

The **Dornier Epos Ultra**® ... Treating **Plantar Fasciitis** With **Extracorporeal Shock Wave Therapy**



Dornier Epos Ultra

With over a decade of extensive research in the field of orthopedic shock wave applications, Dornier MedTech is pleased to introduce the Epos Ultra for the treatment of plantar fasciitis in the United States.

Extracorporeal shock wave lithotripsy (ESWL®) was invented by Dornier MedTech and approved by the FDA in the early 1980s for the treatment of kidney stones. Today, ESWL is the gold standard for urinary stone treatment.

A similar treatment, extracorporeal shock wave therapy (ESWT), has for many years been successfully used for a variety of orthopedic indications in many parts of the world. ESWT was approved by the FDA in 2000 for the treatment of plantar fasciitis.



ESWT Benefits

- Non-invasive, non-surgical – a safe and effective treatment option
- Reduces inflammation and stimulates a healing response in the injured tissue
- Relieves pain and provides a short recovery period, often with little or no side effects

Epos Ultra Benefits

- No sterile surgical setting required
- High number of shocks per minute (240)
- Offers both biofeedback and imaging options
- Optimal positioning via flexible therapy head
- No disposables – uses electromagnetic shock wave emitter (EMSE) power source vs. spark-gap technology
- Versatile power range – from low to high energy levels
- Quiet, light weight & easily transportable



WE'RE ALL ABOUT PEOPLE.



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Dornier Epos Ultra



Dornier Epos Ultra for the treatment of Plantar Fasciitis with extracorporeal shock wave



Technical Data

Main Module

Footprint (l x w):	37" x 24"
Height:	43"
Weight:	275 lbs.
Power Supply:	100 -125/200-240 V 1000 VA; +/-10% 50/60 Hz
Shock Source:	Dornier EMSE 0-80

Shock Wave Data

Principle:	Electromagnetic
Aperture:	5.5"
Aperture Angle:	82 degrees
Energy Flux Density	
ED (mJ/mm ²):	0.13 - 1.0
Effective Energy	
E(12 mm) (mJ):	3.8 - 27.3
Focal Pressure	
(MPa):	7.4 - 55.7
Focal Zone:	3.8 - 25mm
Penetration Depth:	0 - 80mm
Shocks/Minute	60 - 240

HOW IT WORKS

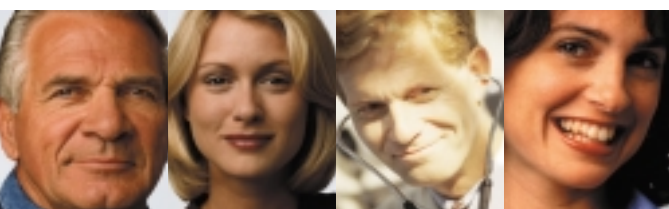
The Dornier Epos Ultra was designed specifically for orthopedic use. The system consists of three primary parts:

Shock Wave Therapy System - produces the actual shock waves (high-energy pressure pulses), which travel through the therapy head's water-filled cushion. The cushion is coupled with the patient's foot during treatment.

Articulated Arm - attached to the system's therapy head, the articulated arm is easily moved, so that the therapy head can be freely positioned and closely aligned to the area of the patient's foot being treated.

Ultrasound Imaging System - provides precise localization and excellent imaging quality, allowing the user to continuously observe and control therapy. The treatment area can be viewed from various angles, and a cross-hair is depicted in the image to indicate the exact therapy focus.

About Dornier MedTech ... Specializing in lithotripters, orthopedic shock wave devices, urotables, medical lasers - and more, Dornier MedTech has operating units and service partners throughout the world - and continues to maintain its commitment to the medical device industry by providing innovative therapeutic, diagnostic and service solutions for numerous medical fields.



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