

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Россия +7(495)268-04-70

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Казахстан +7(7172)727-132

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Киргизия +996(312)96-26-47

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

<https://hs.nt-rt.ru> || hbs@nt-rt.ru

LENSTAR LS 900

The all in one cataract planning platform

Spectacle independence is the goal of cataract surgery today, Lenstar provides all the data and state-of-the-art IOL formulae required to achieve this!



ALL AT ONCE

Access to full eye data in a single click

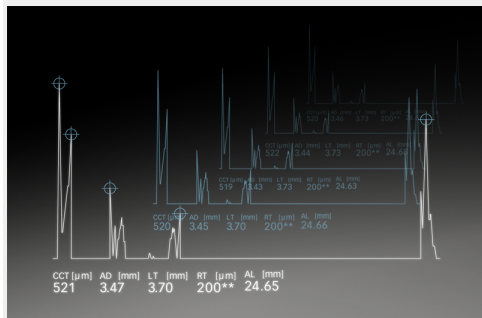
In a single measurement scan using optical low coherence reflectometry (OLCR), Lenstar captures axial dimensions of all of the human eye's optical structures. Lenstar also measures corneal curvature, white-to-white and more.

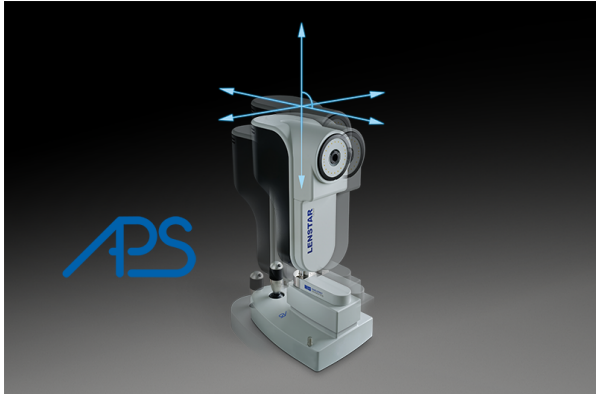
ALL AT ONCE

Complete optical biometry for better outcomes

Precise measurement of the entire eye – from cornea to retina – is key to achieving optimal IOL prediction accuracy in surgery.

Lenstar is the first optical biometer to provide the surgeon with all the measurements necessary to take full advantage of the latest IOL prediction methods, such as the Hill-RBF Method, Barrett and Olsen formulae, now integral to Lenstar.





ALL AT ONCE

Efficacy and precision

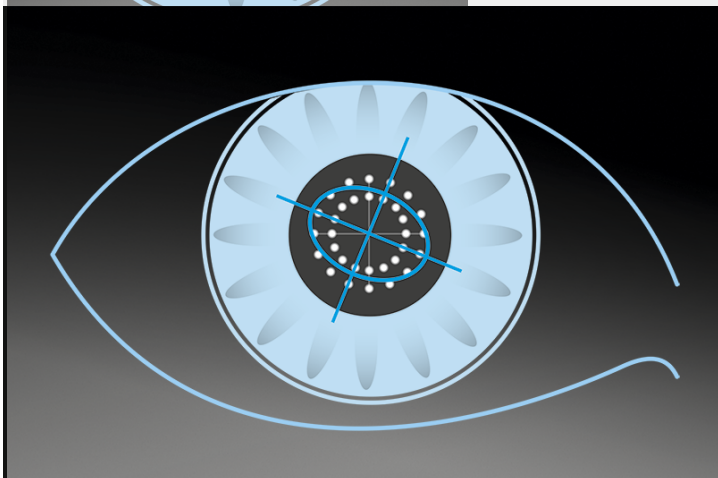
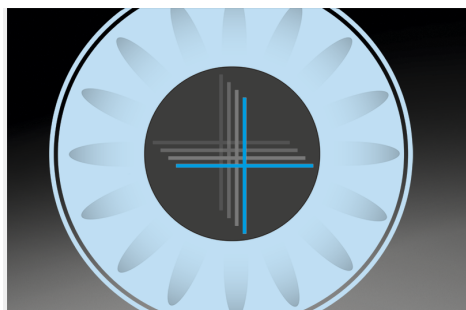
With APS, taking biometry measurements has never been easier. Biometry at a single click of the joystick saves time and increases patient and user comfort.

ALL AT ONCE

Reliable and easy to delegate – more efficient

Lenstar APS improves the repeatability of measurements, assisting the user in the fine alignment of the device and allows easy to delegate biometry for efficient patient flow in your practice.

The Automated Positioning System of Lenstar APS assists the user during the measurement process with dynamic eye tracking. This feature is combined with Lenstar's superior measurement technology, providing axial measurements of the entire eye, dual-zone autokeratometry and optional topography for excellent IOL prediction in all eyes.



PERFECT K'S

Perfect K values = best toric results

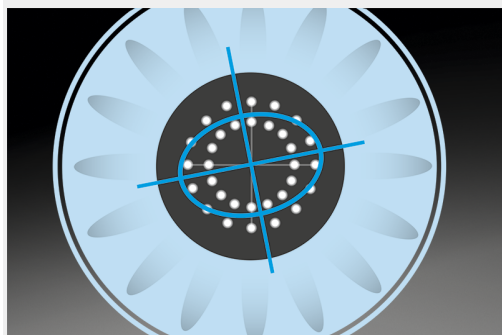
Lenstar features dual-zone keratometry or T-Cone topography for precise astigmatism and axis measurement. The integrated Barrett Toric Calculator predicts toric IOL, taking into account the posterior cornea for best refractive outcomes.

PERFECT K'S

Improved outcomes with dual zone keratometry

Lenstar's unique dual zone keratometry provides measurement of the axis and astigmatism, equivalent to the "Gold Standard" manual keratometry recommended for toric IOL by manufacturers.

The closely spaced 32 measurement point pattern improves precision, both delivering more data and minimizing the need for software data interpolation.



PERFECT K'S

Improved outcomes with dual zone keratometry

In a recent study Dr. Kjell Gunnar Gundersen showed how Lenstar improves the patient workflow and refractive outcomes in his toric patients. In the study only Lenstar K readings were used to plane the toric IOL. The results may be summarized as follows:

- 89% of all eyes had best uncorrected visual acuity within one line of best corrected visual acuity
- the mean rest cylinder was as low as 0.45D

- refractive outcomes: 96% <0.5D sphere; 65% <0.5D astigmatism

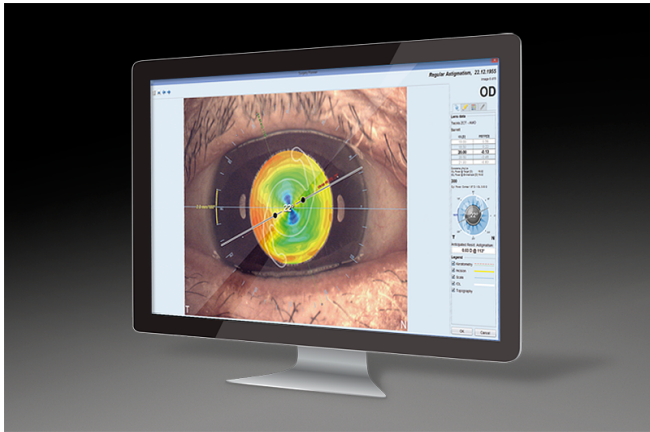
Please read Dr. Gundersen's conclusion of the study: "We found that 89% of eyes had uncorrected visual acuity within one line of best corrected visual acuity. And this really indicates that we have close to perfect post-operative refractive status!"

PERFECT K'S

Topography for torics – match the axis

With the optional T-Cone toric platform, the axis and astigmatism 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.





PERFECT K'S

Topography for torics – match the axis

The T-Cone enables Lenstar to provide true Placido topography of the central 6 mm optical zone. The toric surgery planning platform allows for the planning and optimization of the surgical procedure based on high-resolution and true color eye images taken with Lenstar, either in combination with the T-Cone, or simply based on the dual-zone keratometry of the standard unit. The toric planner shows the implantation axis, the incision location and user-defined guiding meridians in the real patient image. The planning sketch can easily be printed and hung near the microscope for intuitive transfer of the plan to surgery.



ADVANCED IOL PLANNING

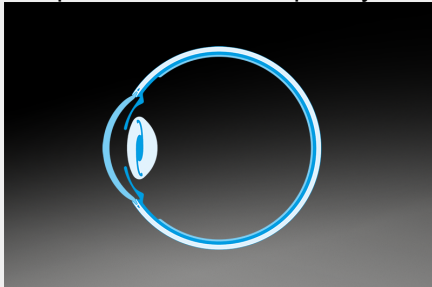
Improved refractive outcomes with any patient

EyeSuite IOL provides a comprehensive set of premium IOL calculation formulae for standard cataract patients as well as for patients with a history of keratorefractive surgery. The optional Toric Planner complements IOL planning with an intuitive tool for toric interventions.

ADVANCED IOL PLANNING

Predictable outcomes

Modern multivariable formulae such as Barret and Olsen or the Hill-RBF Method integrated in EyeSuite IOL, provide predictable outcomes in any patient, independent of anatomic particularities. Using measurements of all compartments of the eye, these formulae allow for the prediction of the IOL position and subsequently the IOL power with improved accuracy in short, normal and long eyes.



ADVANCED IOL PLANNING

Master post refractive cases

EyeSuite IOL provides the user with a set of premium IOL calculation formulae for post-keratorefractive patients with or without known clinical history. Barrett True-K, Shammas No-History, and the Masket formulae have proven their efficacy in several peer-reviewed studies and may be regarded as best-in-class.

Match the axis

The Barrett Toric Calculator provides the user with one of the best toric IOL predictions available on the market. The toric calculator features dynamic calculation of the lens position for cylinder power transformation to the corneal plane as well as consideration of the anterior and the posterior corneal curvature for cylinder power and axis calculation.

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Россия +7(495)268-04-70

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Казахстан +7(7172)727-132

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Киргизия +996(312)96-26-47

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

<https://hs.nt-rt.ru> || hbs@nt-rt.ru