



Press Release

ZEISS Combines Objective and Subjective Refraction in a Space-Saving Unit

ZEISS VISUCORE 500: A quick and precise refraction system that saves space in the optical store.

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ZEISS presents ZEISS VISUCORE 500 – a high-precision system that combines objective and subjective refraction. Thanks to its sleek design, sophisticated technology and well thought-out software, ZEISS VISUCORE 500 quickly delivers precise data – regardless of the size of the refraction room or the level of experience of the staff.

Fast, practical and efficient: adapted to customer needs

Consumers lead busy lives, so there is definite value in a quick eye test that doesn't take up too much of their time. Consumers often find a drawn-out process unsettling and may think it is their fault because they may have said something wrong during the assessment process. ZEISS VISUCORE 500 has stored a streamlined yet safe and precise refraction process workflow. This enables professionals – regardless of their level of training – to obtain final objective and subjective refraction values quickly.

The demands for a digital, holistic experience when visiting an eye care professional have also grown. ZEISS VISUCORE 500 reflects exactly that: a state-of-the-art instrument that automatically guides you through the process – and where even the near refraction is digital. This doesn't only allow the eye care professional to work to a high level of precision, but it also demonstrates the high standard and professionalism of work in the optical store.

ZEISS VISUCORE 500: The ideal tool when space is limited

Rents are high in cities and metropolitan areas and also in shopping malls. At the same time, the space available is limited. This poses a challenge for optical stores in particular regarding the traditional refraction room. For this reason, ZEISS VISUCORE 500 is designed to only take up eight square feet, respectively 0.8 square meters, and can therefore be integrated even into small stores. Built-in mirrors and a lens make it possible to physically create an optical distance of five meters.



Shortage of skilled workers in the optical industry

Many specialty stores have difficulty finding staff – and employees often have varying educational backgrounds. The ZEISS VISUCORE 500 modes of operation ensure that no matter what their educational background, staff can perform correct and precise refraction.

Three different modes of operation are offered for this purpose – some of which will already be familiar to eye care professionals from the existing ZEISS refraction units: Workflow Mode (defined, more complex processes), Freestyle Mode (professional mode with individual chart composition) and the new Guided Mode. The Guided Mode takes users through the refraction process step by step, regardless of their level of qualification and experience. Whether the user is a student or an expert, they can work according to the detailed yet user-friendly instructions. If values are suspicious during refraction, detailed information, and instructions on how to resume a correct refraction are given. A consistent and very high level of quality in the refraction results can thus be achieved, regardless of the employee conducting the process.

Seamlessly integrated into the ZEISS ecosystem

ZEISS VISUCORE 500 can be seamlessly integrated into the ZEISS ecosystem. It is controlled via ZEISS VISUCONSULT 500. There is, of course, no longer any need for manual data transfers. As part of the overall process in the optical store, the refraction values are transferred to the available centration unit as the next step and ultimately become an automated part of the order via ZEISS VISUSTORE.

ZEISS VISUCORE 500 is available since spring 2023 on the US market and will be gradually offered in other markets worldwide in the near future.

The facts at a glance:

- Binocular objective and subjective refraction are combined in one compact unit.
- Consists of the ZEISS VISUSCREEN 100 Compact vision testing system and ZEISS VISUCORE 500 Refractor (refractor, keratometer and phoropter), as well as an ergonomic table.
- Space-saving: requires less than eight square feet of space; an optical path for subjective refraction of five meters is provided by mirrors and a lens.
- Consumer-friendly: fast and efficient collection of refraction data.



- Easy to operate: even for staff with only basic training thanks to integrated standard process.
- Precise: increased speed does not reduce the accuracy of the results.
- A further step in digitalization: complete integration into the ZEISS ecosystem, enabling smart data handling and modern appearance.
- As a result: more time for consulting thanks to fast process.

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About ZEISS

ZEISS is an internationally leading technology enterprise operating in the fields of optics and optoelectronics. In the previous fiscal year, the ZEISS Group generated annual revenue totaling 8.8 billion euros in its four segments Semiconductor Manufacturing Technology, Industrial Quality & Research, Medical Technology and Consumer Markets (status: 30 September 2022).

For its customers, ZEISS develops, produces and distributes highly innovative solutions for industrial metrology and quality assurance, microscopy solutions for the life sciences and materials research, and medical technology solutions for diagnostics and treatment in ophthalmology and microsurgery. The name ZEISS is also synonymous with the world's leading lithography optics, which are used by the chip industry to manufacture semiconductor components. There is global demand for trendsetting ZEISS brand products such as eyeglass lenses, camera lenses and binoculars.

With a portfolio aligned with future growth areas like digitalization, healthcare and Smart Production and a strong brand, ZEISS is shaping the future of technology and constantly advancing the world of optics and related fields with its solutions. The company's significant, sustainable investments in research and development lay the foundation for the success and continued expansion of ZEISS' technology and market leadership. ZEISS invests 13 percent of its revenue in research and development – this high level of expenditure has a long tradition at ZEISS and is also an investment in the future.

With over 38,000 employees, ZEISS is active globally in almost 50 countries with around 30 production sites, 60 sales and service companies and 27 research and development facilities (status: 30 September 2022). Founded in 1846 in Jena, the company is headquartered in Oberkochen, Germany. The Carl Zeiss Foundation, one of the largest foundations in Germany committed to the promotion of science, is the sole owner of the holding company, Carl Zeiss AG.

Further information at www.zeiss.com

ZEISS Vision Care

ZEISS Vision Care is one of the world's leading manufacturers of eyeglass lenses and ophthalmic instruments. The unit is allocated to the Consumer Markets segment and develops and produces offerings for the entire eyeglass value chain that are distributed globally under the ZEISS brand.