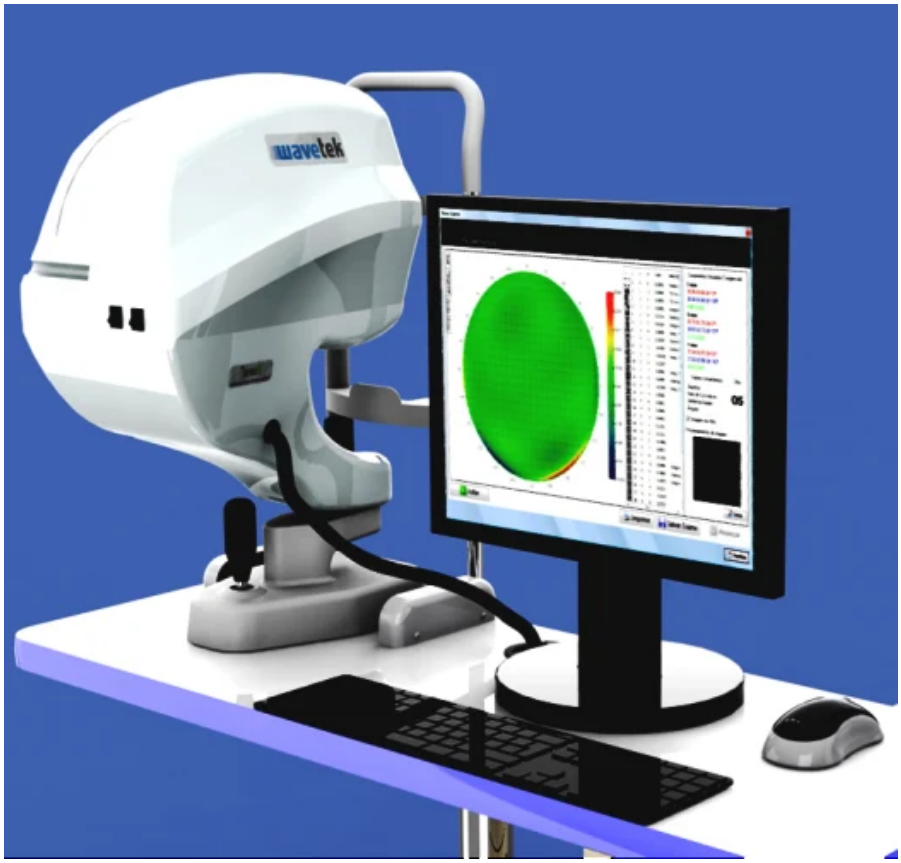
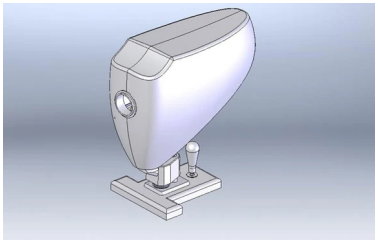
Wavefront

Ocular wavefront analysis

EVOptica





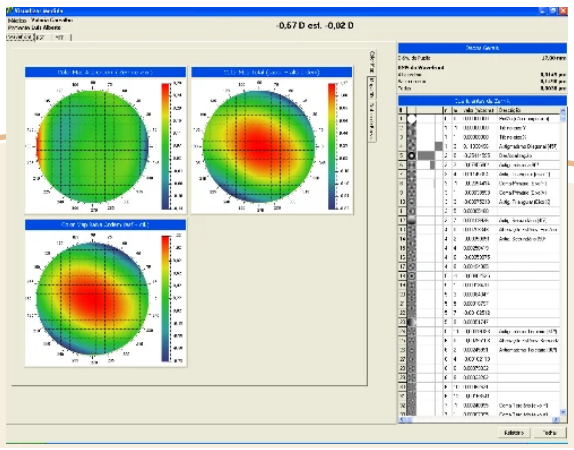


Historical prototype: in-vivo testing and regulatory review were underway in Brazil and internationally; commercialization and export were planned. US clearance is now in progress. Earlier products held South American clearances.

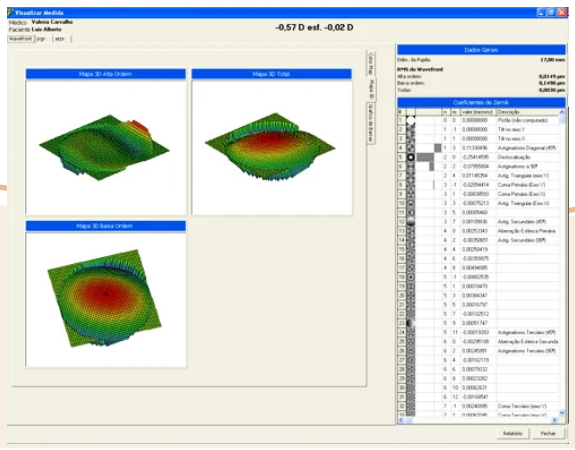
Wavefront - Ocular Aberrometry

In 2006, the original manufacturer received FAPESP PIPE support to develop a Brazilian wavefront aberrometer. The project progressed to a working prototype described by the source as efficient and precise.

Wavefront was one of the development team's most ambitious projects, addressing the optical quality of the human eye with complex ophthalmic instrumentation. The source describes a patented development effort in Latin America. Its original first/only and superlative claims are presented here as project provenance rather than independently established market comparisons.



Software screen - Multiple wavefront maps showing different wavefront patterns.



Software screen - Zernike coefficients and three-dimensional maps, with options for viewing both lower-order and higher-order aberrations.

EVOptica | evoptica.com | contact@evoptica.com

+1-315-210-8976 (call/text) | 221 S Main St, Fairport, NY 14450, USA