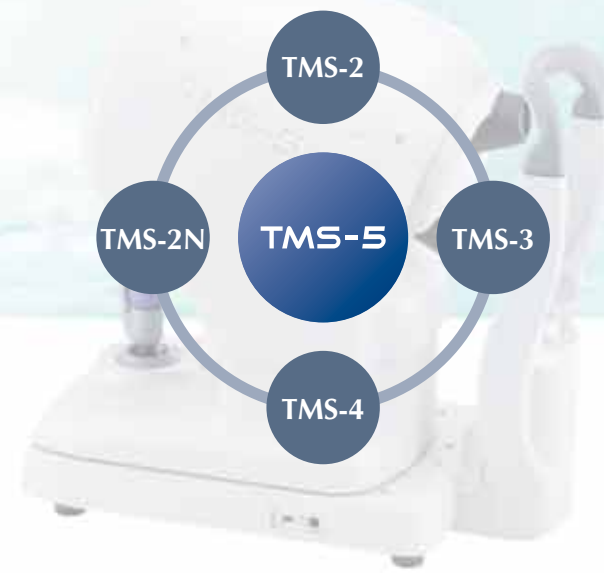
Ring-Topo image

Scheimpflug-Topo image
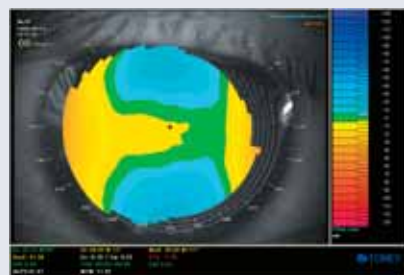
Marged-Topo image

Precise Analysis

By merging both the Ring Topography and the Scheimpflug topography, more accurate and reliable results can be achieved. This method eliminates the mis-trace that you would sometime see with the conventional TMS device.
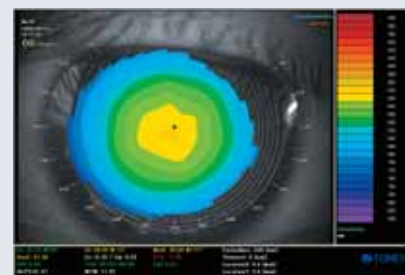
TMS-2 · TMS-2N · TMS-5 · TMS-3 · TMS-4

TMS-5 · TOMEY Biometer · OKULIX

Comprehensive analysis applications

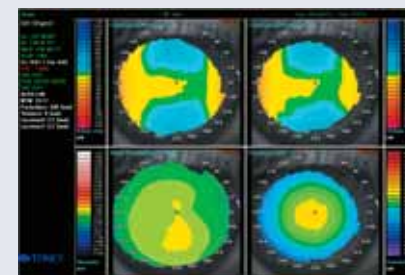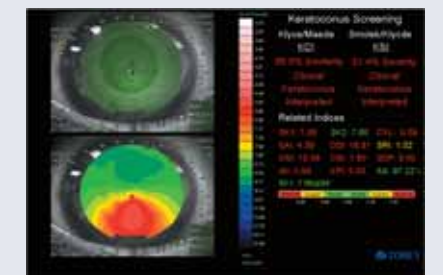| Real power map | Anterior and posterior elevation map | Pachymetry map | Multiple map | Fourier analysis map | Keratoconus screening |