

ORIGINAL SWISS LITHOCLAST® MASTER TAKEN TO ITS BEST BY THE INVENTOR OF THE SWISS LITHOCLAST® METHOD

- → VARIO ULTRASOUND HANDPIECE
- → ADDED FEATURES WITH NEW SOFTWARE
- → EASIER HANDLING
- → MORE ACCESSORIES

COMBINED ULTRASOUND AND PNEUMATIC LITHOTRIPSY





ALL-IN-ONE LITHOTRIPSY \rightarrow

THE ONE-OF-A-KIND SWISS LITHOCLAST[®] MASTER - A PERFECT COMBINATION OF ULTRASOUND AND PNEUMATIC LITHOTRIPSY FOR MANAGING STONES

- Pneumatic effect for fast coarse fragmentation >
- > Powerful ultrasonic lithotripsy for fine fragmentation and pulverization
- > Simultaneous use of both technologies for multiplied action



- Faster stone clearance less blockage > - Optimized fragment transport through dedicated suction connectors
 - Enhanced ultrasound effectiveness due to optimized transducer design
- > Comfortable and convenient handling thanks to reduced size and weight as well as optimal ergonomics
- > Instantaneous intraoperative switch from combined ultrasound/pneumatic mode to ultrasound only mode
- Long-lasting ultrasound probes thanks to optimized design >





COMPLEMENTARY TECHNOLOGIES



PNEUMATIC HANDPIECE pn3→ INNOVATION IN FUNCTION AND DESIGN

> Reduced probe displacement - less push-back

- greater fragmentation control
- > Optimum operator control thanks to light weight and perfect ergonomics
- Easy reprocessing thanks to sealed system > - no moisture-related handpiece failure
- Easy, fast and sterile probe change due to > quick-connection probe cap
- Extremely durable handpieces and probes > in best material and manufacturing quality

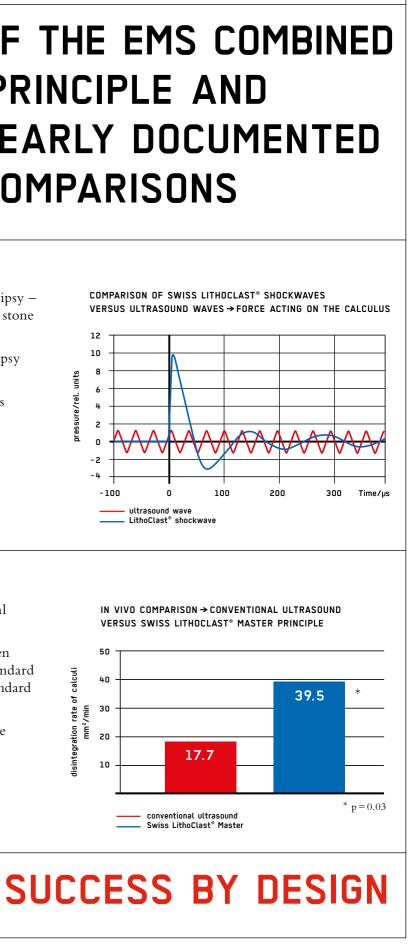
THE BENEFITS OF THE EMS COMBINED LITHOTRIPTER PRINCIPLE AND IMPACT ARE CLEARLY DOCUMENTED IN SCIENTIFIC COMPARISONS

THE PRINCIPLE →

- > Acclaimed and proven ballistic lithotripsy the Swiss LithoClast[®] principle – for coarse stone fragmentation
- > High-performance ultrasound lithotripsy for fine fragmentation and pulverization
- Simultaneous use of both technologies > for enhanced efficacy
- Choice of the most effective method > during treatment

THE IMPACT →

- Most effective method for the removal > of large calculi
- Faster stone removal: clinically proven > four times faster than Swiss LithoClast® Standard and more than twice as fast compared to standard ultrasound lithotripters
- Prevention of stone fragment blockage > in the ultrasound handpiece and probes
- Source: Auge, Pietrow, Preminger et al., World Congress of Endourology (Genova 2002)



SWISS LITHOCLAST[®] MASTER

PATENTED



Accessories by MEDELA > - complete configuration, either disposable or reusable



SWISS LITHOCLAST® MASTER ULTIMATE STONE THERAPY

LITHOCART → Complete setup of Swiss LithoClast® Master, Swiss LithoPump[®], suction accessories and compressor

ULTIMATE STONE THERAPY

SWISS LITHOCLAST[®] MASTER SYSTEMATIC

DEVICES, OPTIONS, ACCESSORIES \rightarrow

DW-030

FR-112

FR-166

DT-059

SWISS LITHOCLAST® MASTER

Swiss LithoClast® Master basic unit incl. dual foot pedal, compressed air connection, pneumatic pn3 handpiece, vario ultrasound handpiece, stone catcher and a selection of Swiss LithoClast® and ultrasound probes FT-128#

VARIO ULTRASOUND HANDPIECE **UPGRADE KIT**

Includes vario ultrasound handpiece, straight and lateral suction connector and software FR-159# processor revision 3

SWISS LITHOPUMP®

Swiss LithoPump® basic unit incl. overflow protection filters, connection set, compressed air connection and exhaust connector kit FT-184#

SWISS LITHOCART

ALL-IN-ONE CART

STERILIZATION TRAY

Sterilization tray 700x120x75mm, autoclavable, for FR-107 and FR-108

STERILIZATION TRAY

Sterilization tray 500 x 200 x 60 mm, autoclavable, for FR-082

STONE CATCHER

Stone catcher sterile (box of ten)

SWISS LITHOCLAST[®] PROBES

Probe Ø 2.0 mm, 425 mm length	EL-044
Probe Ø 1.6 mm, 605 mm length	EL-058
Probe Ø 1 mm, 605 mm length	EL-045
Probe Ø 0.8 mm, 605 mm length	EL-046
Probe Ø 3.2 mm, 425 mm length	EL-092
Probe cap for 3.2 mm probe	AD-425
Flexible probe Ø 0.89 mm, 940 mm length for flexible ureteroscopes	EL-254B
Flexible probe Ø 0.89 mm, 600 mm length for flexible nephroscopes	EL-304B

PNEUMATIC COMBINATION PROBES

Probe Ø 1.0 mm, 570 mm length	EL-220
Combination with FR-083 and FR-084 Probe Ø 1.3 mm, 570 mm length	EL-220
Combination with probe FR-083	EL-255
Probe Ø 1.0 mm, 497 mm length	
Combination with FR-105 and FR-106	EL-276

DW-038 ULTRASOUND PROBES

3
ł
5
5

ULTRASOUND DISPOSABLE PROBES

Probe Ø 3.8 mm, 403 mm length	FR-083/A
Probe Ø 3.3 mm, 403 mm length	FR-084/A
Probe Ø 3.3 mm, 330 mm length	FR-105/A
Probe Ø 3.8 mm, 330 mm length	FR-106/A
Probe Ø 1.5 mm, 573 mm length	FR-102/A
Probe Ø 1.9 mm, 360 mm length	FR-103/A

MILLIONS OF STONES CANNOT BE WRONG

THE SWISS LITHOCLAST® PRINCIPLE IS TODAY'S MOST COMMONLY USED ENDOSCOPIC STONE TREATMENT METHOD - ITS PROVEN SAFETY AND ITS SUCCESS RATES MAKE IT ALSO THE MOST EFFICIENT AND COST-EFFECTIVE MODALITY

BEST RESULTS

FOUR HUNDRED AND TWELVE (412) PUBLISHED STUDIES ON THE SWISS LITHOCLAST® AND PNEUMATIC LITHOTRIPSY PROVIDE AMPLE CLINICAL EVIDENCE ON EFFICIENCY AND SAFETY OF THE SWISS LITHOCLAST® METHOD

HIGH STONE-FREE RATES

> Up to 95% for ureteral stones using pneumatic lithotripsy

> Up to 90% for PNL procedures using combination lithotripsy

HIGH TISSUE SAFETY

> The highest tissue safety of all endoscopic lithotripters

BEST COSTS

A FASTER STONE CLEARANCE WITH THE SWISS LITHOCLAST® RESULTS IN A SHORTER OPERATING TIME FOR COST-EFFECTIVE OR MANAGEMENT

- > Save 28 minutes compared to laser lithotripsy¹
- > OR time costs 62 \$ per minute²
- > Save on average 1,736 \$ per PNL compared to laser lithotripsy

1 Malik, Rizvi et. al, 2007: Comparison of HO-YAG laser and Swiss LithoClast in percutaneous nephrolithotomy

² A. Macario, Stanford University USA, 2010; What does one minute of operating room time cost



FAST FRAGMENTATION AND CLEARANCE TIME

> Combination mode with the Swiss LithoClast[®] Master clears stones twice as fast as ultrasound-alone lithotripters

> Pneumatic lithotripters with the Swiss LithoClast[®] fragments stones on average faster than Holmium laser



GENERA



"I FEEL GOOD"

WWW.EMS-UROLOGY.COM

EMS

ELECTRO MEDICAL SYSTEMS SA Chemin de la Vuarpillière 31 CH-1260 Nyon

Tel. +41 22 99 44 700 Fax +41 22 99 44 701 welcome@ems-ch.com