

MULTIMED EM	
Energy Source	Electro-Magnetic System
Focusing	Acoustic lens
Patient Coupling	Membrane (Dry coupling)
Localization	Fluoroscopy and/or Ultrasound
Focal Distance	130 mm. (Optional upto 160 mm)
Focal Dimension	7 x 66 mm. (50 % isobar dim.)
Focal Pressure	up to 70 MPa
Operating Voltage	Max. 12 level
Frequency	variable 40 to 150 shocks/min.
Triggering Modes	Automatic, ECG, Respiratory and Manuel (Op.)
Water System	Closed loop circuit with water cushion pressure regulation and 8.5 lt. water capacity with degassing
Height	1200 mm
Length	930 mm
Width	700 mm
Weight	200 kg

UROLOGICAL TABLE	
Height	850 to 1150 mm
Patient Surface Width	600 x 2430 mm
Weight	155 kg
Table Adjustment Limiting	Electronically adjustment in 3-dimensions
Vertical Movements	300 mm
Longitudinal Movements	100 mm (150 mm optional)
Lateral Movements	100 mm (150 mm optional)
Tilting	Lateral & Trendelenburg (Optional)
Lifting Capacity	200 kg

LITHOSCOPE	
Power	3,8 KW (5 KW, 18 KW optional)
Fluoroscopy Voltage	40-110 KVolts (Automatic brightness control)
Fluoroscopy Current	0.2 - 3.5 mA (ABC) two main selection
Image Intensifier	9", 12" optional
X - Ray Tube	0.6-1.8 mm focal spot, (0.3-0.6 mm op.)
Anode Heating Capacity	40KHU, fixed anode tube (Rotating Anode optional)
Camera	High resolution CCD Camera
Monitor	19" BW, 625/50 or 525/60 lines
Height	2010 mm
Length	1380 mm
Width	500 mm
Weight	225 kg

LITHOARM	
Manipulator Type	Revolute type Articulated arm
End effector	Ultrasound Probe holder
Kinematics parameters	7 links, 6 joints and 5 angles
Angle Sensors	Precision resistive angle sensors
Ultrasound Device	Adaptable with 3.5 MHz Convex transducer of any ultrasound device in the market

GENERAL	
Main Supply	230 or 115 VAC±10% 50-60 Hz Single Phase
The system complies with	According to EN 60601-1 Class I, Type B According to 93/42/EEC, Class IIb



ELMED MEDICAL SYSTEMS
Bati Sitesi Mahallesi, Gersan Sanayi Sitesi, 2307 Cadde,
No: 46 Yenimahalle - 06370 Ankara / Türkiye

Tel: +90 312 256 92 22
Fax: +90 312 257 06 08

www.elmed-as.com
e-Mail: sales@elmed-as.com

ELMED USA
3956 Town Center Blvd
Ste 217 Orlando, FL 32837 USA

Tel: +1 407-255-8377
Fax: +1 800-915-9512

www.elmedusa.com
e-Mail: info@elmedusa.com

Specifications and appearance are subject to change without prior notice. (Catalog No: ELM-006/T Rev.02)

ENDO

ELMED MEDICAL SYSTEMS



MULTIMED EM

ELECTRO-MAGNETIC EXTRACORPOREAL SHOCK WAVE LITHOTRIPSY SYSTEM

- Modular
- Compact
- Low noise
- Affordable
- Upgradable
- User friendly
- Transportable
- Cost effective
- Low noise level
- Small foot prints
- Anaesthesia free
- Efficient and safe
- Fully computerized
- Low installation cost
- Low maintenance cost
- Out patient treatment
- Short treatment time

ELMED™ is proud to offer
"The Medical Profession Worldwide an Innovative"
Advanced Lithotripsy System



MULTIMED EN

ELECTRO-MAGNETIC EXTRACORPOREAL SHOCK WAVE LITHOTRIPSY SYSTEM



ELMED™ introduces compact ESWL system, with new generation electromagnetic shock wave source, Multimед EM™, equipped with the MOVABLE Iso-centric shock wave head, which enables user to change shock wave head in 4 different positions; such as, over and under table and their oblique positions, without changing the focal point. This allows the user to choose ideal shock wave coupling position in order to increase the effectivity of the treatments.

Due to its modular, compact and computerized structure, Multimед EM™, can easily localize the stone precisely by using specially designed U-Arm fluoroscopy unit, Lithoscope™ or any standard C-Arm unit and computerized automatic ultrasonic localization robot arm, Litho-arm™.

Multimed EM™, presents the complete solution to the lithotripsy world.

With this special feature, Multimед EM™, provides flexibility for users and comfortable treatment for patients for different treatments. Without changing the patients' position from supine to prone on the table, the shock wave head can be placed under table position for ultrasound localization and above table position for urethral stones.

Multimed EM™, is modular ESWL system, which consists Main unit with new generation electromagnetic shock wave generator and a specially designed motorized urological table with radiolucent top, which enables to make all endourological operations under fluoroscopy. The Hi-Tech ultrasonic localization system with computerized articulated robotic arm provides automatically localization of kidney stones including the low density and non-opaque stones.



Hand held touch screen controller enables user to control all functions of ESWL Main Unit, Treatment Table and U-Arm Fluoroscopy Unit

