

# The Dornier *Compact Delta II*

*Integrated Transportable Lithotripter*



# Dornier

## *The Optimal Solution: The Dornier Compact Delta II*

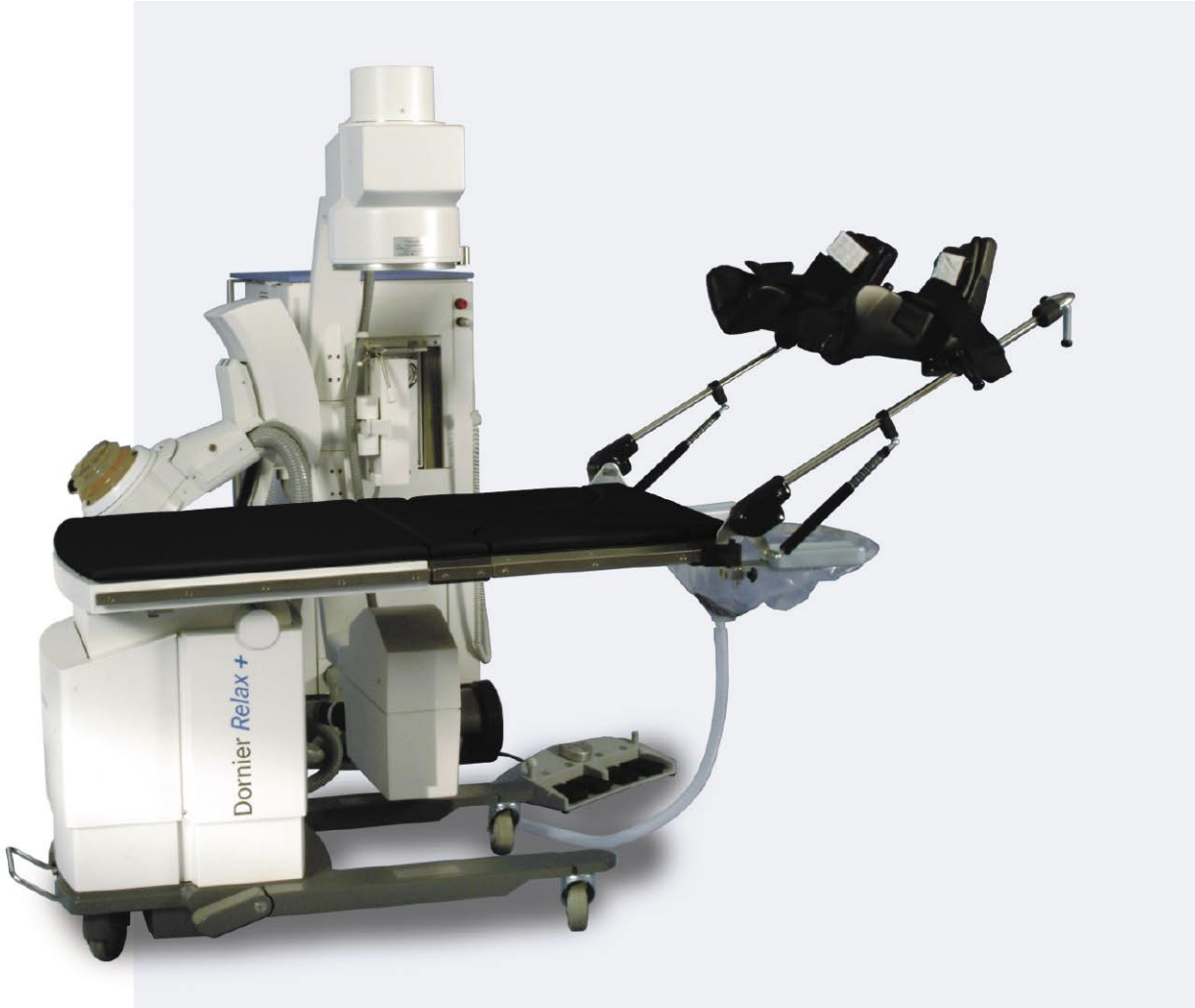


*Optimal Solution*



# Compact Delta II

## Advanced Technology and System Flexibility



The compact and easily transportable *Compact Delta II* is effective and easy to use. This system is based upon the most widely sold lithotripter on the market today, the *Compact Delta*, which has successfully treated millions of patients worldwide and continues to be the perfect combination of transportability and performance.

***The Dornier Compact Delta II is a fully integrated, transportable lithotripter.***

The state-of-the-art design combines proven Dornier Extracorporeal Shockwave Lithotripsy, or ESWL technology, with state-of-the-art imaging to create the optimal system for lithotripsy and a variety of additional applications.

Advanced Technology



# Dornier Compact

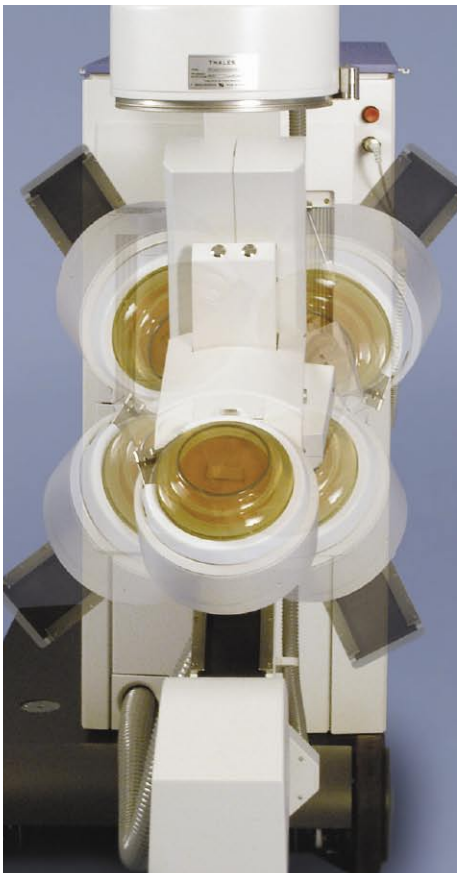


## *EMSE Technology*

Today, hundreds of physicians trust Dornier's proven EMSE (Electromagnetic Shockwave Emitter) technology to deliver consistent, reliable energy. It ensures low re-treatment rates with minimal side effects and shorter treatment times. Increased treatment flexibility is achieved with the high penetration depth and wide dynamic range, making it effective for a wide variety of situations.

## *Treatment Flexibility – Therapy Head*

The Dornier *Compact Delta II* features a motorized therapy head, which provides treatment flexibility by emitting shockwaves from various orientations. With the option to treat in both over and under table positions, all treatments are performed with the patient remaining in the supine position. This is a unique feature of Dornier's Compact line of lithotripters.



Treatment Flexibility

# Delta II

## Advanced Design For Easy Targeting

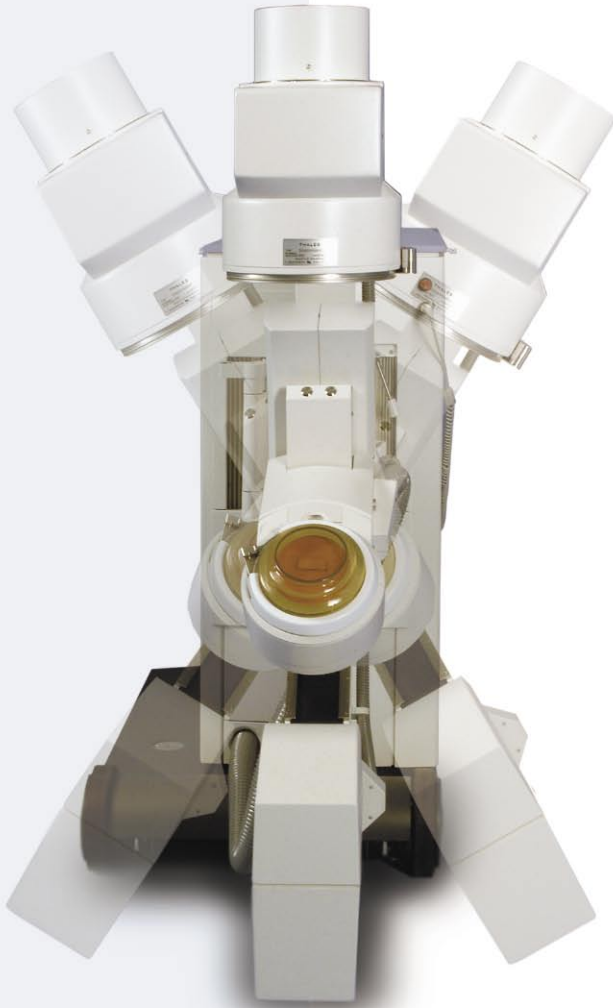


### ***Isocentric***

The Dornier *Compact Delta II*'s isocentric design allows both the shockwave and imaging systems to revolve around a single point. This ensures precise alignment of the targeting system and the shockwave focus at all times. As the X-ray and ultrasound imaging angles change, the scanning plane constantly passes through the focal spot providing continuous visibility of the stone. This advanced design makes it easier to target under difficult conditions.

*Isocentric Design*

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## **X-Ray**

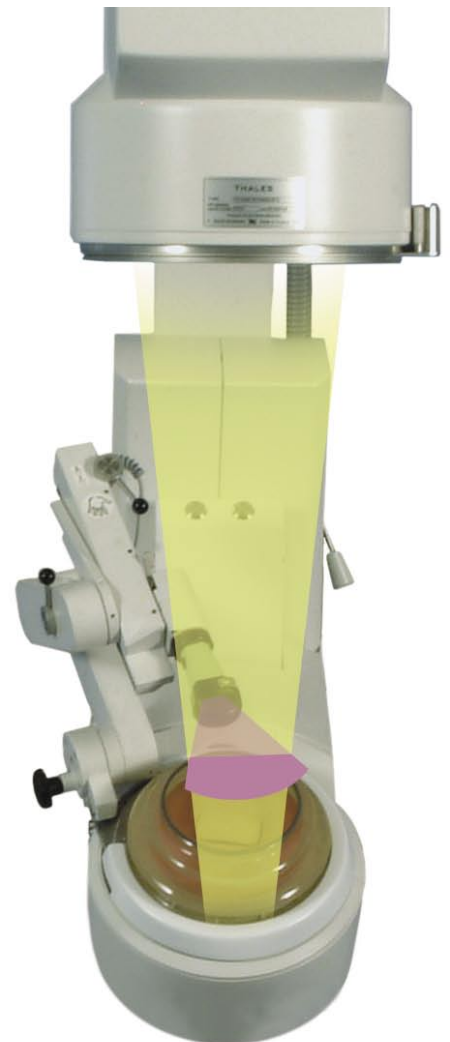
Exact positioning is obtained through the integrated isocentric therapy head and X-ray system. The C-arm moves along two projections, while the central X-ray beam continues to pass through the center of the focal zone. Set-up is fast and reliable with the Dornier *Compact Delta II*. Unlike systems with a separate C-arm, the operator need not be concerned with misalignment.

The fully digital X-ray chain, developed by Dornier MedTech, is a state-of-the-art imaging system. The high frequency generator, combined with the digital camera, provides superior images.

## **Dual Mode Imaging**

The *Compact Delta II* offers flexible imaging options, which can be used independently or in combination.

- Single mode imaging, using either X-ray or Isocentric Ultrasound
- Dual mode imaging, using two imaging options





# Compact Delta II

## Optimal Imaging

Optimal Imaging

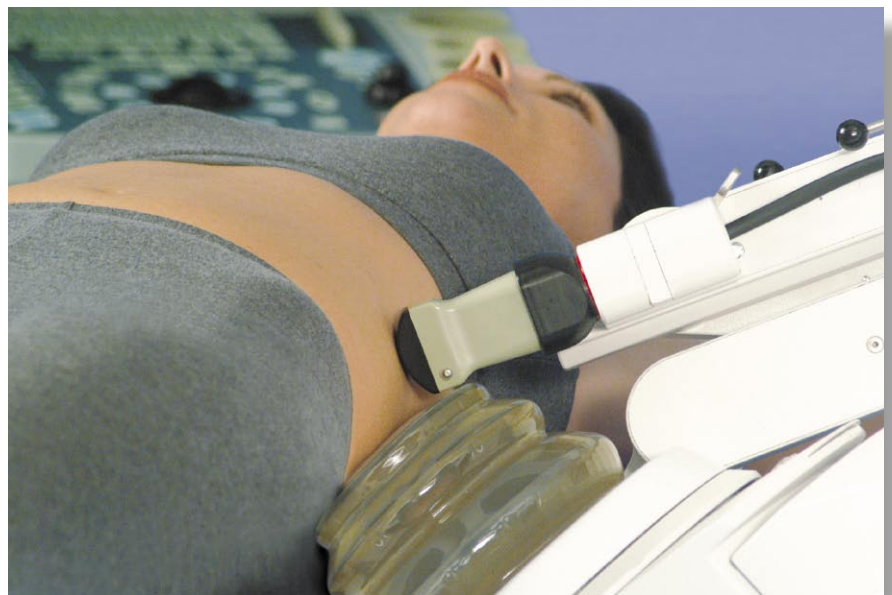


### Ultrasound

The *Compact Delta II* offers an additional dimension in targeting accuracy with Isocentric Ultrasound, by allowing real-time monitoring of the disintegration process. The focal area can be continuously monitored to ensure precise stone targeting, which maximizes shockwave delivery and minimizes radiation dosage.

### Isocentric Ultrasound

Use of the optional, patented localization ultrasound arm optimizes positioning flexibility and stone imaging. Its isocentric design allows the shockwave and ultrasound to remain independent of one another. The isocentric arm maintains direct contact between the transducer and the patient, while providing flexible adjustment of the scanning plane for an optimal scanning window, avoiding rib shadows and bowel gas.



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## **Multi-functional**

The fully motorized Relax+ table is ideal for ESWL and endourological procedures. Large travel ranges, combined with the zero bladder cut-off design, allows the display of the entire urinary tract.

Treatments can be performed on either side of the table, due to the unique design. The exchangeable radiolucent stretcher holds up to 396 lbs. (180 kg) and is simple to reconfigure for a variety of applications.



## **Table Movement**

The Relax+ table has a variety of position options with the four axes movement design. The table moves in X, Y, Z and Trendelenberg. The isocentric and non-isocentric table tilt feature allows the patient to be tilted without the need of physician re-adjustment.



**Multi-functional**



# Compact Delta II

## Ergonomic Design

### Versatility

The versatile, modular design makes the *Compact Delta II* the optimal solution for all areas of urological diagnosis and therapy. This includes lithotripsy, endourology, percutaneous procedures and diagnostic X-ray. The ability to separate the therapy head and C-arm, and the flexibility of the Relax+ table, make this the perfect multi-functional system.



Treatment Versatility

# Dornier Compact



## *Transportability*

Based upon the enhanced design, transporting the *Compact Delta II* is quick and easy. The C-arm and therapy head simply tuck to the side.

Set-up is quick, easy and reliable, due to the integrated C-arm and therapy head. The plug-and-play design allows the system to go from street to treat quickly, without risk of misalignment between the C-arm and the therapy head.



Transportability

# Delta II

## Options & Accessories

### Drain Bag Assembly

- Allows physician to get closer to patient
- Mounts to table and has a wire edge for shaping the drain bag to channel fluid
- Use physician elbow rests (option) with the drain assembly for support during procedure



### ECG Monitor

- Lightweight and portable
- LCD display with backlit screen
- High quality, crystal-clear resolution
- Triggered shockwave release



### Stirrups

- **Leg Support:** Attaches to T-rail, manual movement
- **Knee Crutch type:** Attaches to T-rail, built in gas spring for easy movement (Option)
- **Boot type:** Attaches to T-rail, built-in gas spring for easy movement (Option)



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