



# MULTIMED EM<sup>®</sup>

Electro-Magnetic Shock Wave Lithotripsy System

**ELMED**  
Lithotripsy Systems

# MULTIMED



**Compact**

**Affordable**

**Upgradable**

**Cost effective**

**Transportable**

**Anaesthesia free**

**Efficient and safe**

**Fully Computerized**

**Low installation cost**

**Low maintenance cost**

**Out patient treatment**

**Short treatment time**

**Treats the stones in the kidney,  
entire ureter, bladder and elsewhere**

## Main Specifications

### MULTIMED EM

Energy Source	Electro-magnetic system
Focusing	Acoustic lens
Patient Coupling	Membrane (Dry Coupling)
Localization	Fluoroscopy and/or Ultrasound
Focal Distance	130 mm.
Focal Dimension	7 x 66 mm. (50 % isobar dim.)
Focal Pressure	up to 700 bar
Operating Voltage	variable 0 to 21 KVolt
Frequency	variable 40 to 150 shocks/min.
Triggering Modes	Automatic, ECG, Respiratory and Manuel (optional)
Water System	closed loop circuit with water cushion pressure regulation and 8.5 lt. water capacity
Height	1130 mm.
Length	1170 mm.
Width	460 mm.
Weight	210 kg.

### UROLOGICAL TABLE

Height	850 to 1150 mm.
Patient Surface Width	640 x 1950 mm.
Table Support Width	750 x 1250 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
Lifting Capacity	200 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
Software	32 bit execution under Windows XP
Application	Adaptable to every kind of lithotripters

### LITHOSCOPE

Fluoroscopy Voltage	40 - 110 KVolts (Automatic Brightness Control)
Fluoroscopy Current	0.2 - 3.5 mA (ABC) two main selection
Image Intensifier	6" (7", 9", 12" optional)
X-Ray Tube	0.6-1.5 (1.8 mm. optional) mm. focal spot, fixed anode tube 40.000 H.U.
TV Camera	High resolution CCD Camera
Monitor	17" BW, 625 / 50 or 525 / 60 lines
Height	1830 mm
Length	1250 mm
Width	510 mm
Weight	225 kg

### 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/MDD, Class IIb

**ELMED™**  
**MEDICAL SYSTEMS**  
[www.ElmedSystems.com](http://www.ElmedSystems.com)

3956 Town Center Blvd. Ste 217. Orlando, FL 32837 USA.  
Tel: (407) 852 - 8277 | [info@ElmedMedicalSystems.com](mailto:info@ElmedMedicalSystems.com)

[www.ElmedSystems.com](http://www.ElmedSystems.com)