Learn More About the Equipment We Use

Zeiss Cirrus 5000 OCT (ocular coherence tomographer):
https://www.zeiss.com/meditec/us/c/advancing-smart-oct-cirrus-5005000.html
This device allows us to measure portions of the back of the eye in microns which is small than we can see with any of our other equipment. It is regularly used for patients who have diabetic retinopathy, glaucoma and macular degeneration.

Eidon fundus camera: https://www.icare-world.com/us/product/icare-eidon-af/
Demo video from company: https://www.youtube.com/watch?v=GGuToxo8ujM
This machine allows us to capture an image of any abnormal or unusual findings inside of a patients eyes.

Huvitz HLM-9000 Auto Lensmeter: https://wwwcoburnakamai.azureedge.net/wp-content/uploads/2015/07/HLM-9000.pdf
This device allows us to measure the prescription directly from a patient's glasses. One special feature it has is the Blue Light Hazard Measurement, which allows us to test a patient's glasses to determine how much blue light is transmitted through their lenses.

Huvitz HRK 9000A Auto Ref/Keratometer: https://wwwcoburnakamai.azureedge.net/wp-content/uploads/2015/07/HRK-9000.pdf
This machine uses light to get an approximate measurement of a patient's glasses correction. It uses Bluetooth to send the information into the exam room equipment automatically.

Welch Allyn Spot vision screener: https://www.hillrom.com/content/dam/hillrom-aem/us/en/marketing/products/spot-vision-screener/documents/US-FLC158-230047-EN-V1_SVS-Pediatric-Vision-Screening_Brochure-LR.pdf
This device allows us to quickly screen children as young as 6 months old. Many children have difficulty sitting still through an entire exam and this device allows us another way to verify information about a child's prescription that is quick, easy and fun!

Reichert VRx digital phoropter: https://www.reichert.com/en/products/phoroptor-vrx
This machine allows us to check your glasses prescription. It is much faster than the original manual phoropter (the 1 or 2 machine) and communicates via Bluetooth with other devices and the computers within the office.

LKC RETeval: https://www.reichert.com/en/products/phoroptor-vrx
This device allows us to measure retinal, cortical and nerve function quickly with small sensors that are placed on the skin and scalp. Previously patients would have to be referred to University of Washington for this testing which we now offer in-office. One special feature of this device is the diabetic retinopathy assessment which gives each patient a score and helps us determine their risk of vision loss from diabetes.

Eyefficient Fire Slit Lamp: https://www.eyefficient.com/imaging-systems/firefly-imaging-system
This eye microscope is used by the doctor during every exam to evaluate the health of the eye. It has a built in camera which allows us to take pictures and video of anything we see that we want to be able to monitor over time.

Keeler Vantage Plus BIO (binocular indirect ophthalmoscope):
https://www.keelerusa.com/pub/media/productattachments/files/b/r/bro-vantage_plus-mdr-all-en-0621-rev_b_1.pdf
Your doctor will wear this instrument on their head to evaluate the retina after your eyes have been dilated.

Eye-ruler 2: https://d9uftyu80252g.cloudfront.net/wp-content/uploads/2024/03/eye-ruler2-Brochure-Device-Standard-EN-V1-Jan2024_LR.pdf
This device allows us to take measurements for the proper fitting of your glasses and will allow you to compare the look of multiple pairs of glasses.