



The World Leader in Corneal Cross-linking Science

Avedro Inc. is an ophthalmic medical device and pharmaceutical company developing therapies for the treatment of refractive disorders. These therapies are based on the science of corneal biomechanics for therapeutic medical applications and accelerated cross-linking.

History More than two decades ago, as the founder and CEO of Summit Technology, David Muller, PhD, pioneered the use of excimer lasers for performing today's laser vision correction surgery. Summit Technology became the worldwide leader in development and sales of excimer lasers for refractive correction and was acquired by Alcon for more \$948 million. In 2007 Dr. Muller founded Avedro to continue developing advanced technologies for ophthalmic applications and many of Avedro's senior management team that worked with him to introduce excimer lasers are now working with him to redefine refractive correction and corneal cross-linking.

Innovation *Vedera®System* - In April 2010, Avedro received CE Mark and began commercialization of its Vedera System to perform Keraflex®, Avedro's patented and proprietary, non-invasive refractive correction procedure that gently reshapes and flattens the cornea. Keraflex is the first refractive correction procedure to preserve the cornea's biomechanical integrity.

KXL™ System - In November 2010, Avedro received CE Mark and began commercialization of its KXL System for accelerated cross-linking. When used to treat keratoconus, the KXL System's speed and accuracy reduce procedure times and provide superior outcomes. The speed and accuracy of the KXL System has also allowed Avedro to expand the use of cross-linking into Lasik with its Lasik Xtra™ procedure. Lasik Xtra is seamlessly integrated into a standard Lasik procedure to restore the biomechanical integrity of the cornea following flap creation and excimer ablation.

Excellence The Vedera System for performing Keraflex received the prestigious Gold level Medical Design Excellence Award for 2011, highlighting the excellence of Avedro's team of scientists, engineers, software programmers and manufacturing technicians.



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The KXL™ System for Performing Accelerated Cross-linking is not available for sale in the US.

KXL™ Specifications

CE Mark - Yes

UV-A Wavelength - 365 nm

Power Output - 3 mW/cm² to 45 mW/cm²

Beam Diameter - 9 mm

Other Features:

Touch screen monitor

Wireless remote control in the

x, y, and z axis

Battery or wall power

For Corneal Stability & Procedure Speed

“The new KXL System offers a more homogeneous beam and an adjustable energy level to allow superior outcomes. It also reduces procedure time providing an easier patient experience.”

Raymond Stein, MD, FRCSC, Medical Director, Bochner Eye Institute

The Bochner Eye Institute in Toronto has performed more keratoconus cross-linking procedures than any other center in North America.

For Corneal Strengthening

“We are extremely pleased with the KXL System and with the Lasik Xtra procedure. Lasik Xtra now makes it possible for Shinagawa LASIK Center to provide enhanced treatments to our current Lasik patients.”

Minoru Tomita, M.D., PhD, Executive Director, Shinagawa LASIK Center

The Shinagawa LASIK Center in Tokyo has performed more Lasik surgeries than any other center in the world.

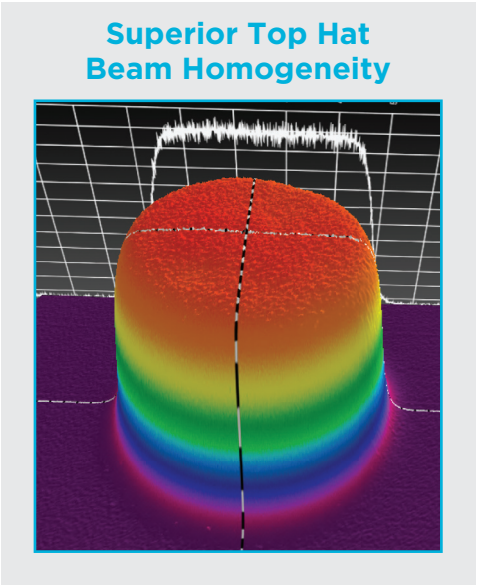
The KXL System

Avedro’s experienced team of scientists, engineers, software programmers and manufacturing technicians have created today’s most advanced cross-linking device in the KXL System. Highest power output, best beam homogeneity, precision focusing, unparalleled programmability, and superior overall design make the KXL system the only choice for advanced cross-linking.

45 mW/cm² Power for Shortest Procedure Times

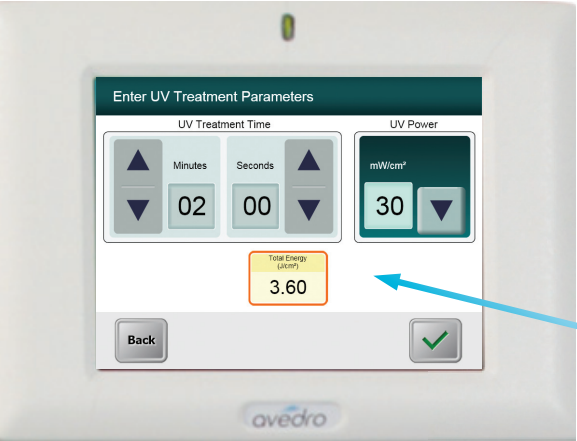
Avedro’s KXL System can deliver unprecedented power of up to 45 mW/cm². The higher power available with the KXL System reduces procedure times to just a few minutes, which:

- Increases patient **safety**
- Increases patient **comfort**
- Improves practice **efficiency**



TRANS-EPITHELIAL CROSS-LINKING

During trans-epithelial cross-linking (Epi-on), intact epithelium is soaked in riboflavin and absorbs up to 1/3 of the available UVA energy. Therefore, with lower UVA power devices, Illumination times of up to 45 minutes are required. The 45 mW/cm² UVA power available with Avedro’s KXL System allows for illumination times of only a few minutes even when performing trans-epithelial (Epi-on) cross-linking.

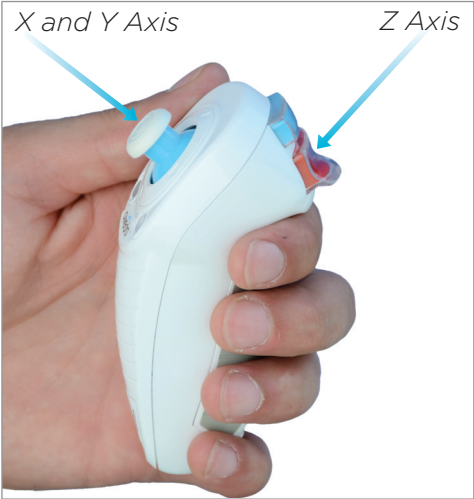


Touch Screen Monitor for Procedure Programming and Device Operation



Effortless and Stable Beam Positioning

Wireless Control for Fine Beam Alignment and Focusing



Rechargeable Battery for Cordless Operation