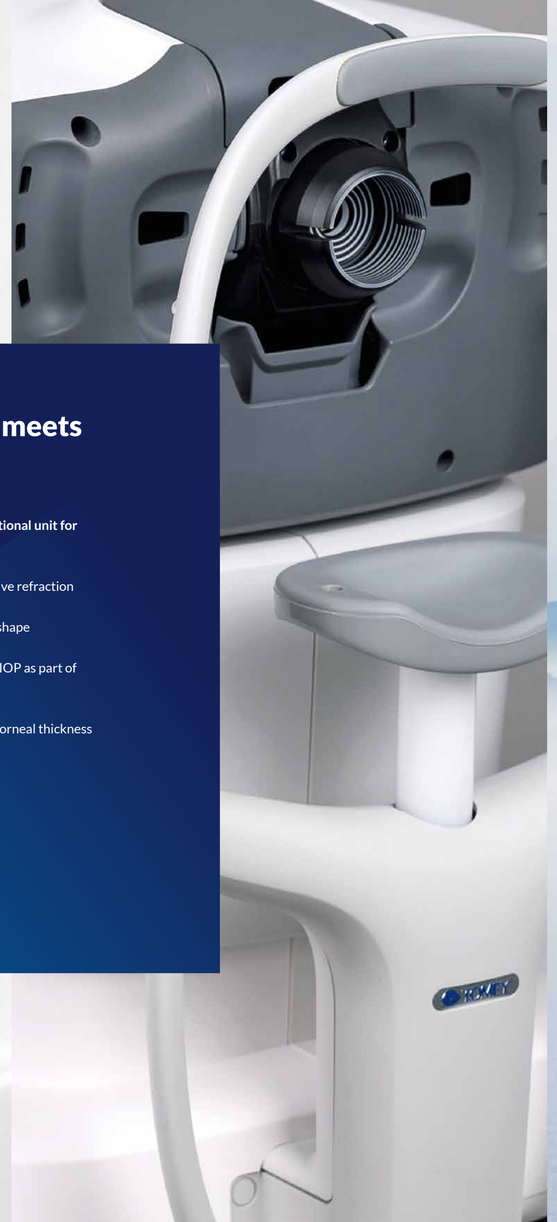

## Simplicity meets variety

**The versatile multifunctional unit for eye examinations can:**

+ Determine the objective refraction
+ Visualise the corneal shape
+ Assess the IOP and C.IOP as part of glaucoma screening
+ Measure the central corneal thickness
+ Observe dry-eye

# Specifications

| REFRACTIVE POWER MEASUREMENT | |
|---|---|
| **Spherical power** | -30.00 D to +25.00 D (at VD = 12.00 mm) |
| **Cylindrical power** | 0.00 D to ± 12.50 D (at VD = 12.00 mm) |
| **Astigmatic axis** | 0° to 180° |
| **Minimum pupil diameter** | 2.0 mm |

| KERATOMETRY MEASUREMENT | |
|---|---|
| **Corneal curvature radius** | 5.00 mm to 13.00 mm |
| **Corneal astigmatic axis** | 0° to 180° |

| INTRAOCULAR PRESSURE MEASUREMENT | |
|---|---|
| **Measurement range** | 1 mm Hg to 60 mm Hg (1 hPa to 80 hPa) |

| PACHYMETRY MEASUREMENT | |
|---|---|
| **Measurement range** | 300 µm to 800 µm |

| TOPOGRAPHY MEASUREMENT | |
|---|---|
| **Corneal curvature radius** | 5.50 mm to 10.00 mm |
| **Corneal astigmatic axis** | 0° to 180° |

| AUXILIARY FUNCTION | |
|---|---|
| **Interpupillary distance** | 20 mm to 85 mm |
| **Corneal diameter and pupil diameter** | 1.00 mm to 14.00 mm |
| **Dry-eye application** | Blinking frequency, tear meniscus height, hyperemia, Meibomian glands |

| DATA MANAGEMENT | |
|---|---|
| **Internal database** | Integrated SD card |
| **Printer** | Integrated thermal printer |
| **Data output type** | 3x USB 2.0, 1x Ethernet, 1x SD card slot, 1x WLAN (not available in all countries) |
| **Export format** | DCM, XML, CSV, JPG, PDF |

| DIMENSIONS AND ELECTRICAL REQUIREMENTS | |
|---|---|
| **Dimensions WDH** | 312 x 491 x 450 mm |
| **Weight** | approx. 23 kg |
| **Voltage** | 100 VAC to 240 VAC |
| **Frequency** | 50/60 Hz |
| **Power consumption** | 110 VA |
| **Laser class** | Class 1 |



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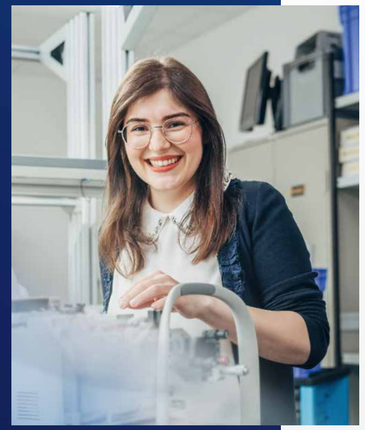
TOMEY

# MR-6000

*Multifunction Unit*

# You + eye.
*We care.*



"IT'S APPEALING TO WORK WITH HIGH-END TECHNOLOGY DEVICES AND LEARN ABOUT THEIR BENEFITS FOR MEDICAL TREATMENT."

Katharina Koriski

TECHNICAL DEPARTMENT ENGINEER

# MR-6000
## *Multifunction Unit*

*The MR-6000 delivers a smart combination of five different eye examinations and a Dry Eye observation app. Along with the advantage of automatic alignment, this means that the MR-6000 speeds up your workflow and makes it more efficient.*

**Dry-eye application**
Blinking frequency, tear meniscus height, hyperemia, and Meibomian gland observation all help assess dry eye.

**Topography**
16 Mire rings examine an area 8 mm in diameter. A number of topography maps, including Fourier analysis, provide a wide range of options for visualising corneal shape.

**Wide range alignment by image recognition**
Refined auto alignment and auto shot support the operator during the examination.

**Measurement cone interchange in just 4 sec**
Electrical cone interchange enables rapid switching between the measurement modes.

**Pupil and corneal diameter**
The diameters of pupil and cornea (WTW) are measured with each topography. Manual correction allows the user to adjust the measurement points.

**Five functions in one system**
This multifunction unit includes objective refraction, keratometry, topography, tonometry, and pachymetry. In addition, the Dry Eye observation app completes the powerful 5 + 1 system.

**Quick refraction mode**
The quick refraction mode supports refraction values to be obtained within seconds despite fixation loss: for example, for patients with nystagmus, children, or uncooperative patients.

**Corrected IOP**
A new generation of air-flow technology delivers a patient-friendly and gentle air puff. The automated IOP correction mode utilizes pachymetry values to correct the IOP.

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