IOT Lens Data Advisor

IOT lens data advisor is a system that calculates the ideal progressive lens for each wearer, taking into consideration the satisfaction of previous wearers of progressive lenses.

Thanks to data analysis and machine learning techniques, IOT Lens Data Advisor maximizes the chances of success in each new fitting, increasing the patient's final satisfaction.

For the first time in the ophthalmic industry, an objective system that can learn and evolve over time – guided by wearers' feedback – has been achieved.

The challenge of recommending a lens design

The best lens is the one that meets the patient's expectations and offers them the most satisfaction. However, today there are no comprehensive models or clinical studies available that provide a clear link between wearers' satisfaction (with their personal characteristics) and those of the lens. The decision to recommend a design is generally based on the practitioners' own experiences. It can be inferred by factors such as previous mistakes and successes, feedback from their patients, or other guidelines.

IOT Lens Data Advisor stems from the need to provide vision professionals with a system capable of calculating the best lens for each wearer based on objective data.

IOT Lens Data Advisor is an original patented solution. It is a pioneer in the use of machine learning in the ophthalmic lens industry.

IOT Lens Data Advisor | Algorithm

IOT Lens Data Advisor includes a decision algorithm. A sequence of instructions that represents a solution model to calculate the ideal progressive lens, the one that guarantees high satisfaction. The algorithm considers aspects such as prescription, previous experience in the use of progressive lenses, lifestyle, and degree of satisfaction, among other factors.

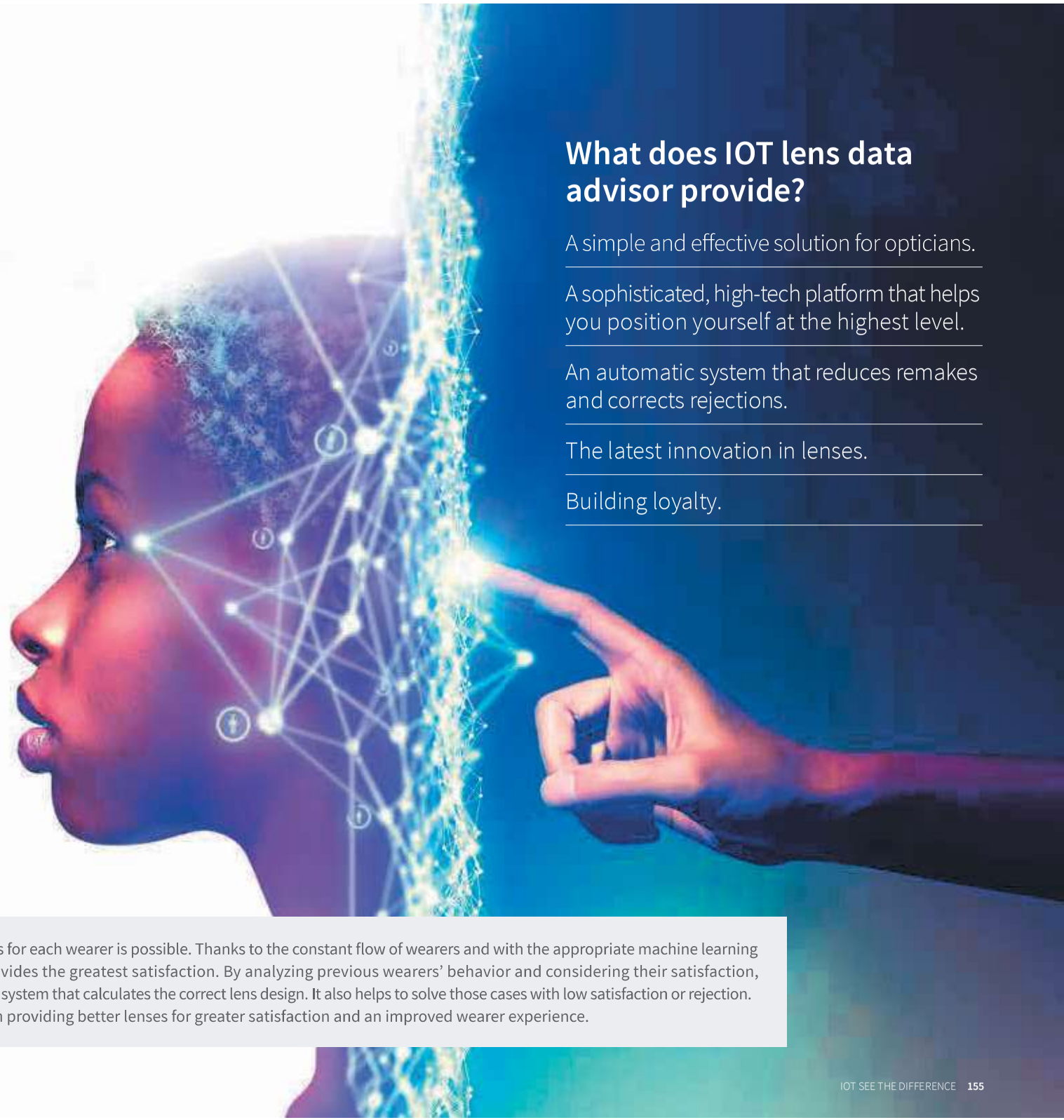
An objective decision based on machine learning

IOT Lens Data Advisor grows and evolves by systematically learning from each new wearer. Thanks to machine learning (ml) techniques, it goes from being a static system to a living one, aimed at intelligently modeling the uncertainty associated with the patient. It considers their satisfaction, recognizing the variables that have the most significant impact on it and the design to be recommended. In this way, we manage to improve the current system, and wearers get even better lens designs.

Patient profile

Each patient has a unique profile in the IOT Lens Data Advisor platform with specific characteristics and needs, including their lifestyle, previous lens experience, expectations, prescription, proposed lens data, and their level of satisfaction. All this anonymous data, adequately organized and processed, generates a database used to detect patterns and behaviors, predict situations, anticipate decision-making, and calculate the ideal lens, offering the end customer a better experience.

Based on the satisfaction of previous patients, the system calculates lenses the wearer will like most by searching for profiles similar to their own: **Lookalike Profiles.**



What does IOT lens data advisor provide?

A simple and effective solution for opticians.

A sophisticated, high-tech platform that helps you position yourself at the highest level.

An automatic system that reduces remakes and corrects rejections.

The latest innovation in lenses.

Building loyalty.

Knowing a priori which will be the best lens for each wearer is possible. Thanks to the constant flow of wearers and with the appropriate machine learning techniques, we can create a lens that provides the greatest satisfaction. By analyzing previous wearers' behavior and considering their satisfaction, IOT Lens Data Advisor offers professionals a system that calculates the correct lens design. It also helps to solve those cases with low satisfaction or rejection. IOT Lens Data Advisor is a breakthrough in providing better lenses for greater satisfaction and an improved wearer experience.