

CXL SYSTEM



The new Corneal Cross Linking (CXL) System
by TAD - the developer and manufacturer of the first commercially
marketed CXL System

- For therapy of
- Keratoconus
 - Ectasia after Lasik
 - infectious Keratitis

Corneal Cross Linking (CXL) System



TAD
medical systems

The new Corneal Cross Linking (CXL) System by TAD

Uncomplicated in the usage, the TAD CXL makes for safe treatment of Keratoconus through collagen crosslinking using Riboflavin and UVA exposure (Wave length 365 nm)

Preselection for continuous illumination intensity from 3 mW/cm² up to 30 mW/cm²

Automatic calculation and time adjustment with full energy, 5400 mJ, enables exact adherence to the „Dresdner Protokoll“.

Appropriate treatment time is between

- 30 Minutes (using illumination intensity 3 mW/cm²)
- 3 Minutes (using illumination intensity 30 mW/cm²)

Lasik Mode

Setting the illumination energy to half (2700 mJ) reduces the treatment time to between

- 15 Minutes (using illumination intensity 3 mW/cm²)
- 90 Seconds (using illumination intensity 30 mW/cm²)

Treatment modes

- Continuous, Interval and Pulsed radiation (adjustable pause, a signal tone indicates if a renewed application of Riboflavin solution is needed)

Power monitor

- Integrated, continuously monitored, power setting

Beam size diameter

- Spot diameter for treatment from 3 mm up to 16 mm

Aim beam

- Focus enabled using 3 green LEDs
- Red LED fixation point



Technical Data

Wavelength: 365 nm

Light emission intensity: gradual adjustment from 3 – 30 mW/cm²

Working distance: 50 mm ± 5 mm

Treatment modes: „Continuous“ or „pulsed“ (Pulse duration is adjustable – Signal tone)

Spot size diameter (continuously adjustable aperture):

3 mm – 16 mm

Timer: Automatic time calculation according to the light intensity setting

Electrical power:

100 – 240 V, 50/60 Hz

Parameters are displayed with all relevant information on the screen
Homogenous beam profile across the entire cross-section

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