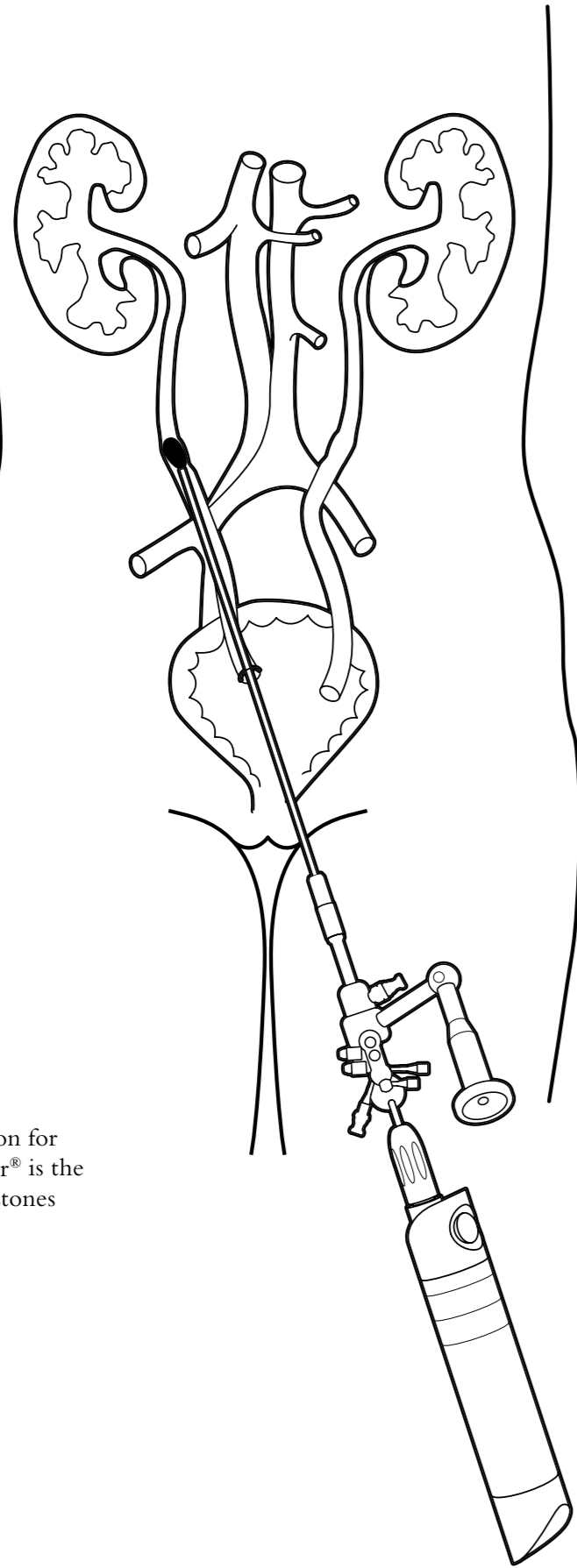


**SWISS LITHOBREAKER®**  
PRIMARY INDICATION



> Primary indication for the Swiss LithoBreaker® is the treatment of ureteric stones

**SWISS LITHOBREAKER®**  
HANDLING



**SWISS LITHOBREAKER® –  
SIMPLE AND SAFE HANDLING –  
NO ONGOING COSTS**

- > Safe insertion of the power pack – sterile and unsterile components separate
- > Sealed system – outer casing sterilized, power pack not sterilized
- > Outer casing can be steam sterilized



**SWISS LITHOBREAKER® SYSTEM AND SYSTEM COMPONENTS**

<b>FT-206W</b>	Swiss LithoBreaker®
<b>EL-441</b>	Power pack
<b>AG-123A/A</b>	End cap
<b>EL-462</b>	Silicone probe guide set (12 ×)
<b>CA-244</b>	AAA rechargeable batteries (4 ×)
<b>EL-475</b>	Probe cap for Ø 0.8–2 mm probes
<b>EK-325</b>	Battery charger
<b>AD-701A</b>	Power pack insertion funnel

**→ INCLUDED SWISS LITHOCLAST® PROBES**

<b>EL-044/A</b>	Pneumatic probe Ø 2.0 × 425 mm (6.0 Fr.)
<b>EL-045/A</b>	Pneumatic probe Ø 1.0 × 605 mm (3.0 Fr.)
<b>EL-046/A</b>	Pneumatic probe Ø 0.8 × 605 mm (2.4 Fr.)
<b>EL-058/A</b>	Pneumatic probe Ø 1.6 × 605 mm (4.8 Fr.)

**→ SWISS LITHOVAC® SUCTION SYSTEM (OPTIONAL)**

<b>EL-182</b>	Swiss LithoVac® 1v3
<b>EL-237</b>	Suction set
<b>EL-219</b>	Adjustment interface
<b>BE-028</b>	Silicone seals (20 ×)
<b>EL-211</b>	Suction probe Ø 4.0 × 355 mm (12.0 Fr.)
<b>EL-212</b>	Suction probe Ø 3.5 × 380 mm (10.5 Fr.)
<b>EL-213</b>	Suction probe Ø 1.6 × 595 mm (4.8 Fr.)
<b>EL-080/A</b>	Length-adapted pn. probe Ø 0.8 × 668 mm (2.4 Fr.)
<b>EL-081/A</b>	Length-adapted pn. probe Ø 1.6 × 453 mm (4.8 Fr.)

**EMS-UROLOGY.COM**

For more information welcome@ems-ch.com

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# SWISS LITHO-BREAKER®

**CORDLESS LITHOTRIPSY  
→ THE HANDY WAY**



**EMS+**

# CORDLESS, PORTABLE, HIGH IMPULSE CAPACITY →

NEW SWISS LITHOBREAKER® –  
A HANDHELD DEVICE WITH THE  
LITHOTRIPSY PERFORMANCE OF  
THE CLASSIC SWISS LITHOCLAST®\*

- ELECTROMECHANICAL DRIVE
- POWERFUL AND EFFICIENT
- CONTINUOUS IMPULSES
- EFFECTIVE TREATMENT
- MEETS HIGHEST STERILIZATION STANDARDS

\* Based on energy output testing performed with 2/3.2 mm probe

> Mobile, stand-alone lithotripsy solution,  
especially developed for the treatment of ureteric  
stones – the vast majority of urinary stones.  
The Swiss LithoBreaker® is fully compatible with  
all common ureteroscopes



**FOCUS ON URETERIC STONES**

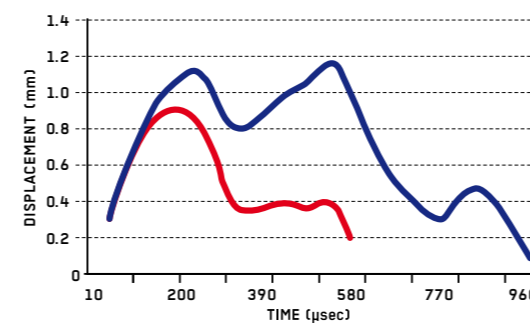
SWISS LITHOBREAKER® WITH INNOVATIVE  
PROBE COUPLING REDUCES PUSH-BACK EFFECT  
AND MINIMIZES STONE MIGRATION



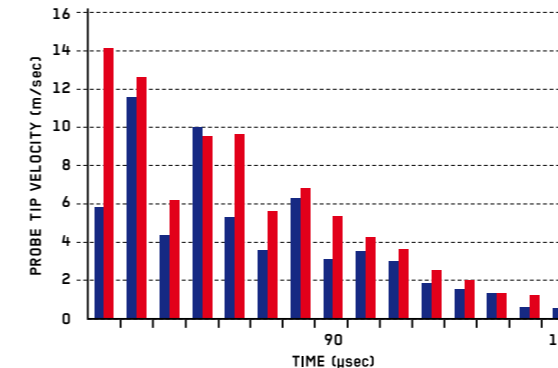
> Reduction of stone migration, increase of  
probe velocity – higher fragmentation performance

SWISS LITHOBREAKER® WITH IMPROVED  
SHOCK TRANSMISSION – A SMART SOLUTION  
FAST AND EFFECTIVE

■ CONVENTIONAL SHOCK TRANSMISSION  
■ LITHOBREAKER SHOCK TRANSMISSION

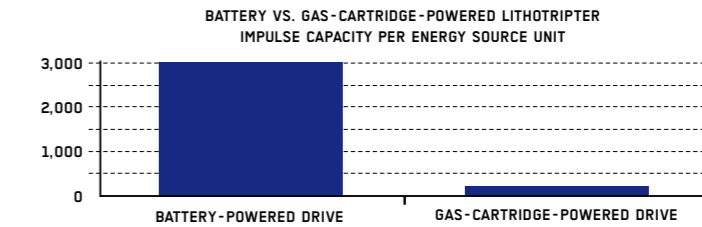


PROBE TIP VELOCITIES CONVENTIONAL  
SHOCK TRANSMISSION VS. SWISS LITHOBREAKER®



- > Stone propulsion by endoscopic lithotripsy – an important issue,  
especially for treatment of mobile ureteric stones
- > Improved impulse transmission of the Swiss LithoBreaker®  
reduces probe displacement – the propulsive effect and stone migration  
are substantially reduced compared to conventional shock transmission

SWISS LITHOBREAKER® WITH CONSISTENT  
POWER OUTPUT – HIGH EFFICIENCY  
FOR CORDLESS, MOBILE LITHOTRIPSY



- > The two different power systems on cordless  
lithotripters do not deliver the same benefits
- > The Swiss LithoBreaker®'s power is based on  
standard batteries which last the distance –  
superior to inconsistent gas cartridges

**ADVANTAGE  
SWISS  
LITHO-  
BREAKER®**

FEATURE	ELECTROMECHANICAL IMPULSE GENERATION	GAS-CARTRIDGE-POWERED IMPULSE GENERATION
OPERATING MODE	Single or continuous impulses at 3 Hz	Only single impulses every two second
IMPULSES PER ENERGY SOURCE CAPACITY	Up to 2,000 impulses	80–100 impulses
IMPULSE ENERGY	Consistent shot-to-shot energy	Energy is highly variable shot to shot and drops with decreasing cartridge pressure
RUNNING COSTS	Nil – rechargeable batteries provided	Gas cartridge not rechargeable – single use

**SWISS LITHOBREAKER®  
→ NEVER RUNS OUT OF GAS**