Automated Subjective Refraction 
VISUSCREEN 500 & VISUPHOR® 500 from ZEISS

Provide your patients with a vision testing experience that exceeds their expectations

Combine ZEISS refraction instruments to perform an examination room experience that delivers highly precise results your patient can trust. With the ZEISS subjective refraction unit you can create a stress-free environment and save chair time at the same time.

As an eye care professional, your patients expect you to provide them with the best vision based on accurate refraction. However, this process demands a high level of trust and can lead to uncertainty in the prescription. Supported by advanced vision testing technology by ZEISS, you can transform the refraction process into an event, removing doubts and turning a stressful situation into a pleasant patient experience.

Therefore, start your subjective refraction by transferring the prescription generated by the ZEISS i.Profiler® to the ZEISS VISUPHOR® 500, providing smooth vision testing. Utilise the convincing benefits offered by lenses with ZEISS i.Scription technology, provided by the subjective refraction unit and guide your patient to new lenses and better vision right in the examination room.

Modern and precise ZEISS vision testing at its best in one unit

With the brand-new subjective refraction unit by ZEISS, eye examination becomes an interesting and at the same time comprehensive experience of vision improvement for the patient by combining the central elements, vision testing charts and phoropter, in a smart solution.

ZEISS VISUSCREEN 500 with Polatest technology comes with a variety of vision tests to perform monocular and binocular testing with different test charts, as well as special tests for children. Demonstrate the effect of the lenses with ZEISS i.Scription technology using the integrated LED. In addition to the IR-remote control the ZEISS VISUSCREEN 500 can be operated via an intuitive iPad application for a fast and easy way to switch between test charts.
Personal workflows allow the compilation of different test chart sequences based on the individual preferences of various examiners. ZEISS VISUSCREEN 500 can be easily combined and upgraded with ZEISS VISUPHOR 500, a digital phoropter to streamline your examination workflow and create a professional impression for your patient.

The full integration into ZEISS i.Com mobile closes the loop between your devices by transmitting your patient’s measurements from the ZEISS VISULENS 500 or ZEISS i.Profiler® plus / ZEISS VISUREF 100 directly to your subjective refraction unit, providing a straightforward and quick way to initiate your manifest refraction.

**Facts at a Glance**

- The VISUSCREEN 500 even fits into small examination rooms with a distance of 2 m in indirect use, and the size of optotypes adjusts automatically to the distance.
- State-of-the-art, timeless design, easy to place in any practice
- Randomise testing on a Crystal clear LCD screen with polarised technology
- Integrated LED as additional test feature for the Maddox test and ZEISS i.Scription technology demonstration
- Fast and smooth exchange of inspection lenses allows real time demonstration of final prescription and vision improvement
- The Subjective Refraction Unit can be linked to ZEISS VISULENS 500, ZEISS VISUREF 100 and ZEISS i.Profiler plus for direct data transfer via ZEISS i.Com mobile

**Related Products**

Stereo triangle test to test stereopsis

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**Stereo Triangle Test**

A stereo triangle test is a simple yet effective method to assess stereo vision, which is the ability to perceive depth and spatial relationships. This test is critical for diagnosing and managing conditions that affect binocular vision, such as strabismus and amblyopia. By assessing stereo vision, clinicians can better understand the patient's visual capabilities and tailor their treatment plans accordingly.

**Reasons for Testing Stereopsis**

1. **Screenings**: Used to identify potential issues before more invasive tests are necessary.
2. **Follow-Up**: Monitoring the progression or resolution of vision issues.
3. **Education**: Teaching patients about their visual abilities and the importance of maintaining their vision.

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**Conclusion**

The ZEISS VISUSCREEN 500, combined with ZEISS VISUPHOR 500, provides a streamlined examination workflow and a professional impression for your patient. The full integration with ZEISS i.Com mobile ensures seamless data transfer, making manifest refraction quicker and more efficient. Additionally, the inclusion of stereo vision testing is crucial for comprehensive visual assessment, allowing for tailored treatment plans and better patient outcomes.
ZEISS is one of the world’s leading manufacturers of eyeglass lenses, and is committed to delivering maximum precision and comfort. ZEISS designs and produces lenses, instruments and measurement systems, as well as retail concepts and technology services that continue to raise the bar in vision care.

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