

MEDMONT E300 USB

Corneal Topographer

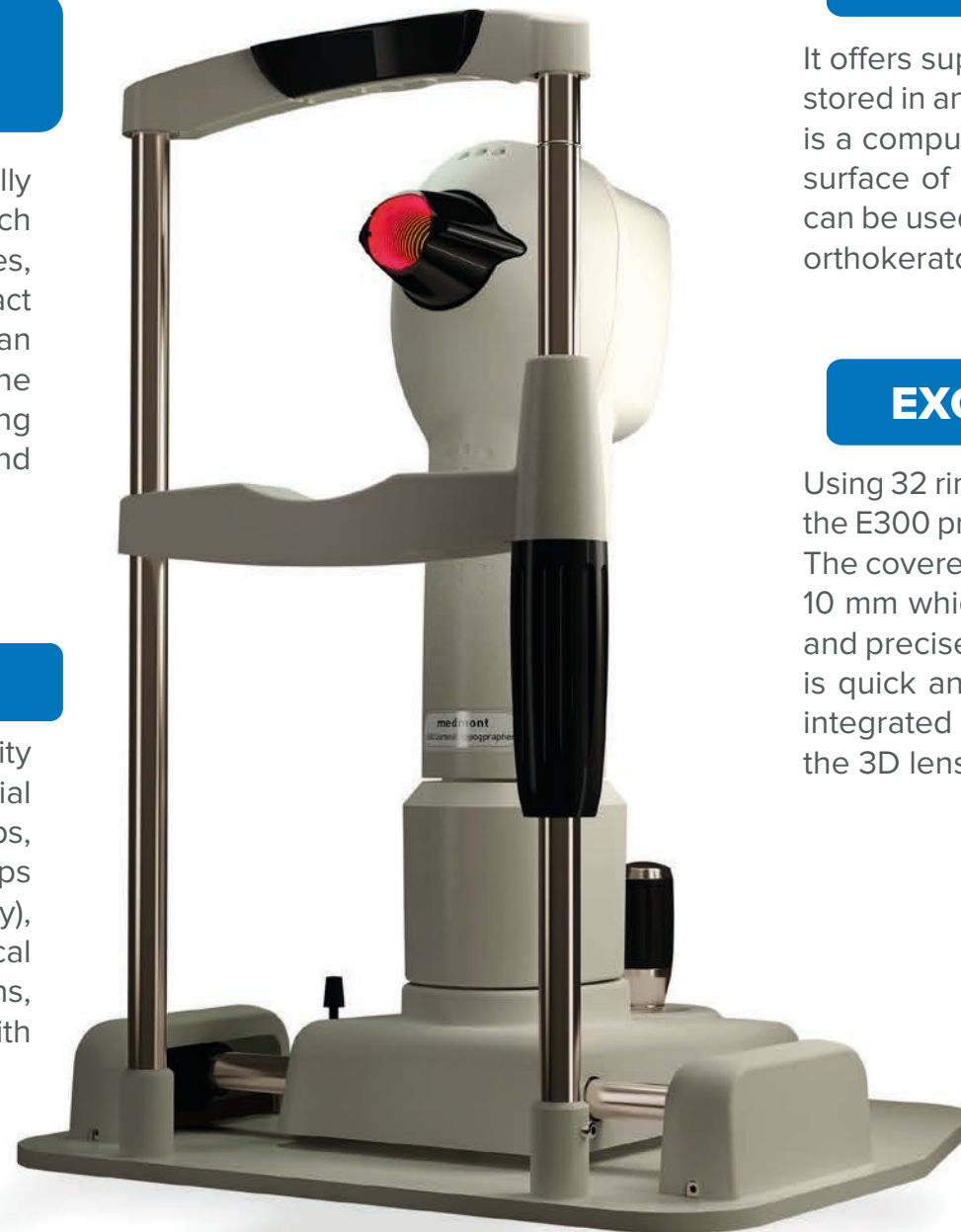
WHEN ACCURACY MATTERS

FITTING OF CONTACT LENSES

The Medmont E300 topographer includes fully integrated contact lens fitting software, which supports fitting of rigid gas permeable lenses, including multi-curve RGP toric lenses. The contact lens database contains standard designs and can be updated independently of the software. The software allows manual fitting and repositioning of the lens shown in a fluorescein simulation and tear meniscus graph.

CORNEAL MAPS

Medmont Studio software includes the possibility of displaying different maps, including axial curvature, tangential curvature, elevation maps, video image, difference displays between maps (orthokeratology monitoring, refractive surgery), comparative displays (evolution of pathological processes in cornea), meridional sections, measurable selected points, power maps with absolute or normalized values.



ADVANCED TOPOGRAPHY

It offers superior comfort and accuracy with extensive features that are stored in an integrated software supported by the Medmont Studio. E300 is a computerized video keratometer that uses placid discs to map the surface of the human cornea. The results of the patient examinations can be used to assist the adaptation of contact lenses, refractive surgery, orthokeratology and general diagnosis of the cornea.

EXCEPTIONAL CORNEAL COVERAGE

Using 32 rings with 9,600 measuring points and 102,000 analyzed points, the E300 provides detailed topography over a large surface of the cornea. The covered extension extends from an inner ring of 0.25 mm to beyond 10 mm which is ideal for the detailed diagnosis of corneal pathologies and precise adaptation of contact lenses. Fully automatic image capture is quick and simple. Images are automatically captured with a simple integrated alignment system. Simply position the instrument guided by the 3D lens and let the software do the rest.

IMAGE CAPTURE AND ANALYSIS AUTOMATED

Each video frame is analyzed in terms of centering, focusing and movement. The four best frames are automatically captured and presented on the preview screen, allowing the user to view and save the best of the images for further analysis.