MODULITH® SLX-F2 connect
THE UROLOGICAL WORKSTATION
»Our passion is to communicate with one another. Our approach is to combine sophisticated design with functionality.«

Dr. Gerold Heine, CEO STORZ MEDICAL AG
Tradition and Success in Urology
KARL STORZ and STORZ MEDICAL

Back in 1945, when Dr Karl Storz laid the foundations for the KARL STORZ Group, no-one could have imagined what a great influence the products from this innovation centre would have: not only on endoscopy, but also on shock wave therapy. Our products have proved themselves world-wide in urology, orthopaedics, sports medicine, rehabilitation, gastroenterology, cardiology and dermatology.

In close co-operation with experienced physicians and leading institutions in the field of urology, we have developed a multifunctional urological workstation with an integrated shock wave therapy unit that sets new standards.
Over the last few years, there have been significant developments in the field of urological diagnosis and therapy towards improved image quality, more flexible instruments and minimized invasiveness. Today, urologists have a wide range of different diagnostic and therapeutic procedures available that offer patients different treatment options. Our engineers have implemented the concept of the MODULITH® SLX-F2 »connect« as a customized urological workstation that meets the demands of modern urology, offering a previously unknown wealth of functionality.

**Urological Diagnosis and Therapy**

- KUB
- Urography (IVP, IVU)
- Retrograde urography
- Ureterorenoscopy (URS)
- Percutaneous nephrolithotomy (PCNL)
- Transurethral resections (TURP, TURB)
- Cystoscopy
- Placing and removing stents
- Extracorporeal shock wave lithotripsy (SWL)
Urological Workstation ... and Lithotripter
The Solution for Demanding Requirements

MODULITH® SLX-F2 »connect« from STORZ MEDICAL

Optimum ergonomics and the use of cutting edge technology ensure ideal working conditions. Physicians benefit from this just as much as their patients.

The unique rotation facility of the stationary X-ray system creates sufficient working space above the patient, an unlimited field of view and free access to the table.

This means that the MODULITH® SLX-F2 »connect« with its integrated lithotripter is the only system on the market that meets all the demands of a modern, urological X-ray workstation.

The MODULITH® SLX-F2 »connect« provides users with all the instruments they need to carry out any type of intervention in modern kidney stone therapy safely and conveniently.

- A first-class lithotripter and urological workstation
- SWL and endourology
- Optimum ergonomics
- Unique rotation of the stationary X-ray system
- State-of-the-art digital X-ray technology
- Brilliant X-ray images
- Electromagnetic shock wave source
- Dual focus sizes
- High stone fragmentation performance
- Integration of ultrasound and endoscopy

We chose the MODULITH® SLX-F2 »connect« because it allows us to carry out as many urological interventions as possible using just one system.

Prof Dr Joachim Steffens
Senior consultant at the Clinic for Urology and Paediatric Urology at Eschweiler Hospital, Germany
For use as a urological X-ray workstation, the X-ray detector is brought into the under-table position using the motor. The small distance between the image receptor and the patient allows an excellent display of the entire urogenital system on a single X-ray image. At the same time, the high position of the X-ray tube gives you a free view of monitors at all times. Unobstructed access to the patient is guaranteed from all sides at all times.

The table can be adjusted to an individual working height, and, thanks to its large table weight capacity, it is possible to treat obese patients safely too.

The flexible device shelf offers a lot of space to deposit light sources and other endoscopic equipment. Thanks to its mobility, all your equipment is in easy reach.

- PCNL on both sides without repositioning of the patient
- Fixed position for anaesthesia
- Flexible monitor support arm
- Flexible device shelf for endoscopy equipment
- X-ray detector close to the patient
- Display of the entire urogenital system
- Multifunctional footswitch
- Maximum table weight of 225 kg
- Trendelenburg tilt
The Urological X-Ray Workstation
State-of-the art technology and functional elegance

The latest X-ray technology such as the dynamic 43 x 43 cm flat-panel detector guarantees the highest image quality with the lowest radiation exposure. All the imaging methods that are additionally available can be displayed in parallel with this. The multifunctional footswitch allows you to quickly switch images, to store images easily and to manoeuvre the table in all directions. This keeps your hands free at all times and makes it possible to work safely.

In addition, it is possible to control integrated KARL STORZ endoscopy equipment such as light sources or rinsing/irrigation pumps, for example, at the central StorM-Touch operating monitor. You can either do this directly in the treatment room or from a protected remote workstation.

The sophisticated design with its elegant forms and smooth surfaces makes cleaning and disinfecting much easier. That saves valuable time and increases patient safety.

- Excellent image quality
- 43 x 43 cm X-ray flat-panel detector
- Low radiation exposure
- Collimator for radiation-free positioning of the patient
- Representation of X-ray, ultrasound and HD endoscopy images
- Video routing and image storage via footswitch
- Touch screen operation
- High standards of hygiene and easy cleaning
- Comprehensive range of urological accessories
Personalised Stone Management (PSM)

Individual solutions for individual problems

What is the best treatment for the patient? We leave this important decision to physicians; however, we give them the optimum tool for each case.

The multifunctional MODULITH® SLX-F2 »connect« provides everything that you need to best treat all types of stone disorders using non-invasive or minimally invasive methods. The ability to have rapid access to ergonomic components offers the necessary flexibility and guarantees safe working.

Regardless of whether you are a physician or a patient: The focus is on the person – this is our concept of personalised stone management.

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**Individual Stone Therapy**

- Extracorporeal Shock Wave Lithotripsy (SWL)
- Ureterorenoscopy (URS)
- Percutaneous Nephrolithotomy (PCNL)
The Lithotripter

SWL – Non-invasive, effective therapy

Medicine is a science that is in a continuous progress. In the case of shock wave treatment, discussions focus in particular on choosing optimum treatment parameters such as the focal pressure or the focal size.

Due to its special geometry and high energy dynamics, the STORZ MEDICAL electromagnetic shock wave source makes a highly effective and virtually pain-free treatment possible.

The two different focal sizes also allow physicians to optimize treatment parameters to meet their own personal requirements.

The MODULITH® SLX-F2 »connect« is the result of more than 25 years of experience in developing lithotripters and the millions of stones that have been successfully disintegrated in the human body on a non-invasive basis!

- High stone fragmentation performance
- Minimal side effects
- Low degree of pain
- No anaesthesia needed
- High degree of patient satisfaction
- Perfect for gentle treatment of children

We use the MODULITH® SLX-F2 to treat many small children safely and gently.

Susanne S. Osther, MD
Chief uroradiologist
and head of the SWL unit
Fredericia Hospital,
Denmark
The Lithotripter
Intuitive, powerful and reliable

Automatic LithoPos® stone positioning enables rapid and uncomplicated X-ray localisation. You simply tap the located stone in the image, and the table manoeuvres it to the shock wave focus. This saves a lot of time and above all reduces radiation exposure for the patient.

During treatment, users have an unrestricted view of the stone due to consistent in-line localisation using X-ray or ultrasound. This means that they immediately see whether there are sensitive areas such as the heart and lungs or obstacles such as ribs in the path of the shock wave.

The patient foil makes it possible to position patients of any age quickly and conveniently. When treating small children in particular, the tried and tested positioning concept has proved to be an invaluable benefit.

- Electromagnetic shock wave source
- Penetration depth up to 180 mm (centre of focus)
- Dual focus sizes
- Large aperture for low degree of pain
- In-line localisation using X-ray and ultrasound
- Automatic LithoPos® stone positioning
- Easy, central touch screen operation

Palle J. S. Osther, MD, PhD
Past President, EAU Section of Urolithiasis (EULIS)
Fredericia Hospital, Denmark

“The MODULITH® SLX-F2 is very easy to operate and provides excellent results.”
Operation and Documentation

StorM-Touch and StorM-Base

The central StorM-Touch operating platform provides operators with complete control at all times. Regardless of whether you are controlling the lithotripter, the X-ray system or the KARL STORZ endoscopy equipment, you carry out all these functions on a touch screen either from a workstation protected by lead glass or directly in the treatment room. The optional, automated LithoPos® stone positioning system is integrated in StorM-Touch.

The StorM-Base patient database integrates seamlessly with the StorM-Touch system and provides an optimum interface for providing and importing all your patient and treatment data. The intuitive modern design makes it easier to carry out your everyday clinical documentation tasks and eliminates the need for laborious manual creation of patient reports.

StorM-Touch
- Central operating platform
- Modern, user-friendly design
- Intuitive operation via a touch screen
- Easy control of all the system components

StorM-Base
- Comprehensive patient database
- Wide range of image processing options
- Quick and easy creation of reports
- Statistical data evaluation

LithoPos®: Fast finger tip stone positioning

Easy treatment documentation
Integration and Connectivity

Results, treatment and documentation
Today, the combination of modern medical and information technologies is of enormous importance in hospitals. This is the only way to ensure efficient and economical treatments of patients.

Due to the most important DICOM and HL7 interface standards, the MODULITH® SLX-F2 «connect» integrates perfectly with the existing internal hospital network.

This optimises clinical organisation and in this way makes it possible to save time and money.

As an option, Multi-Client makes it possible for different urologists to access StorM-Base via its own separate network. This means that several physicians are able to access any relevant treatment data conveniently from their own office.

- DICOM and HL7 interface
- Perfect integration in the hospital network
- Rapid data transfer
- Quick and easy treatment planning
- Optimum organisation of resources
- Saves time and money
Cost-Effectiveness

Time and space

We know the major demands that are made of physicians and nursing staff in hospitals every day: fast and accurate diagnoses, short and successful treatment as well as comprehensive medical documentation. This guarantees a high level of patient satisfaction and cost-effective work in the interests of the hospital.

Since the MODULITH® SLX-F2 «connect» can be used on a multifunctional basis, it is possible to achieve complete equipment utilisation at any time. That means higher numbers of patients and shorter waiting times. Depending on the intervention, the system can be used as a lithotripter or an urological workstation immediately. The small space requirement means that even more potential savings are possible, since you can use smaller existing rooms.

In this connection, the quality of STORZ MEDICAL guarantees an optimum workflow, patient safety and extremely high reliability of the overall system.

- A lithotripter and a urological workstation in one system
- Optimum workflow
- Rapid access to ergonomically arranged components
- Small space requirement
- Complete equipment utilisation at all times
- High patient numbers
- Short waiting times
- »Swiss Quality«

Flexible treatment table for lithotomy positioning ...

... or reclining positioning of the patient
Partnership and Service
Support right from the start

Modern technology is only as good as the people who know how to use it. For this reason, we support our customers right from the first minute, starting with wide-ranging consultation with regard to preparing premises and planning installation locations. If required, we also support you in determining the necessary radiation protection measures.

After installation has been completed, we offer our medical partners comprehensive training on-site. In this connection, our training concepts are mainly geared towards the successful interplay of doctors, equipment and patients.

Our extensive global network of partners allows us to support our customers quickly at all times. This means that we can minimize possible downtime of our equipment and get regular hospital operations back up and running as quickly as possible.

- Comprehensive consultation and installation planning
- Radiation protection calculations
- Comprehensive application training courses
- Global service network
- Minimized downtimes
- Long-term supply of spare parts
- Decades of partnerships and care

Senior consultant
Prof Dr H.-P. Schmid
Urology Clinic
St. Gallen Cantonal Hospital
Switzerland

“We can always rely on the fast, professional support of the STORZ MEDICAL service team.”
Quality and Values
The standard on ourselves

STORZ MEDICAL lithotripters are designed for a long duration of life; this means that we only use the highest-quality materials and components. High-quality stainless steel and aluminium are indestructible materials which provide a light and elegant base frame that is extremely stable. Precise guides and gearing on all the moving axes of the system ensure exact positioning and a long service life of the individual system components.

The cutting-edge, integrated safety technology and the unmistakable design of the MODULITH® SLX-F2 »connect« rightly makes a positive and reliable impression on staff and patients alike.

Technology to serve people – Even after more than 25 years of experience in developing and designing shock wave systems, this is still our most important principle!

- High-quality materials and components
- Elegant design
- Unmistakable styling
- Cutting-edge safety technology
- Technology to serve people