



Lenstar Myopia by HOYA

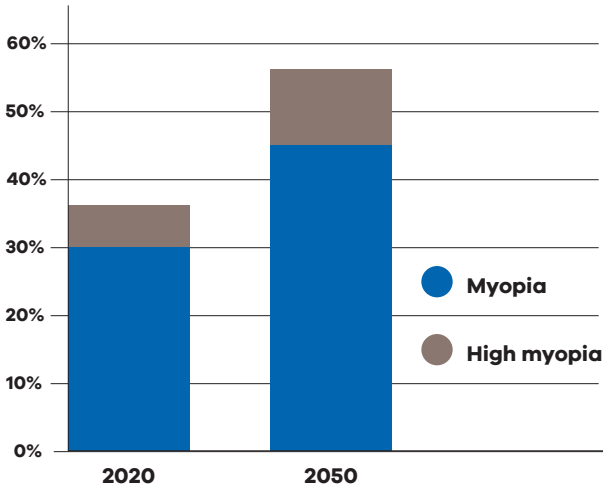
The smart companion for managing myopia, together

HOYA
FOR THE VISIONARIES

Lenstar Myopia by HOYA

For tracking and managing myopia

Cases of myopia have increased substantially in recent years, and if left untreated, myopia may cause vision issues in children and can lead to ocular conditions later in life as an adult.¹



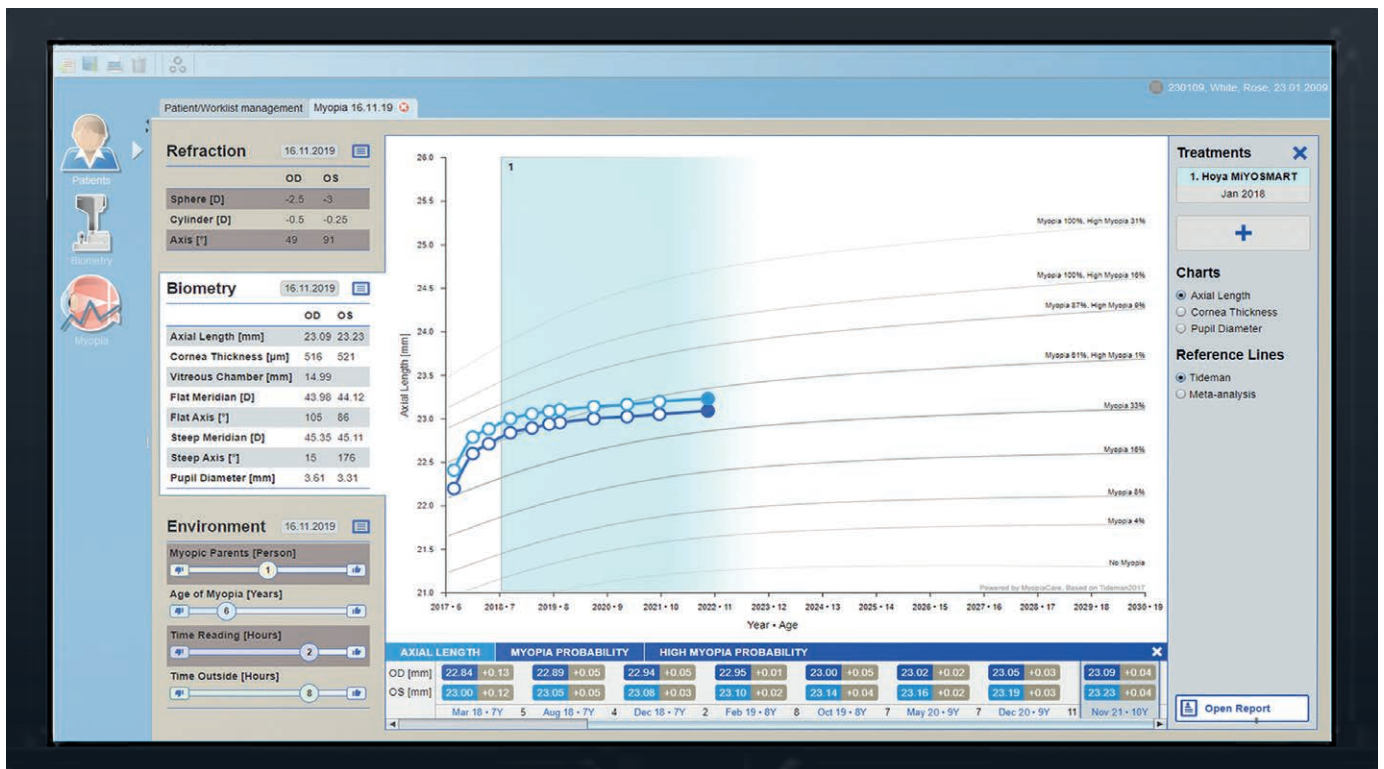
Research predicts that by 2050¹:

- 4.758 billion people may have myopia
- 49.8% of the world's population may have myopia
- 938 million people may have high myopia

¹Holden B. A. et al. Global Prevalence of Myopia and High Myopia and Temporal Trends from 2000 through 2050. Ophthalmology. 2016 May;123(5):1036-1042

Now, you can join the fight against myopia by enhancing your practice's myopia management capabilities and adding Lenstar Myopia by HOYA as a companion to MiYOSMART spectacle lenses.

Lenstar Myopia by HOYA uses biometry for precise measurements for early detection of myopia onset. It then uses powerful software to facilitate effective myopia management with graphic representations for ease of tracking and explanation during the parent/child consultation procedure.



Enhance your myopia management capabilities

Lenstar Myopia helps monitor and manage the result of myopia management treatment through biometrics and analytical visualisations. Measurement of axial length is an excellent way to predict the onset and progression of myopia. EyeSuite software uses the latest axial length growth curves published by the myopia experts at the Erasmus University Medical Center in Rotterdam, The Netherlands. It also shows the potential impact of lifestyle on myopia progression in order to help improve the results of the treatment. EyeSuite Myopia is constantly being improved.

Cutting edge biometry meets powerful software

The Lenstar Myopia is based on the proven technology of the high-precision Lenstar 900 optical biometer and corresponding EyeSuite Myopia software. The Automated Position System (APS) of the Lenstar Myopia allows for easy and fast measurements for your patients. Next to precise axial length measurement, the biometer also performs keratometry, giving you a wide range of data to monitor myopia progression and advise your patients on myopia management.



A complete myopia management suite

Lenstar Myopia uses biometry and software to monitor myopia progression and helps you provide consultation and indication to your patients for better results of the treatment.



Refraction

By determining myopic refraction and its myopic progression in childhood, the results of myopia treatment can be monitored and managed. You are also able to import or enter previously collected data from other eye examination devices for use in the suite.



Axial length

Measuring axial length is an excellent way of predicting myopia progression because it does not depend on accommodative status and is less dependent on your patient's visual performance. EyeSuite uses the latest axial length growth curves, which can be updated with new growth curves as they become available.



Graphic representation

EyeSuite graphs are one of its greatest strengths. It allows you to present the patient with the results of the treatment versus untreated potential myopia progression. It's also a good way to educate the parents on provided treatment.



Comprehensive reports

EyeSuite combines all the collected data and curves into a comprehensive report. This report provides patients and their parents with easily understandable information, allowing them to actively participate in the myopia management process and agree on the appropriate treatment for their situation.



Care goes beyond the lens

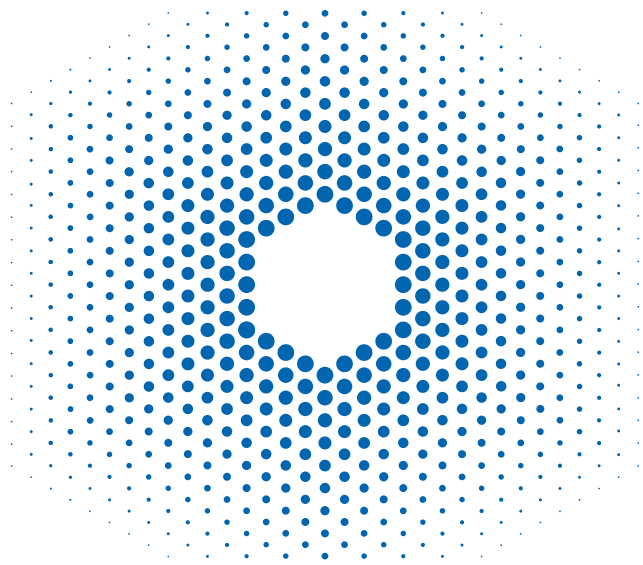
Lenstar Myopia by HOYA also helps to collect data about risk factors, such as myopic parents, time spent working closely to screens or using electronic devices and time on near-vision activities. Based on this input, you can provide preventive advice to the parents to eliminate the risk factor to minimum.



A winning combination for myopia management

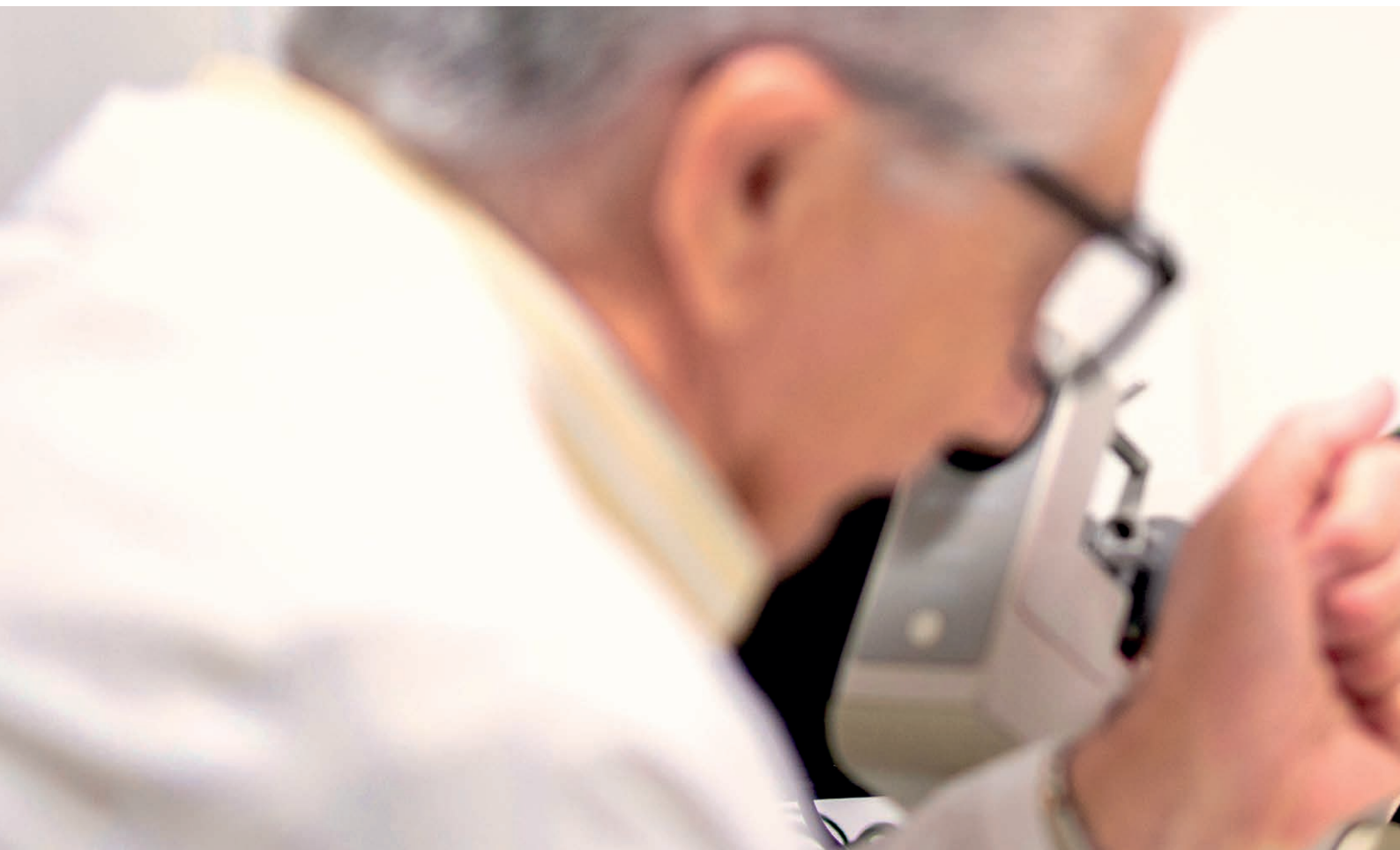
The MiYOSMART spectacle lens is a safe, easy to use and effective non-invasive method to manage myopia in children.

Lenstar Myopia by HOYA helps monitor and manage the results of myopia treatment through biometry and analytical visualisations, when patients visit your practice for consultation.



A smart companion for managing myopia, together

Together, MiYOSMART spectacle lenses and Lenstar Myopia create a unique combination that allows for efficient myopia management. It also helps parents to understand the treatment and follow the personalised advice for best results.



Technical specifications

Lenstar Myopia by HOYA

Measured variables and modes

Axial length ^{AL}

Measurement range 14–32mm

Display resolution 0.01mm

Vitreous chamber depth ^{VCD}

Measurement range 1–30mm

Display resolution 0.01mm

Keratometry ^K

Measurement range

for radius 5–10.5mm

Display resolution 0.01mm

Measurement range 0–180°

for axis angle

Display resolution 1°

Laser safety

Class 1 laser product

Electronic medical record system interfaces

- DICOM (SCU)
- EyeSuite Script Language
- GDT
- EyeSuite command line interface

The measurement ranges above are based on the device's standard settings for automatic measurement and analysis.

EyeSuite Myopia

Features

Refraction

After entering the latest measurement of the refraction value into the EyeSuite system, the algorithm will take the data and create the graph showing the treated versus untreated myopia progression.

Biometry

Graphic representation of individual axial growth trends to support myopia progression analysis by overlaying axial length growth curves.

Risk Factor

Graphs of individual risk factors, such as myopic parents and time spent on near-vision activities and their potential effects in myopia progression.

Myopia Report

Customised reports of all available data and growth curves is a good basis for in-depth education and counselling of patients and parents.



Lenstar Myopia, distributed by HOYA Vision Care
For more information visit
www.hoyavision.com/uk
Or contact your Business Development Manager.

