

### Shock Wave Control Unit\*

**Shock Wave System:** Electrohydraulic spark gap  
**Main Supply:** 115/230V single phase 50-60 Hz  
**Dimensions:** Height: 47.9" (121.8 cm),  
Width: 31.1" (79 cm)  
Length: 33.5" (85.3 cm)  
**Weight:** 290 (132 kg)  
**Focal Point Depth:** 135 mm - 170 mm  
**Focal Area:** 60 mm x 13 mm (at 50% Isobar)  
**Pressure:** 425 BAR - 910 BAR  
**Spark Voltage:** Variable 15-22.5 kV  
**Pulse Control:** Non synchronized at 60 ppm or 96 ppm  
Synchronized to External ECG Monitor (R-wave)



### 4-Axis Multipurpose Treatment Table\*

**Main Supply:** 115/230V AC  
**Tabletop Dimensions:** Height: 32.4" - 40.3" (82.3 cm - 102.3 cm)  
Width: 20" (50.8 cm)  
Length: 49.6" (126 cm) / 85.6" (217.4 cm) extended  
**Base Dimensions:** Width: 31.7" (80.5 cm)  
Length: 48.6" (123.5 cm)  
**Weight:** 230 (104 kg)  
**Movements:** Height: 7.8" (19.8 cm)  
X axis (head-to-toe): 4" (10.2 cm)  
Y Axis (side-to-side): 4" (10.2 cm)  
Trendelenburg /Reverse Trendelenburg: ±7°  
**Max Load:** 400 pounds distributed load (181 kg)



### Medispec's Visionspec™ X-Ray System\*

**Electrical Features:** Voltage: 230/(110) Vac (±10%), single phase  
Frequency: 50/(60) Hz.  
Line Power Supply Stabilization: Automatic  
Line resistance: < 0.6 Ohm  
**Monoblock:** Anode Type: Stationary  
Focal Size: 0.6 x 0.6 mm  
Max Applicable Power (for 1 Sec): 770 W for SF  
Max Continuous Anode Dissipation: 230 W  
Total Filtration: 2.7 mm Al  
**Image Intensifier:** 9" (9"6"/4") or 6" (6"/4")  
Input Field Dimensions: 215/160/120 cm  
Focusing: 80 cm  
**Grid For Fluoroscopy:** Max Power: 0.44 kW  
kV Range: 40 ÷ 110 kV (1 kV step)  
Current in Fluoroscopy: 0.2 ÷ 3.5 mA range / 4 mA (Snapshot)  
H.V. Driving: 1GBT driven inverter  
Operating Frequency: 40kHz  
Filtration: 2.7 mmAl  
Computerized Zoom: to 200%  
**CCD TV Chain:** Camera: With 470,000 pixels CCD sensor  
Scanning System: CCIR/625/50 standard (EIA 525/60 optional)  
LCD Flat Monitor: 15" standard (17" optional)



### C-Arm Configuration Alternatives

The Medispec E3000 system is compatible with most standard C-arm imaging systems, so you can configure the E3000 system with an existing C-arm, providing additional cost savings. Medispec's representatives will work with you to determine the best C-arm option for your applications.

### Treatment Table Configuration Alternatives

The standard 4-axis table can be upgraded to a 5-axis endourology table, providing more flexible positioning. Medispec's tables are designed for lithotripsy and auxiliary endourology procedures. Positioning the patient is easy, with motor-driven trendelenburg tilt, horizontal and vertical motion capabilities, and remote control hand and foot switches. In addition, the 5-axis endourology table has a weight capacity of 450 lbs (204 kg). A variety of table accessories are available for both the 4 and 5 axis tables, including drain bag holders, leg stirrups and arm boards.

### About Medispec

Founded in 1990, Medispec develops, manufactures and markets high-tech medical equipment for the fields of Urology, Uro-Gynecology and Orthopedics. Medispec provides advanced, high quality products that comply with the worldwide standards of today's marketplace. Medispec has a proven track record of delivering high performance Shock Wave Therapy products to international medical institutions, accompanied by on-time delivery and a reliable service. We customize solutions that meet our client's specific medical and business requirements, ensuring that they receive the highest quality, reliability and cost efficiencies available.



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# E3000



## Redefining stone treatment



### The New Extracorporeal Shock Wave Lithotripsy System

### Regulatory Compliance

FDA, MDD (93/42/EEC), IEC 60601-1, UL 60601-1, IEC 60601-1-2

\* Data subject to change without notice

SW-6-X500D

# Medispec E3000

## High performance lithotripsy in a new, *compact* design

The Medispec E3000 is an Extracorporeal Shock Wave Lithotripter that effectively treats renal and ureter calculi. This lithotripsy system offers the perfect combination of clinical performance, flexibility and affordability.

### Excellent Clinical Performance with Medispec's Large Focal Zone (Zone Breaker)™ Technology:

The Medispec E3000 combines one of the highest pressures with one of the largest focal zones in the industry, providing the most effective lithotripsy system available today. Medispec's patented large focal zone (Zone Breaker)™ covers a larger surface area than other systems, so it is more likely to hit the stone, increasing speed and efficiency of treatment. The high pressure produces powerful shocks that quickly disintegrate the stone.

The E3000 has provided superior performance in clinical tests. It consistently provides a high stone-free rate and a low retreatment rate.

### Modularity & Versatility:

The newly designed E3000 is a compact, modular unit that can fit into almost any clinical environment, including hospitals, outpatients centers, and mobile environments. It is lightweight and has been constructed to endure the rigors of frequent setup and dismantling. The components of the system can be stored in a small area and quickly assembled as needed. The E3000 does not require any special wiring or plumbing and can be plugged into a standard outlet.

### High Voltage Generator with New Solid State Power Supply Technology (SSPS)™:

The high voltage generator is the heart of the E3000 system. The generator is based on spark-gap technology. Spark gap generators create shock waves in water, through an electrode placed in an ellipsoid reflector. Medispec's new Solid State Power Supply Technology (SSPS)™ results in highly uniform pulses of energy being delivered to the stone for maximum breaking efficiency and speed.



Medispec spark electrode

### Improved Performance

- ◆ Increased membrane coupling pressure improves the shock wave transmission to the stone.
- ◆ New Solid State Power Supply Technology (SSPS)™ provides uniform shocks waves that increase treatment efficacy.
- ◆ Medispec's large focal zone technology (Zone Breaker)™ and high pressure deliver accurate and powerful stone fragmentation.

### Compact, User-Friendly Design

- ◆ The newly redesigned E3000 is compact and can be easily transported and stored in a small space when not in use.
- ◆ Patient positioning is improved, increasing patient comfort and user accessibility to the patient.
- ◆ Machine parts are easily accessible for routine maintenance and can be changed within seconds.
- ◆ Diagnostic LEDs indicate when maintenance is required and aids in troubleshooting.

### Centralized Control Panel

- ◆ The shock wave control unit and table are controlled through the centralized control panel.
- ◆ The easily accessible control panel is located directly on the shock wave control unit.
- ◆ The treatment table incorporates a separate hand-held remote control. The table can be used for other applications without being connected to the shock wave control unit.



The control panel is located on the shock wave control unit and controls the ESWL settings and table position.

### Medispec's X-Ray System

The E3000 can be used in conjunction with most standard C-Arm imaging systems, or with Medispec's innovative X-Ray system. It is a high quality computerized system with a motorized U-Arm movement, designed especially for lithotripsy applications. The system offers a high quality digital image as well as simplicity in operation and maintenance. The Visionspec™ is Windows based, has advanced features for image processing and includes data storage of 1000 images. It comes with a standard configuration Image Intensifier of 9"/6"/4".



Medispec's Visionspec™ X-Ray System

### Ultrasound System (optional)

The E3000 can be used in conjunction with most standard ultrasound systems available, so you can configure the E3000 system with existing ultrasound system, providing additional cost savings. Medispec's representatives will work with you to determine the best ultrasound option for your applications.

### 4-Axis Multipurpose Table

The E3000 comes standard with a detachable 4-axis, multipurpose table. This motorized table has a cutout on both sides to enable easy patient positioning. The table top is made of carbon fiber for obstruction-free imaging and can be used for a variety of endourology procedures. The treatment table has a weight capacity of 400 lbs (181 kg), one of the highest in the industry.



4-Axis multipurpose treatment table

### Computerized Console (MediConsole)™

The Computerized Console (MediConsole)™ is an optional remote device which can be incorporated with the E3000 system. It is Windows based and provides the user a wide range of patient data management capabilities and a central operating panel that controls all lithotripsy functions. The Computerized Console (MediConsole)™ also has advanced features such as Auto Localization of the stone and Multi Screen stone presentation.

