

Flexible

Mobile

Upgradable

### Option Plus

NEW

#### Patient database software includes:

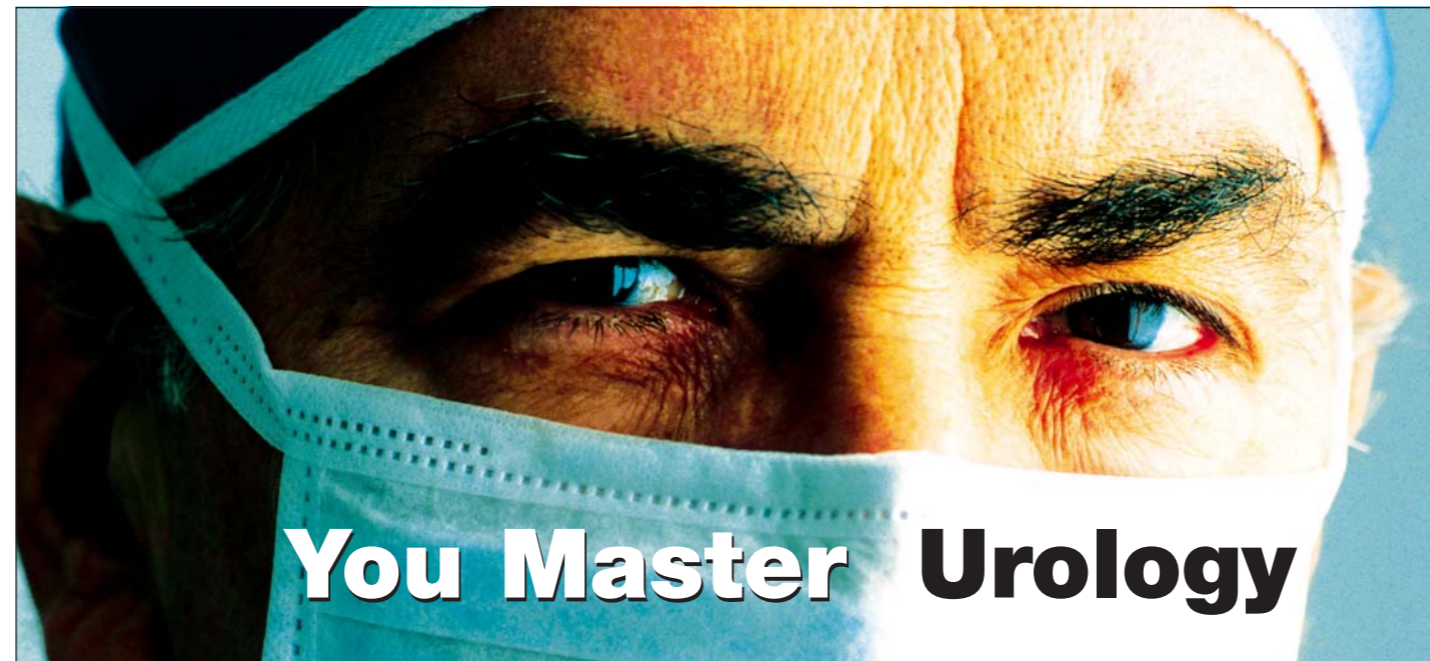
- Consultation (monitoring sheet)
- Administration (follow-up report)
- Consultant urologist (analysis of results)
- Handle correspondence reports and clinical image printing



#### dF2 function : always on target

From the control station screen you can increase efficacy thanks to:

- Clear on-screen representation of focal volume F2 for precise targeting of the stone
- Real-time dynamic representation of the focal volume (F2) for easy repositioning without treatment interruption
- Real-time dynamic dF2 value to control pinpoint positioning during treatment



## You Master Urology

# We Master Therapeutic Ultrasound\*

EDAP TMS is the leader in therapeutic ultrasound. Having been present in the market for more than 25 years, EDAP TMS (NASDAQ: EDAP) develops minimally-invasive therapeutic solutions for urology.

By consistently investing in research and development and by forming partnerships with internationally-renowned medical research institutions, EDAP TMS has been able to patent innovative technologies.

EDAP TMS is present in many countries via an extensive network of Subsidiaries and Distribution Partners. The Company focuses on producing a high standard of service for health care practitioners: mobile equipment, training centers and a far-reaching maintenance network.

With Ablatherm® HIFU, EDAP TMS is the world leader in High Intensity Focused Ultrasound (HIFU) for localized prostate cancer treatment.

The company is currently adapting this technology so that it is potentially able to treat other types of tumors.

As a pioneer and key player in the field of extracorporeal lithotripsy, EDAP TMS introduced the first modular lithotripter and owns the patent for Electroconductive® technology, utilized in its Sonolith® range of ESWL systems.

EDAP TMS focuses every day on delivering technologies that guarantee positive outcomes which are replicable, with low side effects and a preserved quality of life.

[www.edap-tms.com](http://www.edap-tms.com)



Bringing New Horizons to Therapy

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ISO 900: 2000 • ISO 13485: 2003

MODULAR  
ESWL

# Sonolith® Praktis



[Sonolith® Praktis] / Lithotripter  
Modular, mobile, compact, flexible.  
Adjustable, upgradable, efficient.

## Modular, compact and efficient



Bringing New Horizons to Therapy

TMS 994 80447 RCS VON - TMS 999 786 A - April 2008 - All specifications subject to change without notice. Pictures not binding.

**Modular**

**Compact**

**Efficient**

**Versatile**

**Mobile**

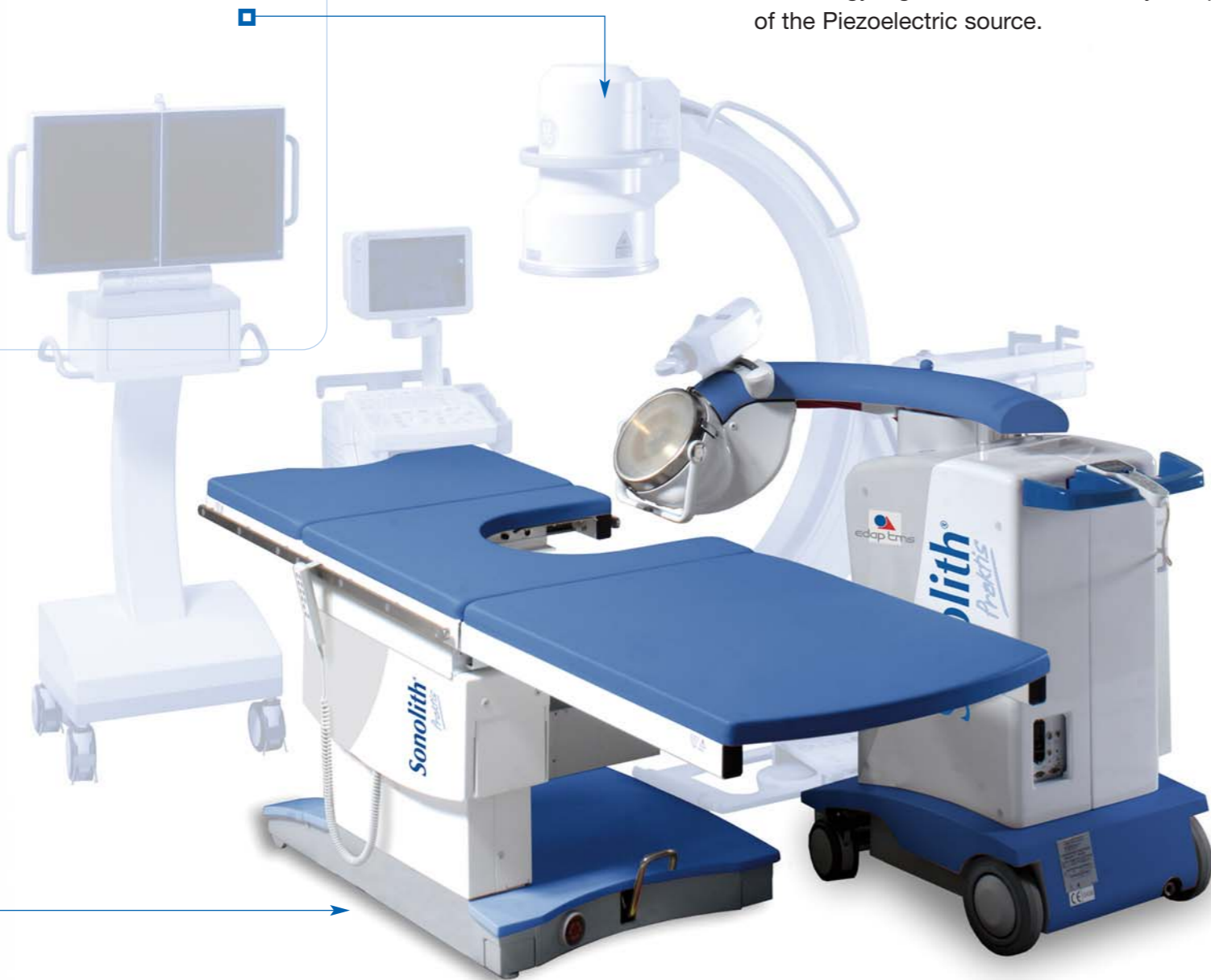
**Adjustable**

**Efficient**

**Imaging systems**

The unique Sonolith® Praktis design concept works with most X-ray and ultrasound imaging systems in the market in order to :

- ▶ Maximize cost-effectiveness
- ▶ Enhance modularity



**Tables**

- Easy positioning for the patient
- Improved patient comfort
- Precise and safe movements
- Clinical versatility (ESWL and endourology)

**Electroconductive® technology : 3 benefits**

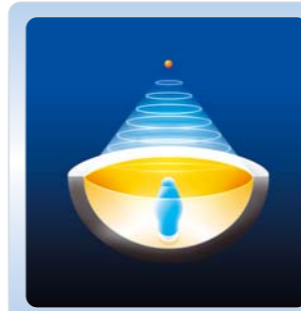
**Electroconductive®** technology, the latest innovation in extracorporeal lithotripsy was developed and patented by EDAP TMS in partnership with the French Medical Research Institute (INSERM).

This technology combines the efficacy and fragmentation power of the original Electrohydraulic technology together with the accuracy and precision of the Piezoelectric source.

**1 Power and accuracy**

Thanks to the development of an exclusive and patented electrode encapsulated in a highly conductive solution (Electrolyte®), the shock-wave is generated at the same geometric point and at the same intensity from one firing to the next. The shock waves are then focused by the ellipsoidal reflector, specifically designed to harness benefits afforded by the **Electroconductive®** technology benefits. The full power of the shock wave is transferred directly to the focal point F2 to guarantee superior fragmentation power and quality.

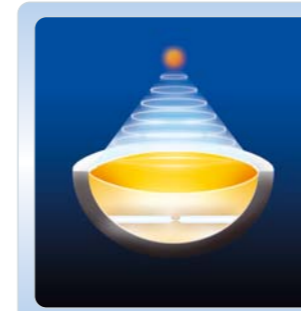
**Electroconductive® Technology vs Electrohydraulic Technology**



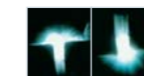
Sonolith® Electroconductive® source



- The successive electrical discharges are uniform
- All shock waves are generated from the same geometric point (F1)
- No pressure loss due to micro bubbles at F1
- Concentration of full power at F2



Electrohydraulic source



- The successive electrical discharges are irregular
- The shock wave is randomly generated around F1
- Partial pressure diffusion (30% deflection) at F2

**Fine and complete elimination of all stones**

**2 Reliable and safe**

**Automatic Pressure Regulator** **EXCLUSIVE**

The exclusive Automatic Pressure Regulator incorporates an in-built hydrophone within the treatment head which measures and adjusts the required pressure in real time:

- ▶ Consistent efficacy and fragmentation from one firing to the next
- ▶ Safe therapeutic choice

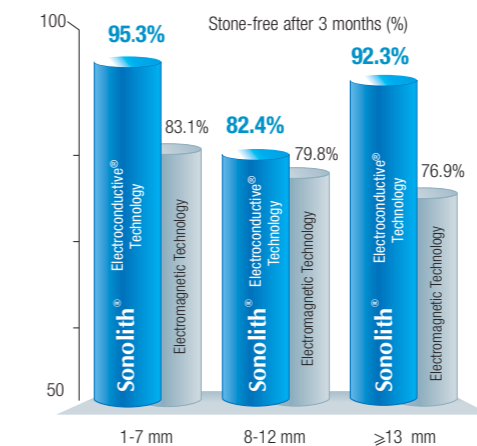
**3 Universal efficacy on all stone types and sizes**

No stone is the same. The physical features of the **Electroconductive®** technology offer a great flexibility in the choice of therapeutic protocol:

- ▶ Extensive settings range
- ▶ Variable energy density
- ▶ Variable focal volume

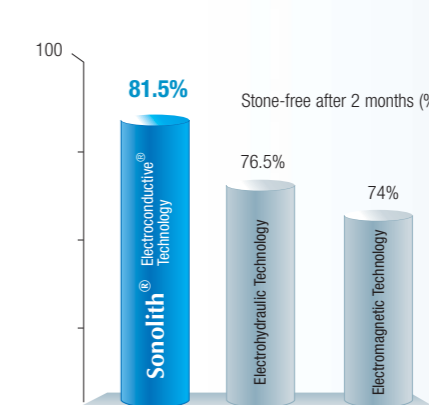
**... for optimized clinical performance**

**Superior efficacy whatever the stone size**

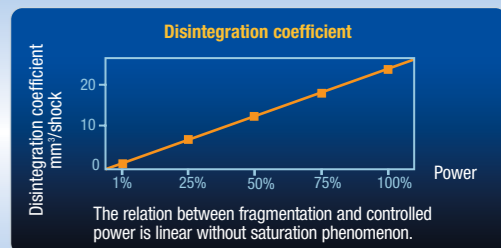


Pemberton RJ, Tolley DA. Comparison of a New-Generation Electroconductive Spark Lithotripter and the Dornier Compact Delta for Ureteral Calculi in a Quaternary Referral Center. Journal of Endourology, vol 20 (10), October 2006 (732-736).

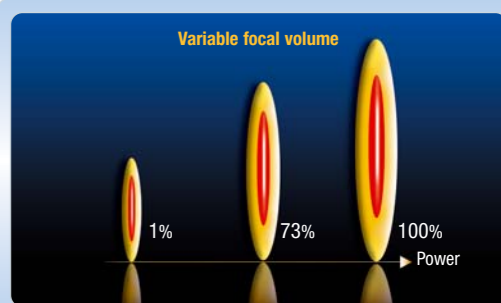
**Highest stone-free rate at 60 days: 81.5%**



Saltutti C, Di Benedetto A, et al. Extracorporeal Lithotripsy : is there a new gold standard ? In vivo multifunctional comparison between 6 mobile devices. Congresso Nazionale Auro, IT, Roma, Italy, 2003.



The relation between fragmentation and controlled power is linear without saturation phenomenon.



**Low re-treatment rate: 14%**

**Electroconductive® Technology: 14%**  
**Electromagnetic Technology: 20-30%**  
**Electrohydraulic Technology : 45-65%**

Nomikos MS, Sowter SJ, Tolley DA. Outcomes using a fourth-generation lithotripter: a new benchmark for comparison ? BJU International. 2007. Rassweiler J, Taily G, Chaussy C. Progress in lithotripter technology. EAU Update Series. 2005;3:17-36.