



## E3000<sup>TM</sup>

### ELECTROHYDRAULIC ESWL SYSTEM

The Optimal Choice for  
Kidney Stone Management

**GROUNDBREAKING TECHNOLOGY**

*Within Your Reach*

# BETTER PERFORMANCE MEANS BETTER HEALTH CARE

The newly designed E3000 Electrohydraulic Lithotripter is an Extracorporeal Shock Wave Lithotripsy system that effectively treats renal & ureteral stones using spark-gap technology. With more than 1,500 systems sold worldwide, the E3000 provides the ideal combination of superior clinical performance and flexibility. Medispec has designed a state-of-the-art lithotripter with one of the largest focal zones in the industry and highest bar pressure, to provide stone free rates of over 80%\* and exceptionally low re-treatment rates.

Our system is fully integrated and cost effective with low maintenance and operational costs. The complete package includes a non-dedicated C-arm and endourological table, which can be used for a variety of urological procedures. The E3000 is compact and does not require special infrastructure or a dedicated room. It successfully fits in any medical environment, including: University medical centers, local community hospitals, government hospitals and ambulatory surgery centers.



# THE IDEAL COMBINATION FOR OPTIMAL STONE FRAGMENTATION

Medispec has designed the ideal formula for successful shock wave stone fragmentation in the E3000. With its outstanding clinical results, patient treatments can be completed faster and more efficiently, ultimately decreasing patient wait and maximizing productivity.

## LARGE FOCAL AREA

Clinical studies show that a large focal area is one of the key factors to achieving successful urinary stone fragmentation. Our E3000 covers a greater surface area than competing systems, providing one of the most effective stone fragmentation rates currently available in the market (13x60mm).

In addition, respiratory movements can cause the renal stone to shift out of the focal zone, making precise stone positioning very challenging. The E3000's large focal area drastically reduces negative effects of respiratory-induced movements.

A large focal zone will also:

- Facilitate better patient positioning
- Enable improved stone localization
- Provide higher efficacy for larger stones

## HIGH BAR PRESSURE

The E3000 has provided superior performance in clinical tests. The high bar pressure ensures the shocks are powerful enough to efficiently disintegrate the stone. Consistently, the E3000 offers the highest stone-free rate and the lowest re-treatment rate available to the lithotripsy market.

## LARGE PENETRATION DEPTH

Sufficient shock wave penetration is essential when treating both renal and ureteral stones. Medispec's E3000 offers one of the largest shock wave penetration depths—especially useful when treating obese patients.

### Rate of Fragmentation

Stone free at 3 months (no residual fragments)	82.9%
Re-treatment rate	6-7%
Auxiliary Procedure required	<7%

\*Source: FDA Clinical Study

E3000:  
A Proven  
Technology!



## INTUITIVE DEVICE WITH BUILT-IN FEATURES



Clever Design for Advanced Positioning



Touch Screen Monitor

## VERSATILITY

The Medispec E3000 system is comprised of three major components: Shock Wave Generator, non-dedicated endourological treatment table and your choice of non-dedicated C-arm, which can be used for multiple applications.

We also offer an optional ultrasound device for improved stone visualization.



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## SHOCK WAVE GENERATOR

The Shock Wave Generator is the heart of the E3000 electrohydraulic system, based on spark-gap technology. The shock waves are created using an electrode placed in an ellipsoid reflector. The shock wave then travels through water and the energy produced from the ignition of the electrode is reflected from the focal area to the treatment point. The recurring pressure on the stone leads to its fragmentation, with little damage to the kidneys and surrounding areas.

Spark gap technology was the first technology used by many researchers and physicians since the 1990s. To this day, spark gap technology is the most effective type of technology available on the market and still remains the gold standard for the treatment of kidney stones.



## BENEFITS

- The leading stone treatment solution, offering outstanding performance and superior clinical results
- Advanced treatment console with easy-to-operate touch screen
- 82.9% Success rate
- Optimal combination: Large focal zone and High bar pressure
- Components are ideal for multiple endourology applications
- Compact, light-weight and easily stored in closets
- Customized solution for each patient
- No major side effects
- Easy to Transport



## ENDOUROLOGICAL TABLE

Our standard package comes with a motorized 4-axis endourological table with bilateral cut-outs to accommodate treatment on either side of the patient. Made of carbon fiber, the tabletop allows for obstruction-free imaging and can be used for a wide variety of endourological procedures. Our table comes standard with surgical side rails. Optional accessories include: drain bag holders, stirrups and arm boards.

## C-ARM

Our Lithotripters integrate with most standard C-arms, allowing you to capitalize on your current investment. Medispec can also package a cutting-edge C-arm, which will offer clear view of the stone throughout the procedure and comes complete with an easy-to-use work station.

## ULTRASOUND INTEGRATION

Include ultrasound in your package for viewing additional dimensions and real-time monitoring. Ultrasound provides better accuracy while decreasing radiation exposure.





## MAINTENANCE & SUPPORT

Medispec understands that your top priority is to provide patients with the best care possible, while Medispec's top priority is taking care of you. Medispec's highly trained service staff is on-call 24 hours a day to accommodate your lithotripsy needs and can often provide a solution over the phone. Our devices undergo extensive, in-house compliance procedures throughout the year to ensure that your equipment meets performance requirements. With over 200 certified technicians throughout the United States, we have the most comprehensive service network available for lithotripsy systems and guarantee to find a solution for you within 48 hours.

## EXPERIENCED LITHOTRIPSY SPECIALISTS & COMPREHENSIVE TRAINING PROGRAMS

Medispec can provide licensed and experienced Lithotripsy Specialists to perform treatments in your hospital or medical facility. All our Specialists have completed an in-classroom and hands-on training program, accredited by the American Society of Radiologic Technologists (ASRT) to perform ESWL and are certified with the American Registry of Radiologic Technologists (ARRT).

Our Specialists can also provide comprehensive training for your radiology staff to operate the system and to assist with treatments. The in-service program includes a classroom style lecture, clinical trainings and extensive follow-up. Trainees who successfully complete the classroom and clinical programs are awarded continuing education credits.





## CUSTOMIZED SOLUTIONS

Whether you wish to purchase, lease or rent, Medispec has customized programs to provide you with practical and economical solutions to meet your lithotripsy needs. Our mobile lithotripsy service provides convenient and flexible scheduling at your choice of location along with a knowledgeable, trained and certified Lithotripsy Specialist. We operate directly with the end user—eliminating intermediary parties. Our flexible, client-tailored solutions are designed to reduce your costs and increase revenue, hence improving your overall standard of care. Contact us for a complementary, confidential financial analysis.





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**GROUNDBREAKING TECHNOLOGY**  
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As a manufacturer and service provider with over 20 years of experience in shock wave therapy solutions, Medispec continuously introduces competitive systems and technological breakthroughs to the market. Using our business knowledge and application, we have produced state-of-the-art medical systems in the fields of Urology, Orthopedics, Aesthetics and Cardiology.

Medispec strives to deliver clinically-effective, user-friendly shock wave devices while providing unparalleled quality that complies with the worldwide standard of today's marketplace. Medispec services clinics, medical centers and hospitals in over 80 countries worldwide. All our systems offer modular design, versatility, ease of use and a high degree of mobility, for delivering innovative technology and giving your patients access to quality care in a fast and efficient manner.

**MEDISPEC LTD.**

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