



## LITHOSKOP

Urology of the future – available today

We see a way to eliminate time-consuming patient repositioning  
with a shockwave head that rotates around the patient

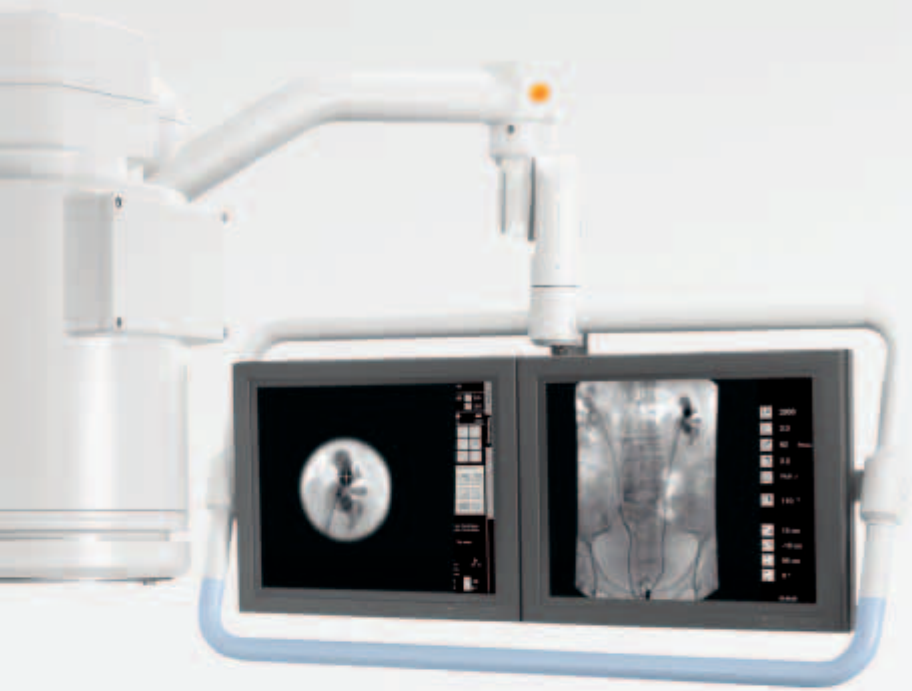


# Trend



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setting

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## Trendsetting

LITHOSKOP®, the new multifunctional lithotripter from Siemens can do much more than just lithotripsy. It also covers a wide range of further urological applications. Patient comfort and workflow efficiency reach new heights.

Thoughtfully designed, LITHOSKOP boasts an ergonomic table, unique flexible shockwave head positioning and a number of other great advantages that eliminate time-consuming patient repositioning.

Additionally, LITHOSKOP offers a fully digital imaging system and optimizes your workflow with intuitive operation.

**Urology of the future – available today.**



# setting

# Efficient

New developments bring new possibilities. For example, the unique combination of innovative shockwave technology with a shockwave head that rotates around the patient and adapts to his position. Efficiency reaches new heights.

## Shockwave technology

The new Pulso™ technology is at the heart of LITHOSKOP. It offers a long lifetime, an extremely high degree of efficiency and low retreatment rates.

With a penetration depth of 16 cm (6.3 inches) and an increased shockwave focus, Pulso enables effective treatment even for larger patients. Side effects are reduced to a minimum.

## Inline X-ray and Inline ultrasound imaging

Excellent Inline X-ray and Inline ultrasound imaging simplifies accurate stone localization. Choose the preferred imaging modality or use both during a treatment session. You will always have brilliant image quality to support your work efficiency.

LITHOSKOP interfaces with the Siemens SONOLINE G50 ultrasound system offering color Doppler and a biplane endoprobe.



*Digital  
ultrasound system  
SONOLINE G50.*



*Precise Inline ultrasound for  
efficient stone localization.*



*Highly flexible shockwave head for over- and undertable positioning.*

### **One-time patient positioning**

LITHOSKOP's most exciting innovation is the unique and flexible positioning of the shockwave head that allows for treatments without patient repositioning. Mounted on an isocentric C-arm, the shockwave head can be moved from an under-left or under-right position to an overtable position by pressing a single button. Therefore you can treat right and left kidney and the ureter with your patient always supine. Repositioning is no longer necessary – not even for auxiliary procedures. Anesthesia also remains at one end of the table.

### **Cost-efficiency**

As healthcare costs and clinical demands increase, it is important now more than ever to watch the bottom line. This is why it is essential to treat patients in a single session. With LITHOSKOP and its new shockwave system Pulso you are not only providing better patient care – but you are doing so with a higher efficiency.

# Efficient

## Multifunctional

To satisfy the increasing clinical demands in urology, Siemens worked closely with a team of highly respected physicians and hospitals to develop a superior system for virtually all urological applications – LITHOSKOP.

LITHOSKOP's multifunctionality offers optimized utilization. With this one system, you can handle virtually all demands of your urological practice without patient repositioning.

### Lithotripsy

Workflow optimized stone disintegration of almost every type of stone is facilitated with the Pulso shockwave head offering high energy and a wide shockwave focus. 38 power levels allow for efficient and individualized treatment of almost every patient.

A special pediatric kit\* for the treatment of smaller patients is also available.



# Multifunctional

\* Pediatric application not approved in the United States.



### **Endourology**

The adjustable isocentric table tilt of  $\pm 15^\circ$  allows for comfortable endourological interventions as well as all necessary auxiliary procedures. LITHOSKOP's exclusive ergonomic table saves you from patient repositioning even when changing from endourology to lithotripsy.

Endourological video sequences can be viewed directly on the monitors. The integrated endoscopic shelf offers enough space for all your equipment.

# functional



### **Percutaneous interventions and minimally-invasive surgery**

Access from all sides of the ergonomic table makes LITHOSKOP ideally suited for all percutaneous and surgical interventions. The one-time patient positioning keeps anesthesia always at the same end of the table. This makes your procedures more efficient.



### **Orthopedics and Peyronie's disease\***

The flexible shockwave head positioning and dedicated orthopedic accessories allow for efficient pain therapy, various orthopedic applications as well as for the treatment of Peyronie's disease.

*\* Applications for orthopedics and Peyronie's disease not approved in the United States.*



# Brilliant



## Brilliant

Crisp, clear and brilliant images are crucial for effective patient care.

Therefore Siemens has engineered LITHOSKOP with a high performance X-ray generator, a high quality image intensifier, and a high resolution true 1K<sup>2</sup> digital imaging chain. All components are based on innovative Siemens technology renowned for quality and reliability.

High resolution, high contrast flatscreen monitors display all relevant details – whether X-ray, ultrasound or endoscopic images.

The freely movable monitor arm enables the images to always remain within your field of view, no matter which side of the table you are working on.

## Complete

At first sight you recognize that LITHOSKOP represents a new generation of technology. No other lithotripter combines design and technology so perfectly while offering such a high performance.

The dual C-arm for X-ray imaging and shockwave head positioning permits multi-functional use and smooth workflow in a compact space. According to your application, both C-arms can either be moved simultaneously or independently of each other.

LITHOSKOP's innovative design offers patient access from all sides. This yields maximum comfort for both – the physician and the OR staff.



# Complete

Your patient experiences a high level of comfort, too: the ergonomic table with a mounting height of approximately 70 cm (27 inches) offers easy table access to your patient. And with a maximum patient weight of 203 kg (450 lbs), LITHOSKOP is suitable for almost all patients.

The centralized, user-friendly manual control of LITHOSKOP permits easy adjustment of the table and of all system functions.

The computer-aided 3D positioning tool AutoPos™ brings your patient's stone into focus. After you have localized the stone on the monitor, AutoPos automatically moves the table so that the stone is in focus and you can proceed with a targeted therapy.



# Digital

Questioning the conventional leads to innovative solutions. LITHOSKOP introduces a new age of digital imaging in lithotripsy and redefines workflow optimization.



With DICOM Worklist, you can download your patients' data directly from the hospital's network. Newly generated images can be viewed immediately, post-processed and stored. With DICOM Send, images can be sent to the hospital's archive. Additional information can be forwarded to the accounting department via MPPS. Of course, you can also send all images to a printer or burn to a CD and give them to your patient for documentation.

The perfect workflow solution offers a further benefit for lithotripsy – LithoReport™. This special lithotripsy software tool allows for detailed documentation of the whole therapeutic process. All relevant information like patient and therapy data are saved with a single click and can be called up again any time for statistical evaluation and studies.

# Digital




## Innovative

True innovations not only push technology to the limits, but attempt to exceed them.

The new LITHOSKOP is an innovative milestone for the future of urology. Its multifunctionality, efficiency, innovative design and outstanding comfort for patient and physician, open a new chapter in the Siemens success story of lithotripsy.

# Innovat

 **Proven Outcomes.** This is what Siemens is helping to deliver right now. Outcomes that result from truly efficient workflow. Outcomes that improve your bottom line. Outcomes that lead to a level of care that feels exceptional to the patient and the care provider. Proof positive of the value of integrating medical technology, IT, management consulting and services. In a way that only Siemens can.

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In other words,  
LITHOSKOP brings the  
future of urology to  
your hospital.



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