



Dornier Delta III

# A GLOBAL LEADER

Dornier MedTech® is a global medical device company known for its pioneering technologies in lithotripsy and revolutionary therapies in urology. Dornier works closely with physicians, healthcare providers and research groups to ensure their Advanced Imaging Urology Tables, ESWL® Systems, and Surgical Lasers lead technology and improve life across the globe.



# DORNIER DELTA® III

## CUTTING-EDGE AND FLEXIBEL

The compact and easy-to-transport Dornier Delta® III combines Dornier's proven extracorporeal shockwave system with state-of-the-art imaging technology, a multifunctional table and a central control system.



The therapy head has a wide range of movement, allowing the patient to lie comfortably on their back at all times

Optical coupling control OptiCouple® for reducing the number and power of shockwaves

EMSE with a penetration depth of up to 170 mm also allows obese patients to be treated

Three imaging modes (isocentric outline ultrasound, inline ultrasound and x-ray) can be used in any combination

Gentle treatment thanks to the therapy head's spacious coupling area

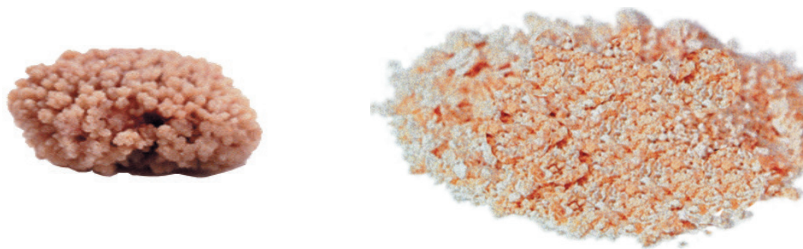
The motorised, multifunctional patient table is low for easy access

# BEST RESULTS

## 94.5 % STONE FREE RATE\*

Highest stone free rate is achieved by

- the new therapy head/EMSE with a focal depth of 170 mm for a broader spectrum of patients
- the unique optical coupling control Dornier OptiCouple® for higher efficiency
- the powerful X-ray generator for excellent image quality



*“Working with the EMSE 180 and OptiCouple®, we were able to optimize treatment success at our institution. The combination of larger EMSE diameter and shockwave penetration helped us treat more patients; in addition, video surveillance of the coupling with OptiCouple® has improved the effectiveness of our treatment substantially.”*

– Prof. Gerd Lümmer, Troisdorf, Germany

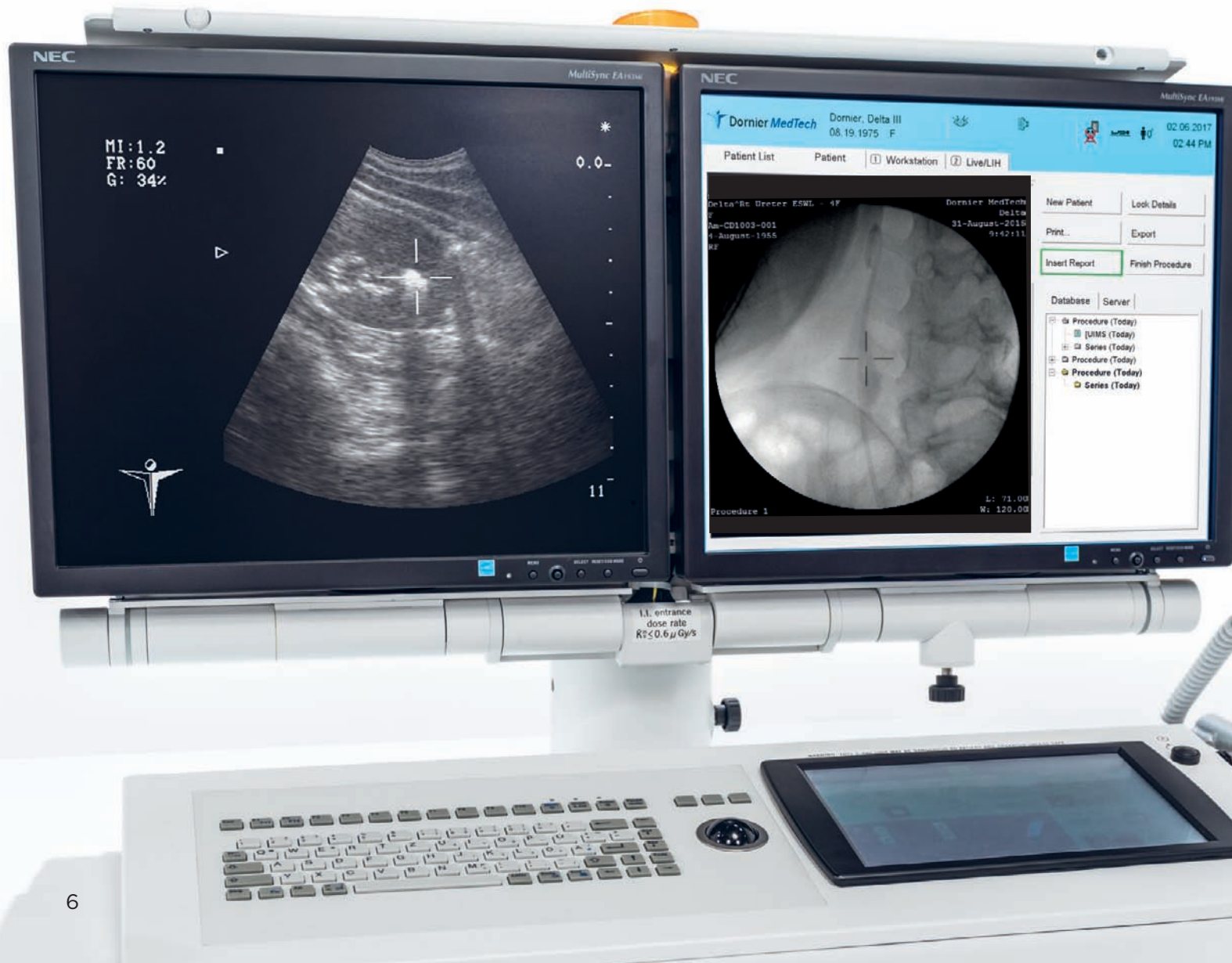
\* Study: M. Mohammadi, T. Au, N. Milz, S. Osswald, A. Zintl, H. P. Bastian, G. Lümmer, St. Josef-Hospital Troisdorf Study Hospital: “The Clinical Experience with the New Dornier Shock Wave Source EMSE 180 for ESWL”, Düsseldorf, 60 Congress of the North Rhine-Westphalian Society of Urology, (April 3 – 4, 2014).



# EXCELLENT IMAGING

## 3 IMAGING MODES

Stone localization can be accomplished using any one of the three imaging modes offered on Dornier Delta® III - inline or outline ultrasound or X-ray. Either ultrasound imaging system can be applied with fluoroscopy for real time dual imaging.



## NEW X-RAY SYSTEM

Thanks to the new powerful X-ray generators with 7.5 or 15 kw, the new X-ray system offers high image quality, even in obese patients.

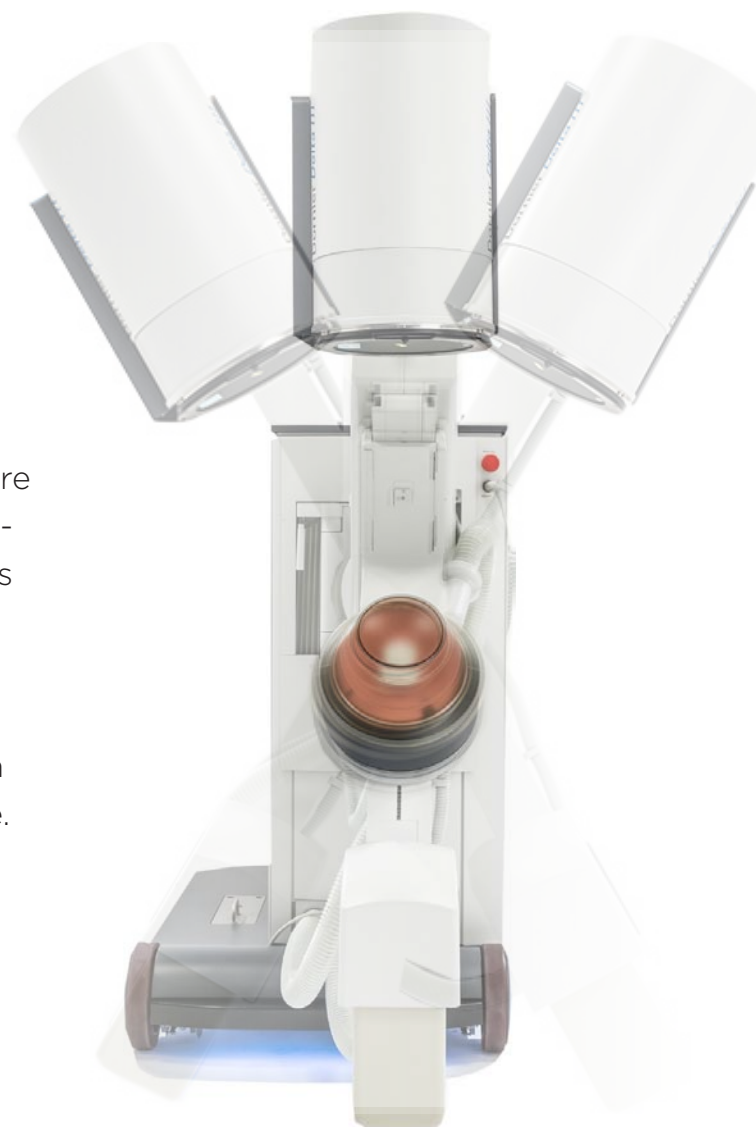
Additional advantages:

- Touch screen interface
- Iris and zoom preview
- Actively cooled X-ray tube with water circuit

## OBLIQUE C-ARM MOVEMENT

In addition to the vertical projection, two X-ray oblique (CC) projections are available to ensure excellent stone localization even if ribs or intestinal gas overlay the stone.

The excellent X-ray imaging is also supported by the radiolucent carbon fiber mid-section of the Relax+-table.







# NEW THERAPY HEAD



## NEW SHOCK WAVE SOURCE EMSE 180

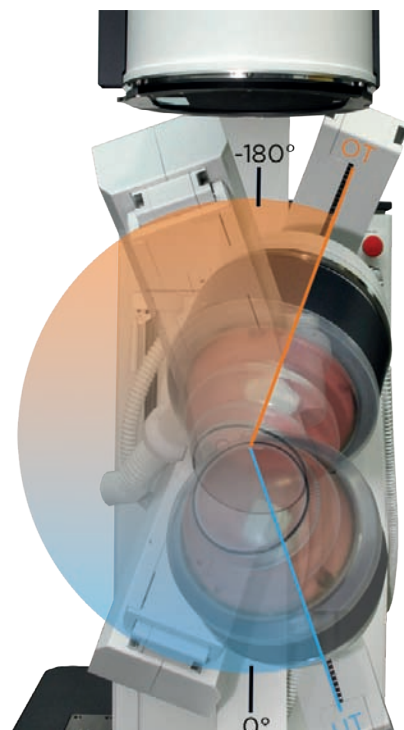
- Penetration depth of 170 mm - well suited also for obese patients.
- Large coupling area of the therapy head for gentle treatment.

## NEW THERAPY HEAD

The new Delta III therapy head features best in class movement and access.

- +63° / -63° degrees of therapy treatment positions through motorized orbital movement
- Continuous overtable and undertable therapy head positioning offers unparalleled flexibility in adapting the ESWL® approach to stone location. The patients can always remain comfortably in supine position.
- Motorized axial rotation of the therapy c-arm by 220° for optimized coupling to the patient.

*220° axial rotation of the  
therapy head*



## PATIENT TABLE

The Dornier Relax+ is a transportable, motorized multifunctional table for extracorporeal shock wave lithotripsy (ESWL®). The modular design and the comprehensive range of available accessories allows the table to be configured individually. The minimum table height position of 78 mm allows ambulatory patients to easily access and sit on the table.



MINIMUM TABLE HEIGHT  
POSITION OF 78 CM  
FOR EASY ACCESS