

# The Amazing Technology Behind Autorefractors

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EINPresswire.com/ -- For many people, a trip to the eye doctor stirs up images of reciting lines of letters and numbers on a chart that gets increasingly more impossible to read the farther down you look. Pressing your face against a

giant machine with an eye doctor standing next to it, rotating in new lenses every few seconds before saying, "How about now?" But now, an amazing machine is changing all that. Meet the [Autorefractor](#).



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You can find a wide range of autorefractors, as well as a litany of other medical devices, at <http://www.sarahmedic.com> , which offers the best prices on state-of-the-art medical devices.”

*Sarah medic*

[Autorefractors](#) provide quick accurate results.

What's an Autorefractor?

Autorefractors are in-office machines that allow eye doctors to automatically determine the exact lens prescription for a patient once an examination has determined that their vision requires correction. This amazing machine can pinpoint exactly how much refraction, or correction, the eyes need, taking the guesswork out of the doctor's determination of what level contact lenses or glasses the patient requires. It does not require a lot of training to become acclimated with

autorefractors, and the procedure is not at all painful or invasive for the patient.

What it Does

Taking only a few moments to calculate measurements for each individual eye, autorefractors

are extremely reliable. They may be used in tandem with a [phoropter](#), which is a machine that changes lenses in front of your field of vision to help determine which exact lens is right for you.

### How it Works

Autorefractors are generally large, table-top machines that you or your patient sit in front of during the examination. Usually, there is a dock to rest your chin to provide stabilization for the machine and comfort for the patient. While looking into the machine, the patient is asked to focus on a point of light, a shape or design. Autorefractors work by adjusting your retina - the part of your eye that is sensitive to light - to line up with your focus point, which allows the eye to correctly process sight.

### Why Autorefractors?

Aside from the pinpoint accuracy provided by the machines, autorefractors dramatically shorten the time of diagnosis. This is especially helpful for children, the elderly or people with disabilities, who may have difficulties remaining still for longer periods of time, or who may find it hard to articulate responses to traditional eye exams.

Autorefractors take the guesswork out of prescribing corrective lenses.

Autorefractors are revolutionizing the way doctors examine eyes. The miraculous machines are tremendously faster and more accurate than previous methods, which required a significant amount of time and a certain degree of speculation by an eye doctor. With autorefractors, the exact amount of correction is determined with pinpoint accuracy for each patient, leading to the right prescription every time.

You can find a wide range of autorefractors, as well as a litany of other medical devices, at <http://www.sarahmedic.com>, which offers the best prices on state-of-the-art medical devices.

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