

Two in one:

Refraction simplified.



Seeing beyond



ZEISS VISUCORE 500

- A complete subjective and objective refraction unit **suitable for small spaces**
- **Fast and reliable refraction** – regardless of the examiner's level of expertise
- The new standardized **Guided Mode** takes users through the refraction process step-by-step

zeiss.com/instruments+technology



Simplifying refraction ...

Refraction forms the foundation of optimum vision care for your customers. A **wavefront autorefractor** is a quick and precise starting point for pre-tests and objective refraction. It's then convenient to follow on this with an **automated digital phoropter** connected to a digital optotype to complete subjective refraction and binocular vision tests.

However, this combination of different devices takes up a lot of space in your practice. The customer has to move from one device to another, often in different locations in the practice. On top of that, the staff must have an advanced level of education and training to properly operate it.

This is about to change.



... with a combined refraction unit. Introducing ZEISS VISUCORE 500¹

A refraction unit that combines precise objective and subjective refraction in one cycle. It saves space and increases efficiency with faster refraction, without compromising on accuracy – regardless of your staff's experience.

- **Compact:** a complete refraction unit suitable for **small spaces**
- **Straightforward:** new and standardized **Guided Mode** takes users through the refraction process step-by-step
- **Fast:** reduced chair time², increased capacity and **more time for patient's consultation**
- **Accurate:** faster refraction does not compromise the accuracy of the results
- **Connected:** complete integration into the ZEISS ecosystem enables a **seamless workflow** and convenient data transfer

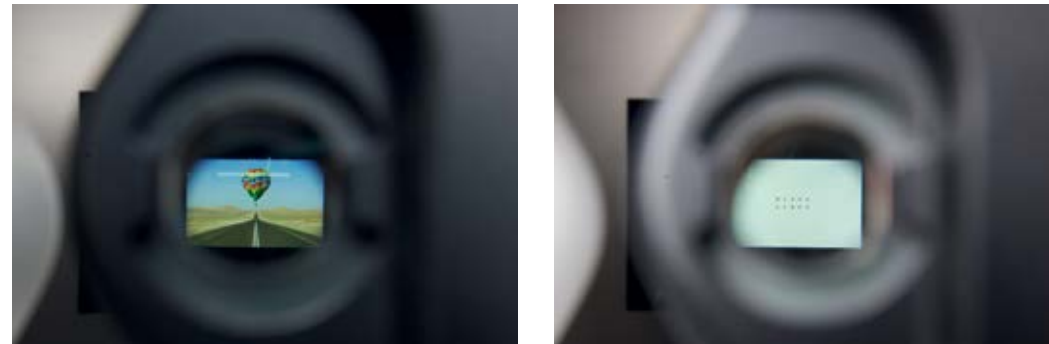
1 | The VISUCORE 500 by ZEISS Combined Refraction Unit, consists of a ZEISS VISUCORE 500 Refractor and a ZEISS VISUSCREEN 100 Compact, integrated in a custom ZEISS VISUCORE 500 Table.

2 | compared to a conventional ZEISS set-up with ZEISS i.Profiler^{plus} and ZEISS SRU

The combined refraction unit
VISUCORE® 500 by ZEISS consists of

ZEISS VISUSCREEN 100 Compact

A **digital** chart viewer with internal mirrors vergence control system reduces the length of the refraction lane to 3.3ft compared to a full refraction lane of 16.5ft. It includes a wide variety of commonly used tests for **visual acuity and binocular vision** ancillary tests.



and ZEISS VISUCORE 500 Refractor.



A **state-of-the-art binocular wavefront autorefractor** enabling ZEISS i.Scription lenses. It features open-field simulation, integrated into a **fully-automated digital phoropter** with ZEISS specific optics with red/green separation; and a dual cross-cylinder utilizing a split-prism that enables side-by-side comparison of visual impressions for patients. In addition, it holds a foldable near-vision test screen, with a variable distance and multi-scale ruler.

Objective refraction
for both eyes in

< 40 seconds

An entire refraction unit. That fits into one small space.

Thanks to the **combination of objective and subjective** refraction integrated in an ergonomic, height-adjustable table, ZEISS VISUCORE 500 only has a footprint of under 2.6ft². This **reduces the refraction room footprint dramatically** leaving space for another refraction lane to expand your exam capabilities, or to use valuable space more efficiently.

2 in 1

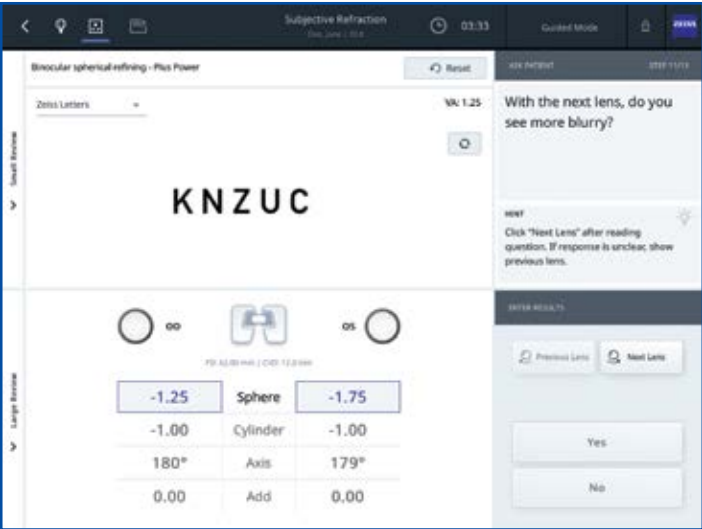
The customer doesn't have to move from the objective to the subjective refraction site.



Standardized process for consistent refraction results.



With ZEISS VISUCORE 500 you can standardize your processes by making use of the workflows provided. It ensures that your staff can **perform precise and reliable refraction** – regardless of the expertise level of the employee conducting the process.



The **new and standardized Guided Mode** takes users through the refraction **process step-by-step** and enables staff with little to no background on eye healthcare to do a refraction in less than 5 minutes on average³.

The comprehensive **workflow mode** (with a predefined set of workflows and individual refraction modes) and **freestyle mode** (for individual steering of the phoropter and selection of charts) enable a subjective refraction for the same tests as a standard phoropter.



3| ZEISS Vision Science Lab/Uni Tübingen and CZV study with 33 subjects and 6 examiners, Time needed for objective and subjective refraction by inexperienced examiners with guided mode on average 4:49 minutes, November 2022

More effective without losing quality focus.

ZEISS VISUCORE 500 enables you and your team to offer accurate refraction results (VA 20/20) with different user modes – all while you will be able to:

Reduce chair time
for refraction by

46 %

compared to conventional
ZEISS set-up⁴

Do objective and
subjective refraction in

< 4:30

minutes⁵

This leaves you with more flexible use of staff hours and frees up valuable time for customer consultations.

4| ZEISS Vision Science Lab/Uni Tübingen and CZV study with 33 subjects and 6 examiners. Time needed for objective and subjective refraction by expert examiners with guided mode on average 4:13 minutes compared to 7:54 minutes with ZEISS i.Profiler^{plus} and ZEISS SRU, November 2022

5| ZEISS Vision Science Lab/Uni Tübingen and CZV study with 33 subjects and 6 examiners. Time needed for objective and subjective refraction with guided mode on average 4:28 minutes, November 2022

Ready for i.Scription[®] technology by ZEISS



ZEISS VISUCORE 500 enables you to perform a quick and accurate analysis of your patients’ eyes. And with ZEISS i.Scription lenses, you can offer each customer a bespoke lens solution to improve their vision, day and night⁶.

Your benefits

- Fine-tunes the refraction to 1/100th of a diopter.
- You can offer an individualized solution for each customer.
- Provide the best prescription possible to your customers to give them improved vision.
- Grow your business and increase revenue.

Your patients’ benefits

- The very best ZEISS technology for better eye care
- Better vision, day and night
- Higher resolution, higher contrast and more vivid colors.
- Reduced glare

6| Kevin Reeder, OD, Earl Sandler, OD, Joel Cook, OD, and Lynette Potgieter, B. Optom (RSA) – The Carmel Mountain Study (Orange County, California), double blind test on preference between ZEISS i.Scription Lenses and comparable ZEISS free-form test lenses (n=37), 2016.



ZEISS VISUCORE 500 at a glance



Easy consultation process. ZEISS VISUCONSULT 500

ZEISS VISUCORE 500 can be seamlessly integrated into the ZEISS ecosystem. It is operated from an iPad® or PC running the ZEISS VISUCONSULT 500 app. There's no need for manual data transfers. ZEISS VISUCONSULT 500 is the "brain" of your practice ecosystem which manages the patient journey from end to end. By connecting your ZEISS devices, it makes your consultation process simple, fast and pleasant for your patient and for you, leaving you with more time for face-to-face communication.



- 1| ZEISS VISULENS 550 ⁶
- 2| ZEISS VISUPLAN 500 ⁷ / ZEISS VISUSCOUT 100 ⁸
- 3| ZEISS i.Profiler *plus* ⁹
- 4| ZEISS VISUPHOR 500 ¹⁰ / VISUSCREEN 100/500 ¹¹
ZEISS Slit Lamps ¹⁻² / **ZEISS VISUCORE 500** ¹⁵⁻¹⁷
- 5| ZEISS VISUFIT 1000 ³⁻⁴ /
ZEISS i.Terminal 2 ¹²⁻¹³ / ZEISS i.Terminal mobile ¹⁴
- 6| ZEISS VISUSTORE ¹⁸



As an eyecare professional, you can benefit from using ZEISS VISUCORE 500 in your practice in many ways:

- Offer the latest ZEISS technology without expanding your practice. Optimize the usage of available space thanks to the small footprint and all-in-one shape.
- Simplify your refraction process with a seamless objective and subjective refraction process and enhanced connectivity.
- Get consistent and accurate results with guided and expert mode – easy to use for any staff member.
- Increase capacity and save time for sales and customer consultation.

Your customers will also walk away satisfied, and you can create loyalty by offering them:

- A positive refraction experience that only takes up a short period of time.
- Supports peace of mind, since they feel you are taking care of their eyes and vision.
- A comfortable experience thanks to the ergonomic design and streamlined refraction process.

Footnote	Product ZEISS Medical Devices		
1	ZEISS Slit Lamps	CZM	CZV
2	SL Imaging Solution	CZM	CZV
3	VISUFIT 1000 Platform	CZV	
4	VISUFIT 1000*	CZV	
5	VISUCONSULT 500	CZV	
6	VISULENS 550	CZM	CZV
7	VISUPLAN 500*	CZM	CZV
8	VISUSCOUT 100**	OO	CZV
9	i.Profiler plus*	CZV	
10	VISUPHOR 500	CZM	CZV
11	VISUSCREEN 100/500	CZV	
12	i.Terminal 2*	CZV	
13	i.Terminal 2 Station	CZV	
14	i.Terminal mobile*	CZV	
15	VISUCORE 500 Refractor***	CZV	
16	VISUSCREEN 100 Compact	CZV	
17	VISUCORE 500 Table	CXE	CZV

Footnote	Product ZEISS non-Medical Devices		
18	ZEISS VISUSTORE	CZV	






CZV:
CZV Carl Zeiss Vision GmbH
 1040 Worldwide Blvd
 Hebron, KY 41048
 USA
www.zeiss.com/lenses

CZM:
Carl Zeiss Meditec AG
 5300 Central Parkway
 Dublin, CA 94568
 USA
www.zeiss.com/meditec/us

OO:
Optomed Oyi
 Yrttipellontie 1
 FI-90230 Oulu
 Finland

CXE:
CX ENGINEERING sp.zo.o.
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 32-083 Balice
 Poland

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