Your portable solution for corneal cross-linking

UV-X™ 2000

UV-X™ 2000 specifications	
Art. No.	2000-0000-00
Wavelength	365 nm ± 10 nm
Average intensity	9.0 mW/cm²
Energy dose	5.4 J/cm²
Light emission	continuous wave (cw)
Working distance	45 mm
Illumination diameter	S = 7.5 mm, M = 9.5 mm
Electrical power	100 V – 240 V
Patient positioning	placed on bed
Dimensions	33 x 5 x 5 cm
System weight	total: 6.5 kg, light source: 0.6 kg
Timer	10 min
Intensity check	UV light meter delivered with UV-X™ system, battery operated +9 V

Safety

- Redundant UV-safety check
- No statistical difference in endothelial cell count or apoptosis for an illumination intensity of 9 mW/cm²

Competence

- Developed by the inventors of cross-linking
- Supported by a team of doctors and scientist
- More than 10 years of experience in the field of corneal cross-linking

Experience

- Approved and registered by the health authorities in many countries
- Largest global user base
- Largest clinical data sets

SWISS MADE

CE 1275 Device is not for sale in the USA.

For further information about the UV-X™ 2000 illumination system or corneal cross-linking, please contact us.

Your distributor

Your manufacturer
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IROC INNOCROSS

UV-X™ 2000

Unique second generation beam profile resulting in greater corneal flattening

IROC INNOCROSS

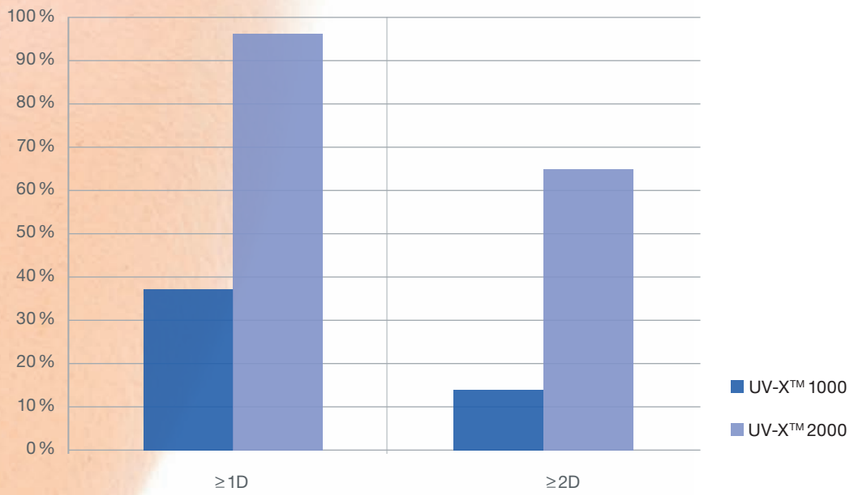
Corneal cross-linking (CXL) is a well-established curative approach to reincrease the mechanical stability of corneal tissue that is progressively weakening as a result of a corneal disease such as keratoconus or pellucid marginal degeneration.

CXL creates additional chemical bonds inside the weakened corneal stroma by means of highly localized photopolymerization. Consequently, the biomechanical stability of the tissue is reincreased and corneal transplantation can be avoided.

Innovation from the inventors of corneal cross-linking

Reduced illumination time from 30 to 10 minutes by increasing the illumination intensity to 9mW/cm²

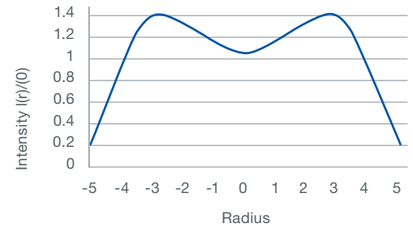
All patients who completed the 12 month visit (n=52) showed flattening of more than 1 D.



presented by Prof. Theo Seiler, MD, PhD, 13th of September 2013, St. Johns Collage, Cambridge, UK

Unique second generation beam profile

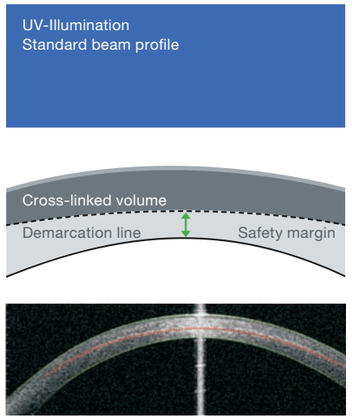
The IROC Innocross UV-X™ 2000 device is the first CXL illumination device which features an optimized beam profile to maximize the cross-linking volume. It was designed with a special focus on safety, effectiveness and treatment time of the procedure, embodying the cutting-edge knowledge in the field of corneal cross-linking.



More corneal tissue is cross-linked

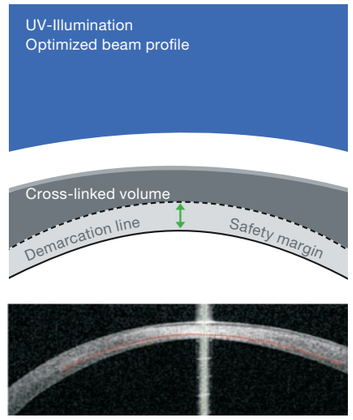
The optimized beam profile of the IROC Innocross UV-X™ 2000 device increases the cross-linking depth in the periphery, and thus the volume which is cross-linked.

Standard beam profile



The demarcation line, visible in OCT imaging, shows the depth of the cross-linking effect. When using a device with a homogeneous beam profile like in a standard cross-linking device, the demarcation line lies parallel to the anterior corneal surface.

UV-X™ 2000



When using UV-X™ 2000 with the optimized beam profile, the demarcation line lies parallel to the posterior corneal surface.

We believe that increasing the light intensity in the periphery, will improve patient outcomes.

IROC INNOCROSS