

EKL

 **WALZ**
www.walz-el.de

When stones cause trouble

Endoscopical
Stone Management
in Urology



Lithotron EL 27 Compact
State-of-the-Art Technology made in Germany
Walz EKL (Electrokinetic Lithotripsy)

Stone Management in Urology

**EKL – a simple and effective method
for endoscopical stone disintegration**



Ready to use: the complete Walz EL 27 Compact

German High Tech in touch with the stone

Walz EKL (electrokinetic lithotripsy) can be used with rigid endoscopes in the ureter (tight ureter stones), urinary bladder and for percutaneous kidney stone fragmentation.

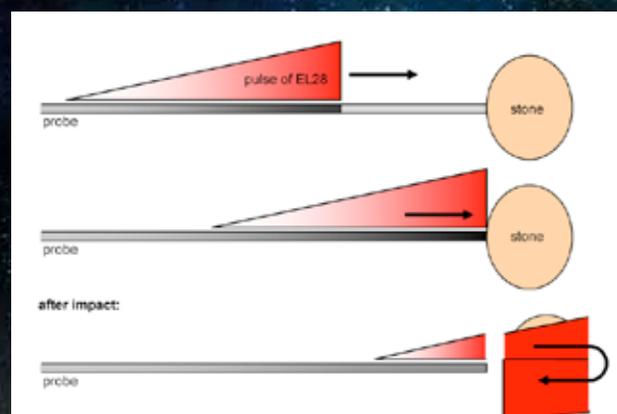
Walz devices represent state-of-the-art technology of the highest quality made in Germany.

The advantage of EKL over pneumatic

- **Safety:** less movement and more speed of tip of the probe for better fragmentation and less repulsion of stones
- **Efficient:** much higher repetition rate of pulses (15 – 30 Hz) for faster stone destruction
- **Precise:** less movement of hand piece
- **Comfortable:** no compressed air necessary only standard electric plug

The technology

Fast kinetic pulses are generated in an electromagnetic field and transmitted to a rigid rod. In the rod steep longitudinal shock pulses are forwarded to the tip. The stone which is in close contact to the tip is effectively fragmented.



Electrokinetic Lithotripsy (EKL)



Lithotron EL 27 Compact

- High stone clearance rate
- Fast stone disintegration
- Highest security for tissue compared to all other lithotripsy methods due to short stroke
- Easy to use
- For flexible endoscopes same device also works for EHL (electrohydraulic lithotripsy)
- Controlled energy levels: three intensities adjusted to usage in urology
- Single and continuous pulses controlled by footswitch
- Dimensions: 320 x 120 x 240 mm; 7,5 kg

Handpiece KA 1000

- EKL handle with exchangeable rods
- Rods are autoclavable / handle can be disinfected
- Rods with four different dimensions available

Description	Diameter Ø		Length
	Fr.	mm	mm
K 2	6	2	450
K 1,6	5	1,6	570
K 1	3	1	570
K 0,8	2,5	0,8	570



WALZ ELEKTRONIK GMBH

- Located in Rohrdorf near Stuttgart / Germany.
- Development, production and service of lithotripsy devices for Urology, Gastroenterology and Industry.
- Pioneers in electrohydraulic lithotripsy (EHL) with an experience of more than 40 years.
- More than 20 property right (patent) applications.
- More than 2.000 devices sold.
- Certifications
 - ISO 13485
 - Appendix II of the directive 93/42/EWG

History

- 1973** Diplom-Ingenieur Volker Walz develops the first EHL device and related probes at the University of Stuttgart.
- 1974** Walz sells the first commercial EHL device.
- 1994** The first combined EHL / EKL (electrokinetic lithotripsy) device enters the market.
- 2012** Bernd Vollmer enters Walz Elektronik GmbH as successor of Volker Walz.
- 2013** Launch of new EHL probes for thin working channels.
- 2018** Development and market entry of a proximal stiffened EHL probe that enables easier insertion into the endoscope.

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