DORNIER DELTA III PRO

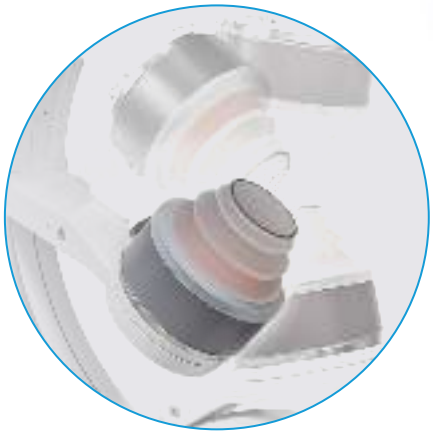
Our best got even better

Dornier *MedTech*

Why **Delta III Pro**

Excellent system efficiency for optimized treatment outcomes

Experience Dornier's Exclusives



Flexible Therapy Head

Offering a wide range of movements

EMSE 180

Most clinically proven shock wave technology[1]

OptiVision

The perfect image-processing solution for urology

OptiMove

Achieving precise table movements

Advanced imaging for **greater clarity**

Smart & connected, for improved procedural performance

Ergonomic design for **efficient workflow**

OptiCouple

43%

more effective[2]

Dual Imaging Option

Combining the benefits of ultrasound and X-ray

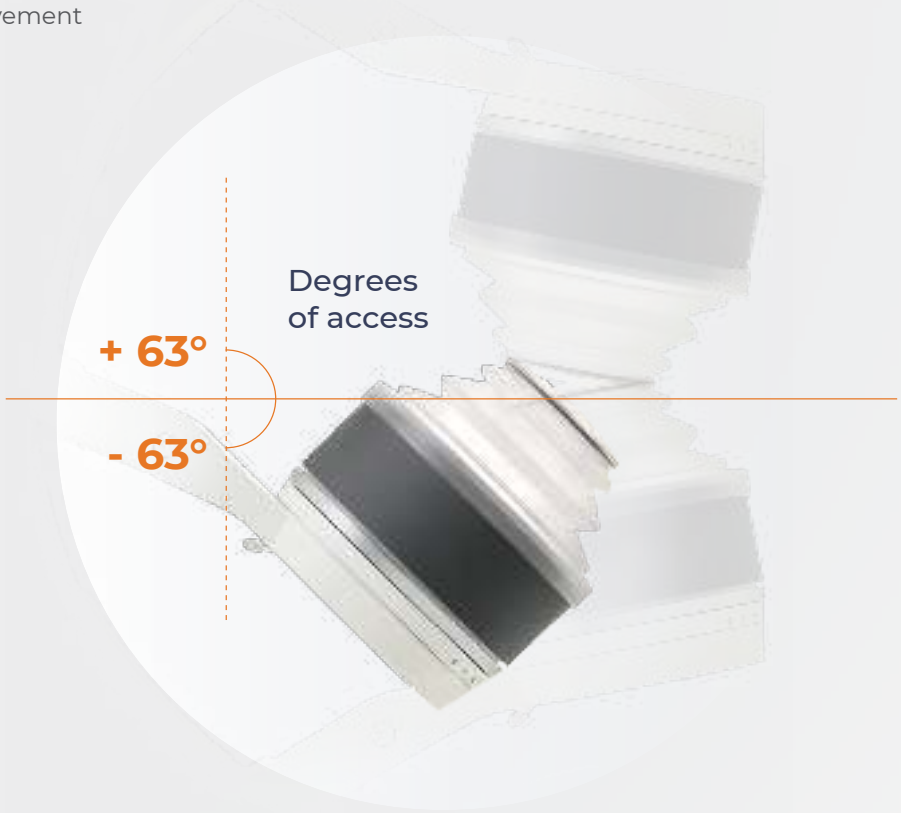
Excellent system efficiency for optimized treatment outcomes

EMSE 180

- Penetration depth of 170 mm to treat a broad spectrum of patients, including obese patients
- Large coupling area of the therapy head for gentle treatment

Best-in-class therapy head movements

- + 63° / - 63° of therapy head treatment positions through isocentric motorized orbital movement
- 220° motorized axial rotation of the therapy head for optimized coupling



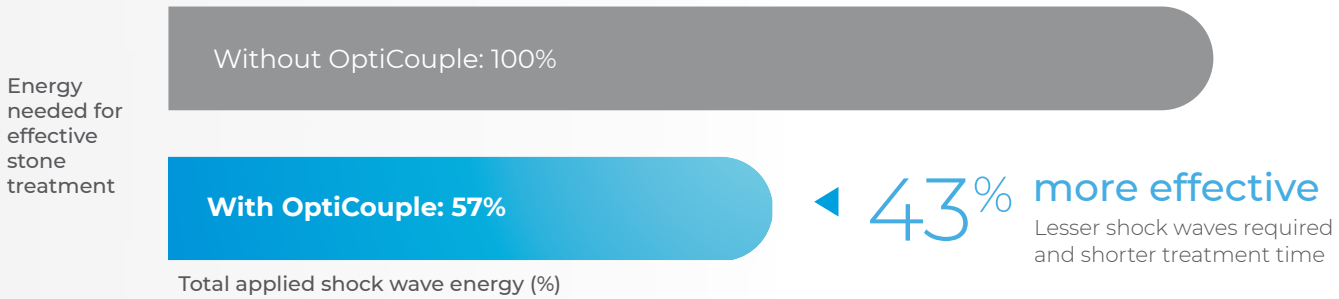
Automatic degassing

- Optimize energy transmission through continuous, automatic degassing

Scan to learn more about **Delta III Pro's clinical benefits**

OptiCouple: 43% more effective

- Offers Optical Coupling Control through an integrated camera in the therapy head, providing visual information on air inclusions at the coupling interface
- Improves energy transmission by up to 43%[2]



43% more effective
Lesser shock waves required and shorter treatment time

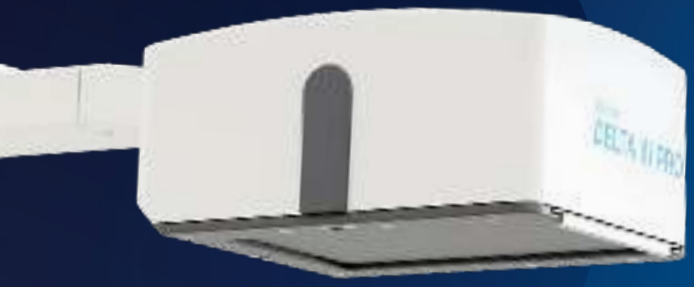
Optical Coupling Control

Did you know?

Air bubbles in the coupling gel can significantly impair energy transfer of shock waves and may even result in side effects such as petechiae.

Removal of visualized air bubbles by the user

Advanced imaging for greater clarity



Flat panel detector (FPD) technology

- Offers clear and sharp images with lower degradation over time
- Provides 20% greater field of view compared to 9-inch Image Intensifier
- Compact design offers more flexibility and convenience

Ultrasound-guided ESWL

- Eliminates radiation exposure for patients and users while allowing users to detect any type of stones
- Real-time monitoring offers immediate readjustment of patient positions when necessary and maintains stone alignment over the target zone
- Isocentric ultrasound imaging provides a high degree of flexibility and imaging quality[3]

Dual imaging option: The best of both worlds

- Comprehensive imaging capabilities, with the option of localizing stones using either X-ray or ultrasound imaging, or both simultaneously
- X-ray stone localization allows fast, initial positioning of the patient, while ultrasound provides real-time information on patient respiration and stone disintegration

Benefits of **FLUOROSCOPY**

- Easy to learn
- Able to target all anatomical locations

Benefits of **ULTRASOUND**

- No radiation exposure
- Able to image stone regardless of chemical composition
- Continuous, real-time imaging

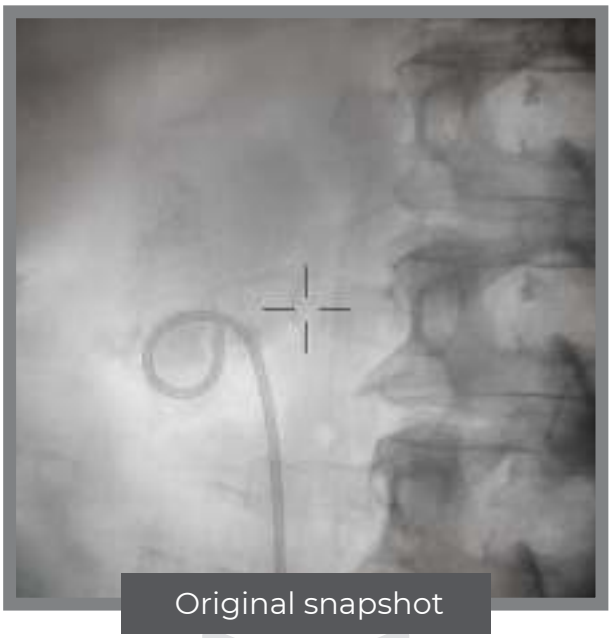
"ESWL using the dual imaging method **improves the success rate and reduces the rate of complications.** This is likely due to the accurate continuous targeting of shock waves on the treated stone combined with continuous renal architecture inspection."

Extracted from "SWL with continuous targeting by ultrasound; are there benefits?" clinical publication[3]

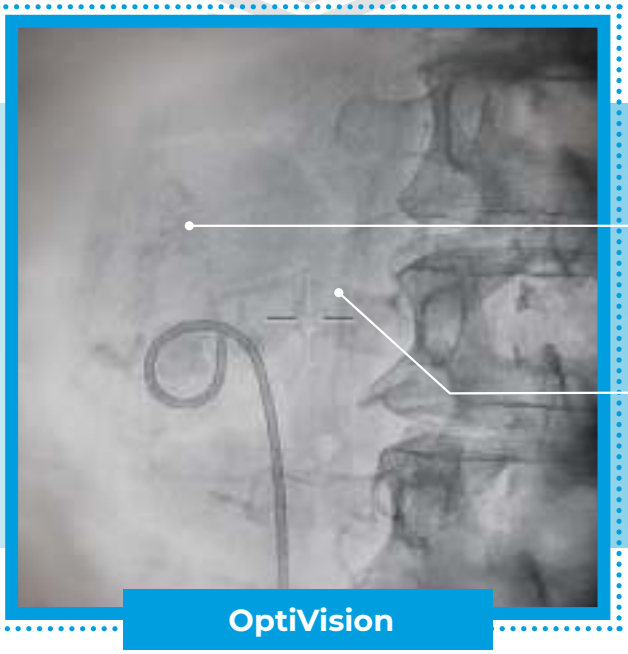
Now applicable to Last Image Hold feature in fluoroscopy

OptiVision:
The perfect image-processing solution for urology

- Delivers sharp stone imaging details, even in challenging clinical scenarios (such as in obese patients, presence of bowel gases etc)
- Enhances images using an intelligent algorithm, thereby neutralizing negative optical effects and eliminating cumbersome manual post-processing



Original snapshot



OptiVision

> Our findings demonstrated that using the specially designed imaging modality **OptiVision was significantly helpful** in identifying and localizing stones with high-quality images before SWL for effective stone disintegration during this procedure.

Extracted from "Importance of precise imaging for stone identification during shockwave lithotripsy: a critical evaluation of "OptiVision" as a post-processing radiography imaging modality" clinical publication[4]

Better confirmation on fragmentation status
OptiVision reveals a clearer, sharper outline

Bony structures are more evident
Greater clarity in spotting bony structures that might lay in the path of the shock waves

Note:
Images were taken through an image intensifier and enhanced by OptiVision.
OptiVision is available as an optional add-on to the Dornier UIMS, which is offered in combination with the Dornier Delta III series.

Smart & connected, for improved procedural performance

Delta III goes pro with Dornier UIMS: an intelligent urology software solution

SEAMLESS CONNECTIVITY

Integrate with hospital systems for easy data reporting, management of medical images & related data

SUPERIOR IMAGING

Maximize details and minimize noise with exceptional image clarity for precise stone localization and follow-up

ADVANCED CYBER SECURITY

Protect your data with the high security standard tailored to your needs

SWIFT REPORTING

Document, extract and customize patient and treatment data easily

Scan to learn more about **Dornier UIMS**

Ergonomic design for efficient workflow

Motorized C-arm

- Equipped with plug-and-play function and compatible with various hospital systems, thus reducing set-up time
- Delivers perfect alignment after every angular movement of the C-arm, minimizing alignment error

Flexible therapy head

- Offers 120+ degrees of access, and optimal isocentric angulation in both under- and over-table positioning for smooth alignment
- Allows easier targeting and treatment of stones in all locations, while patients lie comfortably in supine position


DELTA III PRO
Dornier Relax+ Endo

OptiMove

- Quick and precise table movements improve stone localization

Relax+ Endo table

- A versatile and radiolucent patient table made of resilient carbon fiber
- Specially engineered for ESWL and endourology
- Allows the adjustment of pediatric patients' positions during treatment

Unified hand control

- Operates the lithotripter, table, and X-ray C-arm movements, and releases shock waves with a touch of a button

Remote control or mobile system

Designed to suit your specific needs

Remote control version

- Can be operated remotely; decreases the exposure of ionizing radiation for users and other healthcare personnel

Mobile version

- Portable, can be moved around easily between hospitals and operating rooms; comes with plug-and-play capability
- The FPD's compact design allows flexibility in transport modality

Dornier MedTech

References

1 Data on file at Dornier MedTech

2 Tailly, G. G., & Tailly-Cusse, M. M. (2014). Optical coupling control: an important step toward better shockwave lithotripsy. Journal of endourology, 28(11), 1368–1373. https://doi.org/10.1089/end.2014.0338

3 Macchione, N., Elia, A., Gofrit, O., Pode, D., & Duvdevani, M. (2013). SWL with continuous targeting by ultrasound; are there benefits? European Urology Supplements, 3(12), 51. https://doi.org/10.1016/ S1569-9056(13)61727-3

4 Sarica, K., Ferhat, M., Ohara, R., & Parmar, S. (2021). Importance of precise imaging for stone identification during shockwave lithotripsy: a critical evaluation of "OptiVision" as a post-processing radiography imaging modality. Urolithiasis. https://doi.org/10.1007/s00240-021-01284-0

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