



PR Fact Sheet

ZEISS VISUCORE 500 at a Glance

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| What is ZEISS VISUCORE 500? | <p>ZEISS VISUCORE 500 is a highly precise, automated, combined and thus space-saving objective-subjective refraction unit.</p> <p>Thanks to smart control modes and user-friendly operation, the system makes refraction faster and easier and it can be operated by all employees – regardless of their level of training and experience.</p> |
| How much space does the system require? | <p>The ZEISS VISUCORE 500 unit occupies an area of only eight square feet, respectively 0.8 square meters.</p> |
| What are the component parts of ZEISS VISUCORE 500? | <p>ZEISS VISUCORE 500 consists of ZEISS VISUSCREEN 100 Compact and ZEISS VISUCORE 500 Refractor. An ergonomic table is also an integral part of the entire system.</p> <p>The ZEISS VISUSCREEN 100 Compact vision testing unit contains various digital optotype charts (to test visual acuity and binocular vision). A distance of five meters is simulated in a distance of a mere one meter.</p> <p>The ZEISS VISUCORE 500 Refractor combines a binocular wavefront autorefractor, which enables ZEISS i.Scription, a keratometer for central corneal values and a digital phoropter with ZEISS-developed workflows (as well as red-green separation for binocular vision tests). Thanks to the integrated dual cross-cylinder lenses, both helical positions can be seen simultaneously during cylinder determination. This makes comparability easier for consumers as they do not have to remember any visual impression.</p> <p>A digital vision chart for testing near vision is also integrated – with a setting functionality for the appropriate distance of 25 to 70 cm placed directly on the device.</p> <p>ZEISS VISUCORE 500 operation is seamlessly integrated into the ZEISS VISUCONSULT 500 app.</p> |



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| How can subjective refraction be correct in such a small space? | The mirrors built into ZEISS VISUSCREEN 100 Compact and a special lens make it possible to simulate the optically necessary distance of five meters. |
| What control modes are integrated into the software? | Three modes are available – with 1 and 2 being familiar to most eye care professionals from previous ZEISS refraction applications: <ol style="list-style-type: none">1) Workflow Mode: This comes with a predefined set of workflows and individual refraction modes can be saved here. Settings on the instrument are made automatically – depending on your selection of a test you previously saved.2) Freestyle Mode: This professional mode is used in special situations. All available charts can be selected individually. Any element of the phoropter can be steered individually.3) The new Guided Mode: This enables objective and subjective refraction to be done even by relatively inexperienced personnel. The software guides the user in detail through the entire process; provides specific instructions on how to interact with the person undergoing testing; and indicates questions that need to be asked; as well as the corresponding answers and the action to be taken as a result of the answers. |
| Where is ZEISS VISUCORE 500 available? | ZEISS VISUCORE 500 is available on the US market since spring 2023. Availability will be gradually extended to other markets in the near future. |

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