Fact Sheet

ZEISS VISUFIT 1000

What is ZEISS VISUFIT 1000?	First, ZEISS VISUFIT 1000 is a system for digital 3D centration data determination and consultation. Second, it is a platform that further digitalizes the entire centration and frame selection process, because in the future the detailed measurement data can be used for virtual try-on and individualized frames. ZEISS VISUFIT 1000 comprises the measurement system and the accompanying software for performing centration. The software is also a platform that will accommodate the future digital modules. ZEISS VISUFIT 1000 can be used for all frames.
How does ZEISS VISUFIT 1000 work?	The eye care professional positions the consumer, who is wearing the selected frame, in front of ZEISS VISUFIT 1000 at a distance of 30 - 35 cm. The measurement is performed without an additional calibration clip. A 180-degree view of the consumer's face is captured with a single shot using nine cameras. The measurement data are processed using 45 million points, and the centration data are then exported to ZEISS VISUCONSULT 500, meaning ZEISS VISUFIT 1000 is completely integrated into the existing ZEISS applications for eye care professionals. Vergence is controlled with a fixation target for comfortable vision, guaranteeing that precise centration is also possible at a short distance between the consumer and the centration system.
How does the eye care professional benefit most from ZEISS VISUFIT 1000?	Today the greatest benefit (not only for the eye care professional, but also for their costumers) is that measuring centration data is convenient, extremely precise and the entire process based on 3D coordinates can be reliably performed with only a single shot using nine cameras. The consumer, in turn, is impressed by this professional, cutting-edge approach to centration. Using digital 3D facial reconstruction, the eye care professional has the benefit of performing a precise centration process they are already familiar with – even when the consumer wears frames featuring very thick temples, since these can be edited out digitally. With ZEISS VISUFIT 1000, the eye care professional also has a system that will support future digital developments in optics related to customized frames and trying on glasses virtually. This platform even offers more than just centration data determination, because the level of detail from the measurement makes additional digital functions possible.
How does the consumer benefit from ZEISS VISUFIT 1000?	Capturing the measurement data quickly and digitally is also advantageous for consumers, who are impressed by the professional results. Moreover, after they have tried on the different frames, consumers can examine and compare these digitally and from all sides. This approach is particularly beneficial for extremely ametropic consumers, who otherwise have problems seeing themselves with their new frames when looking in the mirror. ZEISS VISUFIT 1000 provides consumers with new, detailed information that can simplify their purchasing decision.
Where is ZEISS VISUFIT 1000 available?	The system will be available in Central Europe starting in spring 2018 and will then gradually be rolled out globally.
Technical Data	- 45 million points for highest precision - Complete data capture with just one shot - The pupil, cornea and the frame are captured automatically - 180-degree view of the consumer's face - Measurement without a calibration clip - Minimum and maximum eye height: 1.1 to 1.95 meters - Distance: 30 - 35 cm