

*The Dornier*  
**Compact Delta II** with **UIMS**

*Integrated Transportable Lithotripter*



*The 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. Based upon the most widely sold lithotripter on the market today, the Compact Delta, which has successfully treated millions of patients world wide 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 and information management options to create the optimal system for lithotripsy and a variety of applications.



Advanced Technology

# The Dornier

## **EMSE Technology**

Today hundreds of physicians trust Dornier's proven EMSE (electromagnetic shockwave emitter) technology to deliver consistent, reliable energy, which ensures low retreatment 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 patients remaining in supine position, a unique feature of Dornier's Compact line of lithotripters.



Treatment Flexibility



# Compact Delta II

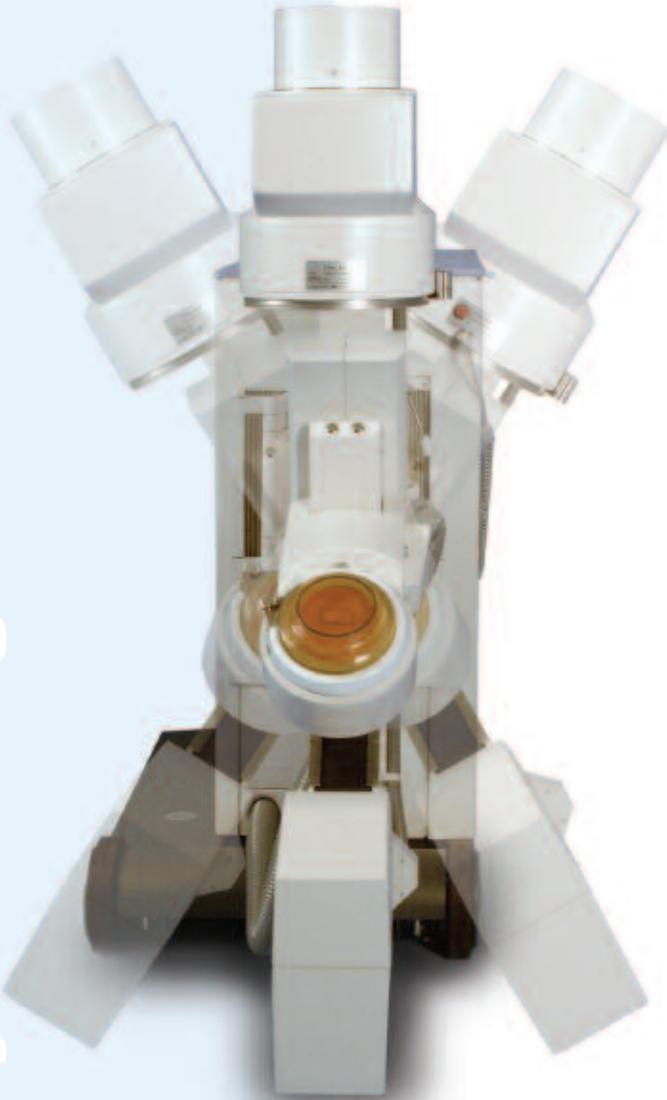
**Advanced Design  
for Easy Targeting**

## ***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***



## **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**

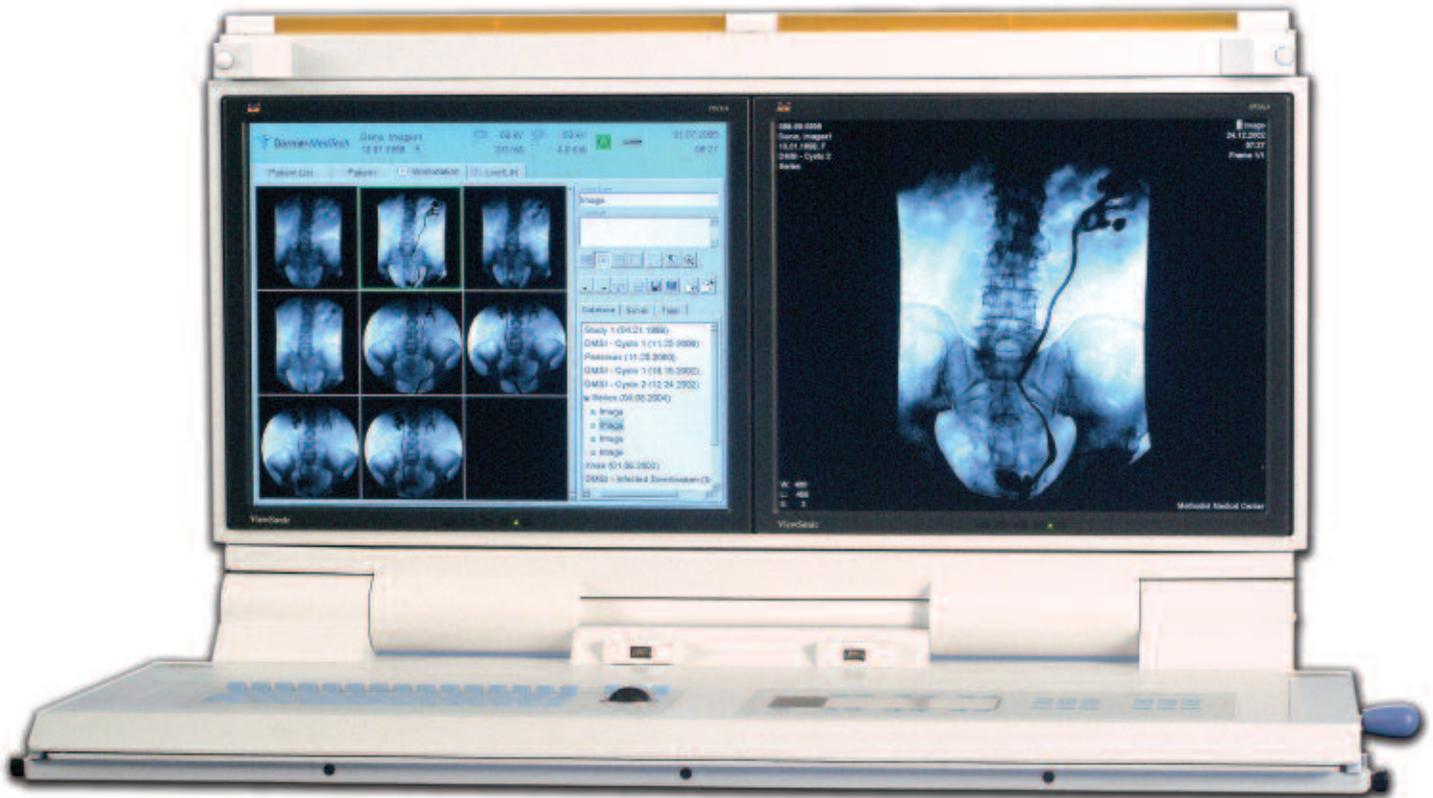
The Compact Delta II offers an additional dimension in targeting accuracy with Isocentric Ultrasound by allowing real-time monitoring of the disintegration process. The focal area can be continuously monitored to ensure precise stone targeting, which maximizes shockwave delivery and minimizes radiation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

### **Isocentric Ultrasound**

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



## **UIMS** Urology Information Management System

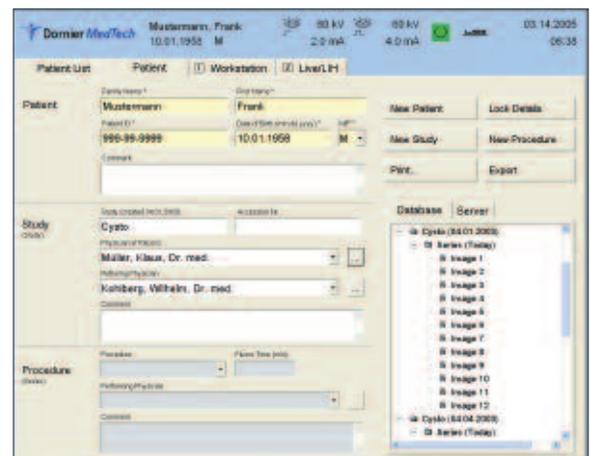


### **A Comprehensive System**

UIMS - Dornier's next generation of digital imaging, data management, and connectivity platform is available on all Dornier high-end lithotripters and urology tables. This system offers comprehensive DICOM capabilities and images are displayed on LCD flat panel monitors. The system is easy to use and allows the operator to perform select functions via the footswitch.

### **User-friendly Design**

The graphical user interface allows direct interaction with all functions, including image and data management. The layout is designed to streamline work-flow, is easy to use and requires minimal training. Patient data can be entered quickly and retrieved at any time using simple search functions. Predefined protocols make set-up quick, easy and error free.

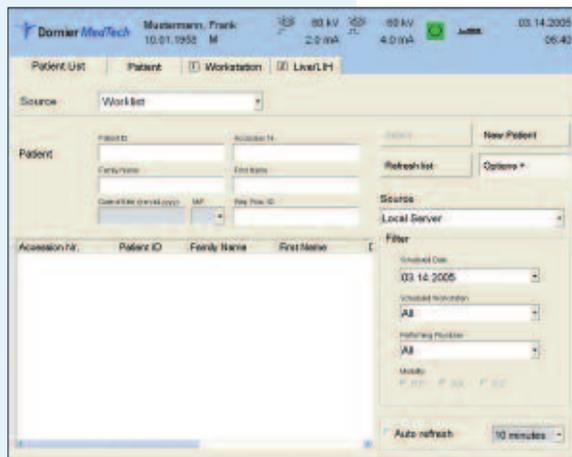


# Compact Delta II

## Data Management

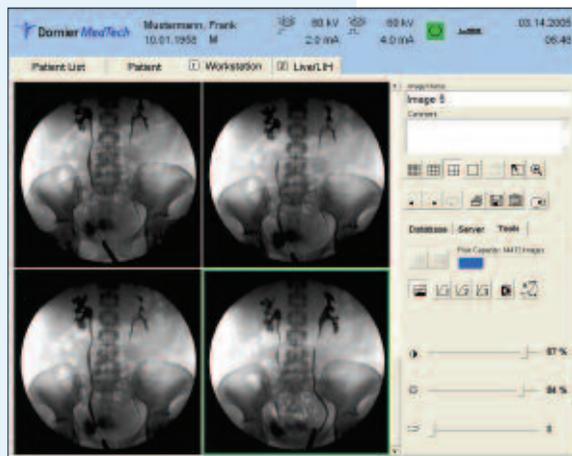
### Easy Networking

The Dornier Compact Delta II can be integrated into the hospital or clinic network via the DICOM 3.0 interface. Comprehensive DICOM capabilities are supported by the system including DICOM Worklist.



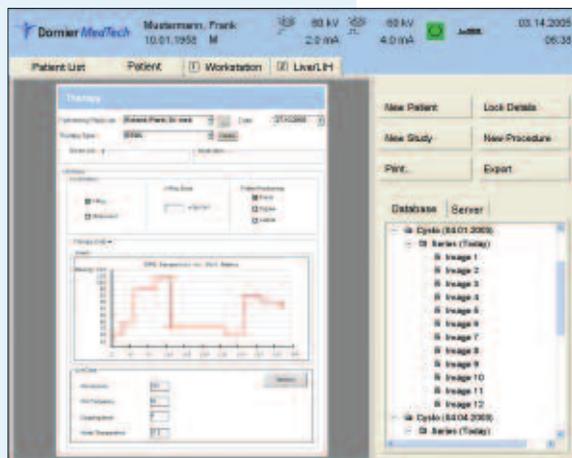
### Image Print & Archival

Stored images can be exported to both local or networked printers. A separate print preview feature is available to simplify the selection of the desired images. Image archival is also available in various formats.



### Documentation

The optional Advanced Patient Data Management System automatically monitors the critical ESWL parameters during therapy. This facilitates easy documentation of patient treatments.



# The Dornier



## **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 (180kg) and is simple to reconfigure.

## **Table Movement**

The Relax+ table has a variety of position options with the 4 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 readjustment.



Multi-functional



# Compact Delta II

## Ergonomic Design



### **Transportability**

Due to the enhanced transport 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.



### **Versatility**

The versatile, modular design makes the Compact Delta II the optimal solution for all areas of urological diagnosis and therapy, including 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



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