Tradition and Innovation – Since 1858, visionary thinking and a fascination with technology have guided us to develop innovative products of outstanding reliability. Anticipating trends to improve the quality of life.
Perfect K values – best toric results
The Lenstar features dual zone keratometry or T-Cone topography for precise astigmatism and axis measurement. The integrated Barrett Toric Calculator predicts toric IOL, considering the posterior cornea for best refractive outcomes.

EyeSuite IOL – the ultimate planning platform
The Toric Planner enables the user to optimize the incision location based on his individual SIA to achieve minimum residual astigmatism. Calculating the toric IOL with the Barrett Toric Calculator provides improved prediction accuracy, taking the effect of posterior cornea and lens design into account. Use of high resolution images of the patient’s eye for the planning allows easy identification and localisation of anatomic landmarks for best transfer of the plan to surgery.

Measured lens thickness – improved refractive outcomes
Lenstar provides laser optical biometry of the entire eye, including lens thickness. This is one of the key parameters for improved prediction of the IOL position with latest generation IOL calculation methods like Barrett, Olsen or Holladay 2.
T-CONE
Topography for torics – match the axis

With the optional T-Cone toric platform, the keratometry measurement of Lenstar is extended with true 11-ring Placido topography. This additional data improves the efficacy and safety of toric IOL surgery, eliminating the risk of irregularities and allowing the user to double check the axis location on topography maps as well as in the surgical planning sketch on high resolution images of the patient’s eye.

BARRETT TORIC CALCULATOR
More accuracy for torics

The Barrett Toric Calculator features a unique model of the human eye to predict the posterior radii of the cornea based on precise anterior keratometry measurement. The resulting total corneal power is then used to calculate the cylinder and axis of the toric implant for efficient astigmatic correction. First clinical data presented at the ESCRS 2014 proves the superiority of the Barrett Toric Calculator. In addition EyeSuite IOL shows the implantation axis, the incision location and user-defined guiding meridians in the patient’s eye image for best transfer of the plan to surgery.

BARRETT DUAL AXIS TORIC MARKER
Accurate transfer of the plan to surgery

Unique to the Barrett Dual Axis Toric Marker is its dual axis design. The two dials enable the user to set the outer dial to a reference axis based on guiding meridians to anatomic landmarks or alternatively set to the ‘true’ horizontal provided by the free toriCAM® app (iTunes® app store) compensating for eventual inaccuracy of manual limbal marks. The inner dial is set to the calculated implantation axis of the toric IOL. The Barrett Dual Axis Marker paired with LENSTAR and EyeSuite IOL Toric Planner provide intuitive planning and accurate transfer to surgery for efficient and economic toric cataract surgery.