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Manufacturer**



MS WESTFALIA GmbH
est. 1995

Polaris Lithotripter



**Made in
Germany**



Equipment manufactured by MS Westfalia GmbH:

Cleanrooms • X-Ray equipment • ENT equipment • Anaesthesia and ICU equipment • Medical lamps
Functional diagnostics • Ophthalmology equipment • Microscopes and colposcopes • **Lithotripters**
Cosmetology and SPA equipment • Physiotherapy equipment • Home photo epilators

Polaris

Mobile lithotripter

- **A revolutionary concept: effective and safe lithotripter and urologic workstation in one**

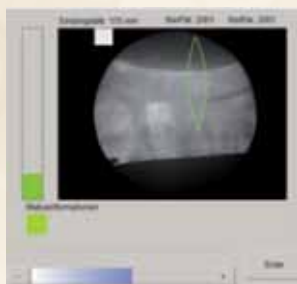
In comparison to other lithotripters, Polaris is a really mobile system that enables to turn lithotripsy station into urologic workstation in one minute, and to use ultrasound scanner, endo-urology table and C-arm X-ray independently of the lithotripter.

- **Compatibility with a wide range of your existing imaging devices and/or tables**

Due to almost unique technology Polaris can easily get and process information from most existing ultrasound and X-ray equipment. Unlike most other stations, Polaris can work with your already existing diagnostic devices, thus eliminating the need to purchase additional equipment. At the same time it is recommended to combine Polaris with Ares MR C-arm, manufactured by MS Westfalia GmbH.

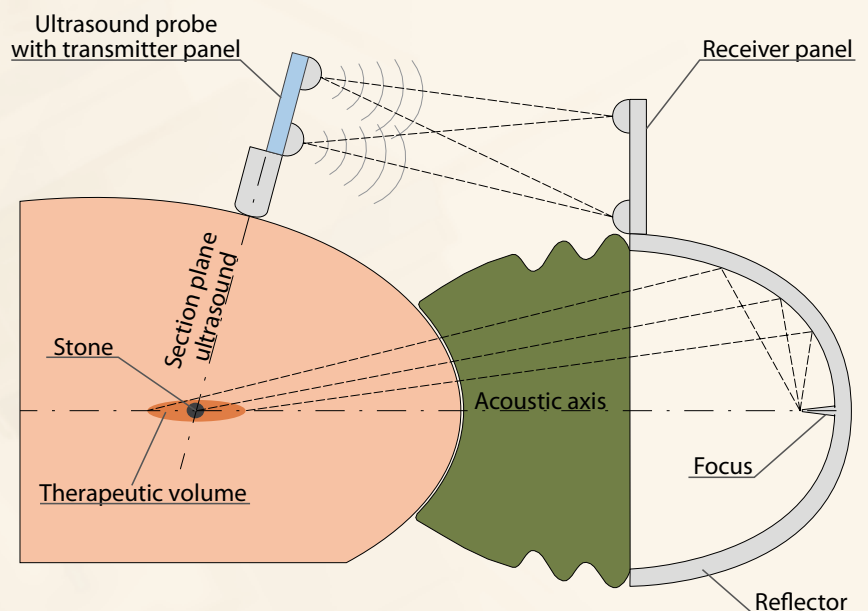
- **User-friendly interface**

Therapeutic focus is shown on the screen. The device is easily operated with the help of touch screen. It is possible to record the treatment at any moment using images from ultrasound equipment or C-arm. USB-slot helps to transfer images to PC and hospital network with no effort.



- **3-D focal zone visualization**

Most of other stations currently available on the market utilize simple 2-D navigation. With Polaris imaging system, the doctor sees where the stone is in the therapeutic volume of the shockwave (3-D navigation). This real time visualization improves clinical outcomes and reduces the chance of injury to the patient.



- **Xtra-Vision wireless navigation system**

Xtra-Vision wireless navigation system allows directing shockwave focus to the stone precisely and quickly.

- **Maximal flexibility of the therapy head**

The shockwave applicator can be positioned in almost any position due to a mobile rack, thus enabling the shockwave to enter the body in a comfortable position for the patient and to optimize treatment depending on the anatomy of the patient. Large applicator area reduces shockwave energy concentration outside the focal zone, thus minimizing pain sense and tissue damage risk.



above the table



horizontal position



from under the table

- **Large focal distance**

The large focal distance (up to 220 mm) allows to work effectively even with patients who are overweight.

- **“Wide focus – low pressure” concept**

Stone fragmentation is based on “Wide focus – low pressure” principle. Polaris has one of the largest therapeutic focuses (16x125 mm) among all lithotripters that are currently manufactured. It provides continuous impact on the stone, even a big one, during the whole treatment session. This concept also provides maximum safety and lithotripsy efficiency.

- **Clinical effectiveness**

High effectiveness of Polaris lithotripter is proved by European research studies (Feldkirch regional hospital, Austria and Leverkusen hospital, Germany). Lithotripsy treatment sessions were conducted on the group of 118 patients. 75.4% of the patients showed stone disintegration during the day of treatment. 80.3% of the patients showed stone disintegration in 27 days after one lithotripsy treatment session. No side effects or adverse events were observed.

- **Compact size**

When not in use, Polaris is easily moved to the side, so the operating theatre is available to perform other surgical procedures.

Dimensions:

- Length: 163 cm.
- Width: 81 cm.
- Height in parking position: 90 cm.
- Weight: 250 kg.



parking position

MS Westfalia GmbH. About the company

MS Westfalia GmbH (established in 1995, Troisdorf, Germany) is an ISO-certified (ISO-9001, ISO-13485) medical equipment manufacturer, producing a wide range of equipment, including modular cleanrooms, ENT units, X-ray machines, ophthalmology equipment, etc.

MS Westfalia GmbH provides a full range of services:

- Consulting and planning.
- Project design and development.
- Service engineering of the equipment supplied.
- Logistics service.
- Flexible payment terms.



MS Westfalia GmbH headquarters in Troisdorf, Germany

Equipment manufactured by MS Westfalia GmbH



Cleanrooms



X-Ray equipment



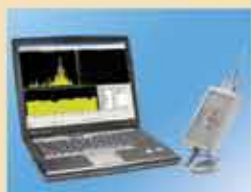
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Lithotripters



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